

BUILDING OPERATING MANAGEMENT'S
NFMT[®]
National Facilities Management & Technology Baltimore

2020
DIRECTORY

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ProFM® Delivers the Training You Need.

As a facility professional, you are facing higher expectations and more complex demands every day. Ensure you're prepared to take on any challenge with confidence. Update and expand your FM knowledge and skills to include the most current technologies, trends, ISO standards, and best practices. Get started today with the ProFM Credential Program.

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20 Years in the Making...

Twenty years ago, NFMT set out to become the top destination for facilities managers to gather information about new technologies and trends. Two decades later, that is still our goal.

At the very first NFMT, the conference sessions included cutting-edge technology of the time — mobile devices like Palm Pilots and computerized maintenance systems. This year, technology is woven through almost every session on the agenda.



But the more that changes, the more that stays the same. For 20 years we have been able to offer a high-quality conference and expo experience for facilities managers without a registration fee. This is only possible through the support of the vendors in our robust expo hall. Thank you to each exhibitor featuring products and solutions in the expo hall. Over the next three days, we encourage every attendee to take time to go through the hall, looking for new partners to help achieve your goals.

We can't celebrate without a party and when your 20th anniversary also coincides with St. Patrick's Day, you're in for some serious fun. Join us Tuesday night as we transform NFMT to the Emerald Isle. Join your fellow NFMT participants for a pint and bite to eat as we close out the first day. Wednesday night we take the party outside of the Convention Center. If you haven't bought your ticket yet, check out the registration desks. Plus, we will be adding in fun surprises throughout the week.

On behalf of all the staff of NFMT, thank you for your support of NFMT over the last 20 years. We are excited to continue to grow and change with the facilities industry over the next 20 years.

Sincerely,

Amy Brown
 Director of Events and Education
 NFMT

Show Highlights

CELEBRATE 20 YEARS OF NFMT

Networking Party

Tuesday 4:00 – 5:00 pm

PRATT STREET LOBBY

Celebrate NFMT and St. Patrick's Day as we finish up our first day at NFMT. Join us as we transport the Pratt Street Lobby to the heart of Dublin. Start your celebration with your fellow NFMT community and enjoy complimentary food, beer and wine. Erin go bragh!



20th Anniversary Party \$

Wednesday 7:00 – 9:00 pm

BOND STREET SOCIAL BAR AND RESTAURANT

We continue the celebration of 20 years of NFMT at Bond Street Social in Fells Point. Fun, drink and fun will be had by all.

\$ Fee Applies

NFMT Booth

Thursday 11:30 am

BOOTH #1203

Stop by the NFMT booth on Thursday for sweet treats as we close out our 20th event.

NEW AT NFMT 2020

Lifestyle pavilion

Booth #1227

Stop by our lifestyle pavilion to find ways to de-stress and add balance to your life.

Tuesday 12:00 - 4:00 pm

Visit with Therapy Dogs from Pets on Wheels

Wednesday 11:30 am - 3:30 pm

Adult Coloring

Thursday 11:30 am - 2:00 pm

Chair Massages

Social Hub

Booth #1500 and #2269

Stop by the social hub to post on your social media accounts about your experience at NFMT and charge up your phone.

#NFMT20

Mobile App

New in 2020 - download the NFMT mobile app to keep up to date on all the fun happening in Baltimore plus participate in-session polling and evaluations through the app.



50.9

Average age of
FM Practitioners



50%

Percentage of FM professionals
retiring in the next 5-15 years



500K

Global FM job openings
over the next 5 years

Be a part of the solution

As a leading FM employer and global leader in diversity, Sodexo is committed to driving the development of diverse talent in FM.

By reaching out to students early in their career planning process, we're educating the next generation on the growing demand for FM talent. By supporting new professionals with development opportunities, we're shaping the leaders of tomorrow. And by challenging today's leaders to engage and mentor young professionals, we're building a legacy to be proud of.

Sodexo is pleased to sponsor the Women in FM Roundtable and Cocktail Reception at NFMT 2020 on Wednesday, March 18 from 3:45 - 6:00 p.m.

Visit us in Booth 1951 at the Expo.

Thank you to our Sponsors!

Gold Sponsors:



Water Station Sponsor
Booth #2036



QUALITY OF LIFE SERVICES

Women in Facilities Management Panel
and Reception Sponsor
Booth #1951



\$1,000 Cash Drawing Co-Sponsor
Booth #2328



AV Sponsor
Clean Buildings Expo – Booth # 101



Smart Buildings Track Sponsor
Booth #2029

Silver Sponsors:



Lunch Coupon Sponsor
Booth #1928



Learning Lab Theater Sponsor

NFMT Partners:



Booth #1522



Booth #1623



Booth #2345



Booth #2550



Booth #1523



Booth #2442



Booth #1409



Booth #2451



Booth #2568



Northeast Energy Efficiency Partnerships

Booth #1405



Booth #2458



Booth #1943



MARYLAND

Booth #2567

Thank you to the companies who have been exhibiting for all 20 years at NFMT!



Booth #1824



Booth #2134



Booth #2527



Booth #1921



Booth #2124



Booth #1900

Thank you to the Baltimore businesses providing prizes for our anniversary party:

LORD BALTIMORE HOTEL
est. 1928



Schedule at-a-glance

Tuesday, March 17

7:00 AM – 4:00 PM Registration Open

8:00 AM – 11:45 AM Conference Sessions

Session Rm# Title

8:00 – 9:15 AM

TG.GS Ballroom Disruptions in Facilities Management: How Will it Change the Next 20 Years?

9:00 AM – 12:00 PM

T1.31 331 ProFM Credential Preview Class

9:30 – 10:30 AM

- T1.14 314 5 Disruptive Technologies That Will Change Facility Management Forever
- T1.16 316 How Can FMs Attract The Right Human Assets On Their Projects?
- T1.18 318 Survival of the FM Professional in the Automation Age
- T1.21 321 Strategies for Improving Energy Efficiency: Retro-Commissioning, Energy Star & Green Building Certification
- T1.24 324 Optimizing Security Systems for New Buildings
- T1.27 327 Features and Benefits of Air and Water Side Economizer for Data Center
- T1.28 328 FM Metrics: Day-to-Day Data
- T1.37 337 How to Create Outcome-based Partnerships with Service Providers
- T1.39 339 Business Continuity – Expect the Unexpected
- T1.41 341 Optimizing Chiller Plants for Energy Savings

10:45 – 11:45 AM

- T2.14 314 Disruptive Threats to Building Security
- T2.16 316 The Convergence Of Experience And Operational Data: A Briefing On Cause & Effect
- T2.18 318 APM for Managers-Financial Intelligence
- T2.21 321 Reducing Energy Use with ENERGY STAR: Update for 2020
- T2.24 324 You Think You Know ADA... But Do You Really?
- T2.27 327 Data Center Disaster Recovery
- T2.28 328 Facilities of the Future: The Right Data for a Successful AI Strategy
- T2.37 337 The What, Why, Where, When of Asset Inventory and Asset Management for Complex Facilities
- T2.39 339 Risk Driven Defect Prevention - Lessons Learned

T2.41 341 LEAN-ing into Facilities: Value Creation through Waste Elimination in FM

Noon – 4:00 PM Expo Hall Open

Learning Lab Sessions in Booth #1528

- 12:30 PM Direct Energy Business (Centrica)**
Sourcing Onsite Solar vs. Offsite Renewables: What's best for your facility?
- 1:00 PM RLE Technologies**
Solving Your Peace of Mind Problem
- 1:30 PM ServiceMaster NCR**
Latest Technology for Monitoring Dirty/Unsafe Air During a Water Loss
- 2:00 PM Sunbelt Rentals**
Ladder Hazards and Alternatives for 2020 and Beyond!
- 2:30 PM Vector Solutions**
Developing Career Paths for Facilities Maintenance Technicians
- 3:00 PM Pure Air Control Services**
ROI of HVAC Restoration

3:45 PM \$1,000 Cash Drawing – booth #1100

Sponsored by



4:00 – 5:00 PM St. Patrick's Day Networking Party – Pratt Street Lobby

Sponsored by



Wednesday, March 18

7:00 AM – 4:00 PM Registration Open

8:00 AM – 11:30 AM Conference Sessions

8:00 – 9:00 AM

W1.14 314 Smarter Buildings: Practical Steps for FMs

SHOW SCHEDULE

- W1.16 316 Creating Your FM Legacy
- W1.18 318 Future Ready Design - Building Enclosure Considerations
- W1.24 324 Hazard Awareness: What You Don't Know Can Kill You!
- W1.37 337 Federal Buildings Personnel Training Act – Ten years after

9:15 – 10:15 AM

- W2.14 314 How Climate Change Will Disrupt Building Design and Management
- W2.16 316 Facility Extreme, Project Impossible: The Burj Khalifa, Dubai UAE
- W2.18 318 Yes, You Can Control Your FM Career...We Did!
- W2.21 321 Impact of LEED v4 Commissioning
- W2.24 324 Hiding Security in Plain Sight: The Puppy Movement
- W2.27 327 Reinventing the Patient Room
- W2.28 328 What Facilities Managers Need to Know About In-Building Connectivity Now
- W2.37 337 FBPTA In Action: Agency Case Studies
- W2.39 339 Office Furniture in the Circular Economy
- W2.41 341 Facility Impacts of Increasing Occupant Density

10:30 – 11:30 AM

- W3.14 314 Embracing our Inner Disruptor
- W3.16 316 21st Century Facilities Management: Three Steps to Mastery
- W3.18 318 Turning the Tables: Getting Top Management's Attention to Approve Projects
- W3.21 321 The New WELL Building Standard Impacts Operations
- W3.24 324 Are Your Qualified Workers Truly NFPA 70E Qualified?
- W3.27 327 Infection Prevention: Protecting Patients Through Proper Cleaning, Construction, and Design
- W3.28 328 Use a Smart Building Implementation Model to Transform the Built Environment Where People Live, Work, Learn and Heal
- W3.37 337 Cybersecurity Basics for Building Personnel
- W3.39 339 Polished Concrete and Industrial Spaces and Large Sq. Ft.: It's Possible
- W3.41 341 Photovoltaics and Their Impact on Roofing Assemblies

11:30 AM – 3:30 PM Expo Hall Open

Learning Lab Sessions in Booth #1528

- 12:00 PM FMX**
The Right Tool for the Job - Utilizing Facilities Management Software to streamline operations, reduce operating costs, and extend asset life

- 12:30 PM ServiceMaster NCR**
Latest Technology for Monitoring Dirty/Unsafe Air During a Water Loss

- 1:00-1:50 PM Schluter Systems**
Moisture Management in Tiled Showers

- 2:00 PM EagleHawk**
How Drone-Enabled Technology Is Improving Facilities Management

- 2:30 PM ABB Inc.**
HVAC Drives and Harmonics in Your Building

- 3:15 PM \$1,000 Cash Drawing – booth #1100**
Sponsored by



3:45 – 4:45 PM

- W4.14 314 Workplace Transformation: New Imperatives Are Reshaping the Office
- W4.16 316 What's Next in Green Building Performance & LEED?
- W4.18 318 New Job or New Hire? Top 10 FM Skills to Prioritize for Onboarding
- W4.21 321 Sustainable Challenges and Best Practices, the Path to a Healthy Bottom Line
- W4.24 324 Variable Frequency Drive Basics: What You Need to Know
- W4.27 327 Home Base: Embracing High Performance Workspace in Behavioral Health
- W4.28 328 Funding Your Energy Project with Newly Extended Tax Incentives
- W4.37 337 Bringing Water Efficiency Back to Front of Mind
- W4.39 339 Teaching Maintenance Employees the Art and Science of Troubleshooting
- W4.41 341 3D Printing for Historic Preservation and Building Maintenance Combining Laser Scanning, Drone Mapping and 3D Modelling

3:45 – 6:00 PM Women in FM Panel and Reception – Ballroom

Sponsored by



7:00 – 9:00 PM NFMT 20th Anniversary Party – Bond Street Social \$

\$ Fee to attend

Schedule at-a-glance continued

Thursday, March 19

7:00 AM – 4:00 PM Registration Open

8:00 AM – 11:30 AM Conference Sessions

8:00 – 9:00 AM

RG Ballroom Creating an Inclusive and Welcoming Environment

9:15 – 10:15 AM

- R1.14 314 Standardization of Facilities Management Around the World
- R1.16 316 Using Social Media to Connect with Stakeholders
- R1.18 318 2020 – Setting a Clear Vision for your Facility Management Program
- R1.21 321 How Greene Team Pellet Monetized their Flexible Load
- R1.24 324 Active Shooter Seminar and/or DHS/CISA Protective Security Advisor (PSA) Mission and DHS Tools/Assessments/Training
- R1.27 327 Indoor Environmental Quality, Building Health, and Comfort
- R1.28 328 Maximizing Your Team's Efficiency with a Well-Designed BAS
- R1.37 337 Total Cost of Ownership Implementation
- R1.39 339 Cybersecurity Boot Camp - Basic Steps to Secure Control Systems
- R1.41 341 Emergency Preparedness: Risks and Resilience

10:30 – 11:30 AM

- R2.14 314 FM Staffing Crunch: Practical Steps for Facility Leaders
- R2.16 316 Facility and Risk Manager Practices for Public Engagement
- R2.18 318 Building Enclosure Design for Aesthetic Maintenance
- R2.21 321 Power Shift: How DERs Are Creating a New Balance of Power
- R2.24 324 Bombs, Suspicious Packages, Active Shooters, Terrorism: How Do You Respond at Your Workplace
- R2.27 327 Give Your Facilities Crane Safety Program a Lift!
- R2.37 337 Condition Assessment Options and Opportunities
- R2.39 339 Overview of the International Existing Building Code Essentials
- R2.41 341 Retro Commissioning and Air Balancing - Why? It Can Save You Money and Reduce Your Service Life Cost

11:30 AM – 2:30 PM Expo Hall Open

Learning Lab Sessions in Booth #1528

12:00 PM Interplay Learning

Stop The Bleeding. Technician Turnover Is Costly You Dearly.

12:30 PM Microshare

Driving IFM Value from IoT Data

1:00 PM ReadyVIS

Indoor Drone Facilities Observation

1:30 PM ARC Facilities

How Apps are Disrupting the World of Facilities Management

2:15 PM \$1,000 Cash Drawing – booth #1100

Sponsored by



New Pig

2:45 – 3:45 PM

- R3.16 316 From Ordinary to Extraordinary : A Performance-Driven Management System
- R3.18 318 Understanding Generation Complexity in the Workplace: Exploding the Millennial Myth
- R3.21 321 Top 10 Low Cost Energy Savers
- R3.24 324 Understanding the ADA Retail Trap... Methods for Avoidance, Mitigation & Compliance
- R3.37 337 Better Asset Management Using Reality Capture, BIM, and Other Technology
- R3.41 341 The Latest Trends in Flooring

4:00 – 5:00 PM NFMT Closing Ceremony - Room 337

Professional Development at NFMT

Certificates of Attendance

Stop by booth #1221 during expo hours to pick up your personalized certificate of attendance. Your certificate recognizes your participation in NFMT Baltimore 2020.

Handouts

Following the conference, you will receive an e-mail with a link to take you to the NFMT handouts page. From there, you will be able to view and download a PDF copy of any presentation that was made available to NFMT by our speakers.

Continuing Education

Earn Continuing Education Units while attending NFMT sessions...



Trade Press Media Group, Inc. (NFMT) has been accredited as an Authorized Provider by the International Association for Continuing Education and Training (IACET), 1760 Old Meadow Road, Suite 500, McLean, VA 22102, (703) 506-3275.

NFMT is authorized by IACET to offer 0.1 CEUs for each conference session.

Credential Program

The ProFM Credential Program includes everything you need to build your FM knowledge and skills, prove your competency, and earn the ProFM credential. It teaches and tests the ProFM Body of Knowledge through online reading materials, study tools, and the ProFM final assessment. Visit booth #2325 for more information.



To earn CEUs make sure to...

- Have your badge scanned as you enter each session
- Attend the session in its entirety
- Watch your email - 10 days following the conference you'll receive a notification to login to your NFMT attendee dashboard. You will see the list of sessions you were scanned into at NFMT
- Click on each session title to access that session's specific, 5-question learning outcome assessment. Score 70% or greater on each assessment to earn your CEU credit
- Once you've completed the assessments for each session you attended, you can download and print your CEU transcript
- Self-report to the appropriate professional organizations using your NFMT CEU transcript

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Learning Lab Sessions

Join us in the expo hall for additional learning opportunities. Learning Lab sessions are 20-minute, condensed presentations given by expert vendors. The Learning Lab theatre is located in booth #1528.

Learning Lab theatre is sponsored by



TUESDAY, MARCH 17

12:30 PM



Sourcing Onsite Solar vs. Offsite Renewables: What's best for your facility?

Achieving your corporate sustainability initiatives involves a number of moving pieces coming together in perfect harmony toward a single goal. In this session, our energy experts will highlight the different offtake structures and the opportunities of each, as well as potential risks associated with each approach. We'll share real customer examples, how projects were funded, and the business outcomes achieved.

1:00 PM



Solving Your Peace of Mind Problem

Every facility is unique, but facility managers are all looking for the same thing: peace of mind. Learn how the right blend of airflow products, custom containment, and monitoring including temperature, humidity, airflow, and leak detection work together as a single integrated facility solution, providing you with the valuable peace of mind you've been looking for.

1:30 PM



ServiceMaster NCR

Latest Technology for Monitoring Dirty/Unsafe Air During a Water Loss

Did you know that 96% of shoe soles test

positive for E.coli? Not a problem unless it becomes aerosolized. Billions of dollars in litigation can be avoided by monitoring air quality during water mitigation. Protect occupants from being exposed to serious health issues. Learn about the newest technology that measures indoor air quality. Understand new strategies for managing occupant exposure and limiting project costs.

2:00 PM



Ladder Hazards and Alternatives for 2020 and Beyond!

You are not using a rotary phone to make calls in 2020? Why are you still using pre-1800's technology to work at elevated heights? Join us as we expose the risk and dangers of utilizing antiquated ladders. Be a part of a discussion where we can help recognize improved efficiencies and work place safety. We'll also highlight the new industry standards dealing with mobile elevated work platforms.

2:30 PM



Developing Career Paths for Facilities Maintenance Technicians

Faced with the challenge of finding skilled technicians, commercial real estate firm CBRE identified the need to bridge the skills gap. Together with training and performance support provider Vector Solutions, CBRE worked to create a comprehensive career development program for 9,000+ technicians. Initiatives included an internal apprenticeship program, skills assessments, technical training, career pathing, certification programs and more. Understand what Vector and CBRE learned along the way, and discover the impressive benefits already realized.

3:00 PM



ROI of HVAC Restoration

This presentation will outline the viability of restoration for aging HVAC equipment and the return on investment. It will demonstrate with the support of case studies: Performance improvements in CFM, Static Pressure, Cooling Capacity, corresponding energy efficiency gains and CAPEX savings. An in-depth look at the process of reconditioning the HVAC system will also be covered. This includes steam coil cleaning, specialized coatings, closed cell insulation and an ECM fan array upgrade. Restore in place options will also be discussed for equipment located in areas not feasible for replacement. Ultimately, HVAC restoration is a sustainable, less disruptive, more cost-effective solution than replacement and can pay for itself in energy savings.

WEDNESDAY, MARCH 18

12:00 PM



The Right Tool for the Job - Utilizing Facilities Management Software to Streamline Operations, Reduce Operating Costs, and Extend Asset Life

Keeping your facilities running smoothly is tough, especially when your team is understaffed, underfunded, and handling equipment near the end of its life. Join this session to learn how organizations switch from firefighting mode to operating smoothly with Facilities Management Software. We will review how these key areas of operation can be streamlined to reduce operating costs

and extend asset life: Work order processes, preventive maintenance strategy, Facility rental management, Facilities scheduling automation, Asset tracking/budgeting.

12:30 PM



ServiceMaster NCR

Latest Technology for Monitoring Dirty/Unsafe Air During a Water Loss

Did you know that 96% of shoe soles test positive for E.coli? Not a problem unless it becomes aerosolized. Billions of dollars in litigation can be avoided by monitoring air quality during water mitigation. Protect occupants from being exposed to serious health issues. Learn about the newest technology that measures indoor air quality. Understand new strategies for managing occupant exposure and limiting project costs.

1:00 PM – 1:50 PM



Moisture Management in Tiled Showers

Leaks and mold continue to pose serious problems for the construction industry. This seminar will compare traditional waterproofing systems with modern waterproofing technology to show how tiled showers have evolved. The fundamentals of both approaches, including proper design, execution, and function will be presented, with close attention paid to common errors, as well. The benefits of bonded waterproofing technology and how it has improved tiled showers will be stressed.

2:00 PM



How Drone-Enabled Technology is Improving Facility Maintenance

Hear how a new and innovative inspection method is making it safer, easier, faster and more affordable to maintain and repair large-scale facility assets.

2:30 PM



HVAC Drives and Harmonics in Your Building

An overview of Variable Frequency Drives (VFD's) and the electrical power harmonic impact drives have on the building power quality. This learning lab will focus on prevention of harmonic issues created by VFD's with respect to IEEE 519-2014. An introduction to the ACH580 drive product line and the ACH580 low harmonic VFD solution.

THURSDAY, MARCH 19

12:00 PM



Stop The Bleeding. Technician Turnover Is Costly You Dearly

The Facility Maintenance industry is facing a massive workforce turnover problem. Whether entry-level or veteran employee, losing just one worker can significantly impact your business. Investing in a training solution aimed at developing the skills of your workforce efficiently and effectively is hands-down the best retention strategy. Come hear how using Virtual Reality and 3D simulation technical training, along with targeted assessments to provide technician skill visibility, is changing the outcomes for companies across the country.

12:30 PM



Driving IFM Value from IoT Data

The advent of low-cost, long-battery life Internet of Things (IoT) sensors has opened a new era in facilities management, revealing building performance, sustainability and expense data that the industry could only guess at. Our deployments across thousands of rooms in a dozen global FM companies are transforming staffing, energy and security costs even as this new data provides new safety and maintenance capabilities. Desk and room occupancy sensors identify wasted square footage; predictive cleaning and maintenance sensors save time and man-hours that are better spent on more complex issues. Water sensors identify leaks and warn about risks like Legionnaire's Disease, just

as our refrigeration sensors ensure against hidden spoilage. From waste management to air quality to foot traffic, our solutions convert your inert, brick-and-mortar buildings into living, breathing entities complete with vital signs that can be read, compiled and audited. Knowledge is power. Powering transformative change in a modern facility or across a complex real estate portfolio means collecting data that turns guesstimates into decisions driven by precise, real-time metrics. Microshare offers a solutions-based approach to this challenge.

1:00 PM



Indoor Drone Facilities Observation

Passero Associates is a full service architecture and engineering consulting firm, including an in-house emerging technologies and application development team, ReadyVIS. By utilizing indoor, collision-tolerant drones, Passero Associates offers a unique solution to a common problem faced by many facility managers and operators: how to inspect their overhead infrastructure. Our skilled FAA certified drone pilots can see your hardest to reach potential overhead liabilities, and inform you of their precise location before an accident occurs.

1:30 PM



How Apps are Disrupting the World of Facilities Management

Apps have transformed nearly every aspect of our personal and professional lives. Finance, travel, food, navigation, entertainment and much more. Apps are now positioned to disrupt the build environment and facilities management in profound ways. In this session you'll learn how technology and the app economy are enabling facilities professionals to solve difficult challenges such as budgets, headcount, KPIs, emergency response, compliance, customer service and workplace experiences.

Tracks at-a-glance

Asset Management

Sesion	Room	Title
T1.37	337	How to Create Outcome-based Partnerships with Service Providers
T2.37	337	The What, Why, Where, When of Asset Inventory and Asset Management for Complex Facilities
W1.18	318	Future Ready Design - Building Enclosure Considerations
W4.24	324	Variable Frequency Drive Basics: What you need to know
R1.37	337	Total Cost of Ownership Implementation
R2.37	337	Condition Assessment Options and Opportunities
R3.37	337	Better Asset Management Using Reality Capture, BIM, and Other Technology

Business Management

Sesion	Room	Title
T1.16	316	How Can FMs Attract The Right Human Assets On Their Projects?
T1.18	318	Survival of the FM Professional in the Automation Age
T1.31	331	ProFM Credential Preview Class
T2.16	316	The Convergence Of Experience And Operational Data:A Briefing On Cause & Effect
T2.18	318	APM for Managers-Financial Intelligence
T2.21	321	Reducing Energy Use with ENERGY STAR: Update for 2020
W1.16	316	Creating Your FM Legacy
W1.37	337	Federal Buildings Personnel Training Act – Ten years after
W2.16	316	Facility Extreme, Project Impossible: The Burj Khalifa, Dubai UAE
W2.18	18	Yes, You Can Control Your FM Career....We Did!
W2.37	337	FBPTA In Action: Agency Case Studies
W3.16	316	21st Century Facilities Management: Three Steps to Mastery
W3.18	318	Turning the Tables: Getting Top Management's Attention to Approve Projects
W4.18	318	New Job or New Hire? Top 10 FM Skills to Prioritize for Onboarding
W4.21	321	Sustainable Challenges and Best Practices, the Path to a Healthy Bottom Line
W4.27	327	Home Base: Embracing High Performance Workspace in Behavioral Health
W4.BA	Ballroom	2020 Women in Facilities Management Panel
RG.GS	Ballroom	Creating an Inclusive and Welcoming Environment

R1.16	316	Using Social Media to Connect with Stakeholders
R1.18	318	2020 – Setting a Clear Vision for your Facility Management Program
R2.18	318	Building Enclosure Design for Aesthetic Maintenance
R3.16	316	From Ordinary to Extraordinary : A Performance-Driven Management System
R3.18	318	Understanding Generation Complexity in the Workplace: Exploding the Millennial Myth

Disruption in Facilities Management

Sesion	Room	Title
TG.GS	Ballroom	Disruptions in Facilities Management: How Will it Change the Next 20 Years?
T1.14	314	5 Disruptive Technologies That Will Change Facility Management Forever
T2.14	314	Disruptive Threats to Building Security
W1.14	314	Smarter Buildings: Practical Steps for FMs
W2.14	314	How Climate Change Will Disrupt Building Design and Management
W3.14	314	Embracing our Inner Disruptor
W4.14	314	Workplace Transformation: New Imperatives Are Reshaping the Office
R1.14	314	Standardization of Facilities Management Around the World
R2.14	314	FM Staffing Crunch: Practical Steps for Facility Leaders

Energy/Utility Management

Sesion	Room	Title
T1.21	321	Strategies for Improving Energy Efficiency: Retro-Commissioning, Energy Star & Green Building Certification
T1.27	327	Features and Benefits of Air and Water Side Economizer for Data Center
W2.21	321	Impact of LEED v4 Commissioning
W4.16	316	What's next in green building performance & LEED?
W4.28	328	Funding Your Energy Project with Newly Extended Tax Incentives
W4.37	337	Bringing Water Efficiency Back to Front of Mind
R1.21	321	How Greene Team Pellet Monetized their Flexible Load
R2.21	321	Power Shift: How DERs Are Creating a New Balance of Power
R3.21	321	Top 10 Low Cost Energy Savers

Operations and Maintenance Management

Sesion	Room	Title
T1.41	341	Optimizing Chiller Plants for Energy Savings
T2.41	341	LEAN-ing into Facilities: Value Creation through Waste Elimination in FM
W2.39	339	Office Furniture in the Circular Economy
W2.41	341	Facility Impacts of Increasing Occupant Density
W3.21	321	The New WELL Building Standard Impacts Operations
W3.27	327	Infection Prevention: Protecting Patients Through Proper Cleaning, Construction, and Design
W3.39	339	Polished Concrete and Industrial Spaces and Large Sq. Ft.: It's Possible
W3.41	341	Photovoltaics and Their Impact on Roofing Assemblies
W4.39	339	Teaching Maintenance Employees the Art and Science of Troubleshooting
W4.41	341	3D Printing for Historic Preservation and Building Maintenance Combining Laser Scanning, Drone Mapping and 3D Modelling
R2.41	341	Retro Commissioning and Air Balancing - Why? It Can Save You Money and Reduce Your Service Life Cost
R3.41	341	The Latest Trends in Flooring

Risk Management

Sesion	Room	Title
T1.39	339	Business Continuity – Expect the Unexpected
T2.27	327	Data Center Disaster Recovery
T2.39	339	Risk Driven Defect Prevention - Lessons Learned
W1.24	324	Hazard Awareness: What You Don't Know Can Kill You!
W3.37	337	Cybersecurity Basics for Building Personnel
R1.27	327	Indoor Environmental Quality, Building Health, and Comfort
R1.39	339	Cybersecurity Boot Camp - Basic Steps to Secure Control Systems
R1.41	341	Emergency Preparedness: Risks and Resilience
R2.16	316	Facility and Risk Manager Practices for Public Engagement
R2.39 Code	339	Overview of the International Existing Building Essentials
R3.24	324	Understanding the ADA Retail Trap... Methods for Avoidance, Mitigation & Compliance

Safety and Security Management

Sesion	Room	Title
T1.24	324	Optimizing Security Systems for New Buildings
T2.24	324	You Think You Know ADA... But Do You Really?
W1.24	324	Hazard Awareness: What You Don't Know Can Kill You!
W2.24	324	Hiding Security in Plain Sight: The Puppy Movement
W2.27	327	Reinventing the Patient Room
W3.24	324	Are Your Qualified Workers Truly NFPA 70E Qualified?
R1.24	324	Active Shooter Seminar and/or DHS/CISA Protective Security Advisor (PSA) Mission and DHS Tools/Assessments/Training
R2.24	324	Bombs, Suspicious Packages, Active Shooters, Terrorism: How Do You Respond at Your Workplace
R2.27	327	Give Your Facilities Crane Safety Program a Lift!

Smart Building Technologies

Track Sponsored by:



Sesion	Room	Title
T1.28	328	FM Metrics: Day-to-Day Data
T2.28	328	Facilities of the Future: The Right Data for a Successful AI Strategy
W2.28	328	What Facilities Managers Need to Know About In-Building Connectivity Now
W3.28	328	Use a Smart Building Implementation Model to Transform the Built Environment Where People Live, Work, Learn and Heal
R1.28	328	Maximizing Your Team's Efficiency with a Well-Designed BAS

CONFERENCE SESSIONS

Tuesday, March 17th

You are invited to the Tuesday Opening Session...

8:00 – 9:15 AM

Business Management

TG.GS – Ballroom

Disruptions in Facilities Management: How Will it Change the Next 20 Years?

As facility management enters a new decade, disruptive forces are transforming many established practices and expectations. Some of these gamechangers present new opportunities, while others present new risks. Either way, it's crucial for facility leaders to understand what these disruptive forces will mean for commercial and institutional buildings and to begin taking concrete action to prepare for the future. In this year's opening session, industry experts will help facility managers make plans to navigate the turbulent waters ahead. This session will offer facility managers advice about developing a proactive FM leadership strategy to prepare for and respond to disruption, from budgeting to communication with top management to finding synergies in responses.

LEARNING OBJECTIVES:

1. Understand how to identify disruptive forces that will affect your facility department.
2. Learn the benefits of a proactive strategy for dealing with disruption.
3. Find out how to minimize problems and take advantage of opportunities arising from disruptive forces.
4. Be prepared for conversations with senior executives about the need to respond to specific disruptions.

AUDIENCE: BEGINNER CEU: 0.1

SPEAKERS

LARRY MORGAN, CFM, SFP
Head of Operational Excellence
and Sustainability Initiatives for
North and Latin America
SAP Global Facilities Management,
Americas

BRUCE THORPE
Manager - Global Lab Strategy
NVIDIA Corporation

CHRISTOPHER WALINSKI, CEA
Building Operations Manager
Munich Reinsurance America, Inc

EDWARD SULLIVAN
Facility Group Editor
Building Operating Management
Magazine

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9:00 AM - 12:00 PM

Business Management

T1.31 • Room: 331

ProFM Credential Preview Class

Stan Mitchell, CEO, Key Facilities Management

Randy Olson, VP of Global Business Development, ProFM Credential

Curious about the ProFM credential and what you'll learn?

Join expert instructor, Stan Mitchell, for this free 3-hour introductory class exploring the 24 critical FM topics that make up the ProFM Body of Knowledge spanning Operations and Maintenance, Asset Management, Risk Management, Business Management, and Cross-Functional Competencies.

LEARNING OBJECTIVES

1. Provide an introduction to the ProFM Credential
2. Discuss cross-functional competencies for facilities managers
3. Learn about the key functions of facilities management including: operations & maintenance, asset management, risk management and business management

AUDIENCE: INTERMEDIATE CEU: 0.1

9:30 - 10:30 AM

Disruption in Facilities Management

T1.14 • Room: 314

5 Disruptive Technologies That Will Change Facility Management Forever

Paul Doherty, President and CEO, the digit group Inc.

The best facility management practices will always need humans to become the knowledge behind the building. This will not change. What will change is the way facility management is created, managed and distributed for use beyond today's limitations of how to manage and operate a building. Join us for an exploration of how five disruptive technologies are changing facility management forever and how you can position yourself for success; Machine Learning/Artificial Intelligence, Voice Assistants, Big Data, Augmented/Virtual Reality and BIM 2.0 will be showcased with real world examples from around the world.

LEARNING OBJECTIVES

1. Identify the five technologies that will change facility management forever.
2. Recognize the effects of these technologies on culture, process and relevancy.
3. Implement workflows and technologies for unique situation.

4. Discuss how work gets done based on the new reality for facility managers.

AUDIENCE: INTERMEDIATE CEU: 0.1

Business Management

T1.16 • Room: 316

How Can FMs Attract The Right Human Assets On Their Projects?

Dhaval Gajjar PhD, FMP, SFP, Assistant Professor, Clemson University

The performance and quality on your projects is directly related to the people you hire to do the work. Identifying high-performing teams that understand your project or service and leveraging their expertise have higher chances of success. So how do you identify these high-performers? This session will focus on the best RFP practices and how to position yourself as "FM of choice" to better attract, differentiate, and leverage the best people on your projects. Dr. Gajjar will lead an entertaining session that will focus on the aspects of procurement, pre-planning, and project management.

LEARNING OBJECTIVES

1. State how to utilize vendor's experience and expertise in sourcing stage.
2. Review the use of performance metrics and its role in FM purchasing decisions.
3. Explain how to involve all the key stakeholders during project planning.
4. Develop simple measurement strategies that drive performance and accountability for vendors.

AUDIENCE: INTERMEDIATE CEU: 0.1

Business Management

T1.18 • Room: 318

Survival of the FM Professional in the Automation Age

Dean Kashiwagi, PhD, P.E., IFMA Fellow, Director, Kashiwagi Solution Model Inc.

The FM profession must change to survive in the age of automation. The FM professional must become an information worker (IW). The FM must increase their responsibility and decrease their workload and liability, but have a tremendous impact on the C-Suite by creating dominant value. The mechanism behind the transformation is to identify and utilize expertise of the expert vendors and outsource project management to the expert vendors. The speaker will review examples which show a dramatic decrease in cost of

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services, but an increase in value. FMs must learn the new paradigm, vocabulary and actions for the future.

LEARNING OBJECTIVES

1. Recall how to reduce organizational costs by up to 30 percent while increasing the value and quality of services received.
2. Describe how to use performance metrics to ensure buy-in at all levels of an organization.
3. State the new FM paradigm and how to increase their capability.
4. Explain how FMs can increase the impact on their organization by minimizing the amount of information they need to know.

AUDIENCE: INTERMEDIATE CEU: 0.1

Energy/Utility Management

T1.21 • Room: 321

Strategies for Improving Energy Efficiency: Retro-Commissioning, Energy Star & Green Building Certification

Keith Madigan PE, LEED AP(BD+C,O&M), BCxP, Vice President, Forensic Architecture & Engineering Regional Lead, J.S. Held, LLC
Energy efficiency improvements in commercial buildings and the associated operational cost savings is often a common goal for property owners, property managers, and tenants/occupants alike. Selecting an effective energy efficiency program for a property; whether through a green building certification program, a retro-commissioning program, or Energy Star compliance program; is frequently confusing and complex. Come and learn the best strategies for implementing an effective, high impact energy efficiency program at your property.

LEARNING OBJECTIVES

1. Learn the pros/cons of pursuing property energy efficiency through green building certification, retro-commissioning, and/or Energy Star compliance.
2. Gain knowledge of "high impact" energy efficiency improvements for a property.
3. Understand the consequences of a poorly implemented energy efficiency program.
4. Learn strategies for selecting the optimal energy efficiency program for a property.

AUDIENCE: INTERMEDIATE CEU: 0.1

Safety and Security Management

T1.24 • Room: 324

Optimizing Security Systems for New Buildings

Daniel O'Neill, President and CEO, Advanced Data Risk Management

Given today's environment, security has become a high priority for many organizations. But when a new building is being planned, security is sometimes an afterthought. That's a mistake. A wide range of security decisions need to be made for a new building, from the choice of the access control, to camera placement, to planning responses to incidents and alarms. Innovations in technology may present opportunities to improve security effectiveness and efficiency. Integration of systems like access control, surveillance, and visitor management can be another opportunity, but it should be addressed early in design process.

LEARNING OBJECTIVES

1. Identify key security decisions that need to be made for a new building.
2. Understand the benefits of making key security decisions early in the design process.
3. Learn about common omissions and mistakes that occur when security isn't addressed early in the design phase.
4. Review innovations in security technologies like access control, video surveillance, and visitor management that should be considered for new buildings.

AUDIENCE: BEGINNER CEU: 0.1

Energy/Utility Management

T1.27 • Room: 327

Features and Benefits of Air and Water Side Economizer for Data Center

Stephen Spinazzola, PE, LEED AP, Senior Project Manager, Bala I SVA Engineers

The presentation will show the two main options for an economizer cycle for data centers. Both Air-Side and Water-Side Economizer will be presented and discussed with the advantages and disadvantages of each cooling solution. It will include how energy efficiency is calculated, the changes in data center design conditions, and how total cost of ownership should be used to in the design process.

LEARNING OBJECTIVES

1. Define how energy use in data centers is measured.
2. Explain the advantages and disadvantages of air-side economizer.
3. Explain the advantages and disadvantages of water-side economizer.
4. State how to compare and select the best system for your project.

AUDIENCE: INTERMEDIATE CEU: 0.1

Smart Building Technologies

T1.28 • Room: 328

FM Metrics: Day-to-Day Data

Robert Lambe, CFM, President, Facility Issues

While big data, machine learning, and artificial intelligence offer great promise for facility management, many facility groups are just starting to acquire and deploy these advanced systems. This session will outline how available and affordable "small data" approaches can create a useful facility data pool/metrics for current needs along with - and during - the transition to emerging new data technologies.

LEARNING OBJECTIVES

1. Recognize facility-related data that is available and useful.
2. Identify the benefits of small data tools and metrics.
3. Realize the issues associated with integrating facility data from multiple sources.
4. Understand specific applications of integrated facility data for your organization.

AUDIENCE: INTERMEDIATE CEU: 0.1

Asset Management

T1.37 • Room: 337

How to Create Outcome-based Partnerships with Service Providers

Paul Head, II, Technology Practice Leader, EY Construction and Real Estate Advisory

Amanda Lundell, Manager, EY Corporate Real Estate Advisory

Historically, buyers have had a strong focus on cost reduction and standardization when outsourcing to a service provider. Today, however, the need of flexibility, proactivity and innovation has become equally as important for most organizations. We have found that sticking to the same power-based approach when negotiating will not deliver the best results for either party. Buyer and supplier organizations at the forefront are instead developing outcome-based partnerships to foster collaboration, innovation, and value sharing - to become truly vested in each others success. This session will address techniques, partnership models, and relational contracts that can take your REFM organization to the next level.

LEARNING OBJECTIVES

1. Learn to assess when a partnership model could be suitable.
2. Understand how to unlock obstacles and gain the most out of your service provider relationships.

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3. Framework for how to develop a Vested partnership.
4. Demonstrate how the RE&FM function can deliver value beyond cost savings to top management and core business through strategic partnerships.

AUDIENCE: INTERMEDIATE CEU: 0.1

Risk Management

T1.39 • Room: 339

Business Continuity — Expect the Unexpected

Bob Mellinger, President, Attainium Corp.

How do organizations continue to function in the event of major disruption? By executing its Business Continuity Plan. But first, you must have one. Learn the types of disruptions that can affect an organization and how to develop a strategy to handle these unforeseen occurrences. We will discuss Business Continuity vs. Disaster Recovery, the principles of emergency management — planning, mitigation, response, & recovery, the components of a Business Continuity Plan and what you need to do to get started. This session is positioned for entry-level attendees through those with some business continuity planning knowledge.

LEARNING OBJECTIVES

1. Understand the phases of emergency management and how they apply to organizational and business continuity planning.
2. Learn the components of a Business Continuity Plan and how to develop one.
3. Understand the importance of creating, maintaining, and testing a Business Continuity Plan.
4. “Be exposed” to the Threats and Hazards that can impact an organization.

AUDIENCE: BEGINNER CEU: 0.1

Operations and Maintenance Management

T1.41 • Room: 341

Optimizing Chiller Plants for Energy Savings

Edmundo Kamel, Systems Product Manager, Carrier Corp.

Facility chiller plants were designed with older technology in mind with older building codes. Today’s equipment is much more efficient however, new equipment installation can be costly. There are many ways to save energy, reduce cost and become more environmentally friendly with retrofits without introducing new equipment. By looking at total plant energy efficiency this session will provide insight into justifying replacing or modifying equipment from both an energy efficiency and financial perspective while keeping in mind relevant topics such as refrigerant conversion.

LEARNING OBJECTIVES

1. Learn the advantages and disadvantages of chilled water systems.
2. Understand the differences between IPLV, NPLV and SPLV.
3. Understand energy savings opportunities from the operation standpoint
4. Identify areas of opportunities for retrofits implementation.

AUDIENCE: BEGINNER CEU: 0.1

10:45 - 11:45 AM

Disruption in Facilities Management

T2.14 • Room: 314

Disruptive Threats to Building Security

Sean Ahrens, CPP, Security Market Group Leader, Affiliated Engineers, Inc.

Drones. Robots. 3D printing. Mobile phones. These and other technologies and developments have the potential to disrupt the way that security is handled in commercial and institutional buildings. In some cases, these new technologies pose potential risks that facility managers should be aware of. In other cases, new technology may offer the opportunity to improve security. But whether any particular technology is a risk or opportunity, all raise questions about how security practices will change in the future. Sean Ahrens, a leading expert on building security and resilience, will share his perspective on emerging disruptive security threats from weaponized drones to vehicular assaults to risks posed by mobile phones to roles for robots in security that could potentially change the way the way that buildings are built.

LEARNING OBJECTIVES

1. Identify technologies that have the potential to disrupt security in buildings.
2. Understand the nature of emerging threats.
3. Review technologies that could provide new options for security.
4. Learn how to begin preparing now to respond to disruptive threats as they emerge.

AUDIENCE: INTERMEDIATE CEU: 0.1

Business Management

T2.16 • Room: 316

The Convergence Of Experience And Operational Data: A Briefing On Cause & Effect

Larry Morgan, CFM, SFP, Head of Operational Excellence and Sustainability Initiatives for North and Latin America, SAP Global Facilities Management, Americas

Creating and managing the “new generation” workplaces are rapidly leaning towards how people experience their interaction with the built environment. In this briefing we will exam the convergence of the experience data and operational data that supports making qualitative decisions supporting the strategy and tactics of operations.

LEARNING OBJECTIVES

1. Understand what is considered a new generation workplace.
2. Review how people experience their interaction with the built environment.
3. Learn how the convergence of the experience data and operational data that supports making qualitative decisions.

AUDIENCE: ADVANCED CEU: 0.1

Business Management

T2.18 • Room: 318

APM for Managers-Financial Intelligence

Andy Gager CMRP, CPIM, CAMA, Managing Director, Nexus Global Business Solutions, Inc.

In today's business world, the average maintenance operation experiences at least 30-33 percent waste each year due to reactive maintenance, equipment failures, and poor asset data. Implementing a sustainable Asset Performance Management (APM) program can uncover hidden capacity by improving asset reliability and availability while reducing overall operating costs. However, with any initiative, Leadership MUST be the key enabler and MUST have finance intelligence. APM for Managers - Financial Intelligence is designed specifically for senior and top management to recognize and calculate the true contribution costs of maintenance and budget accordingly.

LEARNING OBJECTIVES

1. Define financial intelligence and how to apply.
2. Improve your plant reliability and equipment availability with effective strategies.
3. Understand methods in developing, managing, and measuring budgets.
4. Evaluate the true cost of the contribution costs of maintenance on your organization.

AUDIENCE: INTERMEDIATE CEU: 0.1

Business Management

T2.21 • Room: 321

Reducing Energy Use with ENERGY STAR: Update for 2020

Jean Lupinacci, Chief, Energy Star Commercial and Industrial Branch, U.S. Environmental Protection Agency

Benchmarking the energy performance of buildings with ENERGY STAR has become a standard best practice for managing energy use. An EPA study found that buildings that benchmark energy use for three consecutive years save an average of 2.4 percent per year. Benchmarking energy use with ENERGY STAR can help facilities focus their energy saving efforts and demonstrate successes. Recent changes to the ENERGY STAR program will be of interest to all facility managers looking to reduce energy costs. In 2018 alone, more than 270,000 commercial properties used EPA's no-cost, online resource management tool, ENERGY STAR Portfolio Manager, to measure and track their energy use, water use, and/or waste and materials. To ensure that the program stays up to date, the underlying metrics used to provide the 1 to 100 scores through Portfolio Manager have been updated to reflect the current performance of commercial and institutional buildings. What's more, ENERGY STAR has piloted an energy benchmarking program for tenants. More than 50 tenants participated in the "ENERGY STAR Tenant Space" pilot program, including Samsung,



CONFERENCE SESSIONS

Tuesday, March 17th

Morgan Stanley, Salesforce, LinkedIn, and Verizon. This session will help facility managers start or grow their energy efficiency efforts by highlighting the status of updates to the 1 to 100 scoring models and lessons learned about how tenants can save energy.

LEARNING OBJECTIVES

1. Review the benefits of regularly benchmarking energy.
2. Understand how to use Energy Star benchmarking to improve energy efficiency.
3. Learn about the current status of updates to the Energy Star benchmarking program.
4. Understand key steps that tenants can take to improve energy efficiency.

AUDIENCE: INTERMEDIATE CEU: 0.1

Safety and Security Management

T2.24 • Room: 324

You Think You Know ADA... But Do You Really?

Joan W. Stein, President, Stein Consulting LLC

The American with Disabilities Act (ADA) is a federal civil rights law that is complaint driven. Unlike building codes, the ADA is enforced either through investigations performed by the U.S. Department of Justice or by the federal courts; both stemming from complaints or allegations received from individuals with disabilities. Being aware and informed of the Americans with Disabilities Act is vital for every FM and the buildings they manage. While nothing can guarantee that an organization will not be sued under the ADA, this session will explore a series of proactive steps that can be taken to help keep facilities ahead of the curve and help your organization to effectively manage your risk. Join Joan Stein who has more than 25 years' experience as an ADA consultant for a practical, informative and interactive session.

LEARNING OBJECTIVES

1. Provide an overview of the ADA
2. Discuss a facilities manager's responsibility with ADA
3. List common questions regarding ADA
4. Learn why ADA compliance cannot be ignored

*Ms. Stein is not an attorney and the tips and guidance provided in this session cannot be construed to be legal advice.

AUDIENCE: INTERMEDIATE CEU: 0.1

Risk Management

T2.27 • Room: 327

Data Center Disaster Recovery

Jeff Gilmer, Senior Partner, Excipio Consulting

Join Jeff Gilmer in a thought leading discussion about disaster recovery related to facility and data center environments. This session illustrates necessary steps to a successful planning process and addresses how to best prioritize the recovery of an organization's services. Attendees will learn how to identify facilities, IT, financial and resources required to recover from a critical incident for the organization.

LEARNING OBJECTIVES

1. Understand the differences between an emergency management, business continuance, or disaster recovery plan.
2. Define the steps to creating a successful recovery plan.
3. Learn how to prioritize the recovery of an organization's services.
4. Determine the key components an organization requires to recover those services including facilities, IT, financial and resources.

AUDIENCE: BEGINNER CEU: 0.1

Smart Building Technologies

T2.28 • Room: 328

Facilities of the Future: The Right Data for a Successful AI Strategy

Ray Diwakar, Vice President of Innovation, Gordian

Construction industry market trends are pointing to increased use of data, analytics and artificial intelligence-based solutions to automate many processes in the construction life cycle. Facility Managers are increasingly looking at AI to improve management and maintenance scheduling and to alert them about facilities risks. But the promise of AI is entirely dependent upon data. And when most of that data is distributed across multiple systems, with manual or non-existent workflows and siloed in systems that don't "talk" to each other, the data becomes stale and disjointed. In order to deliver results with AI, the data strategy requires better architecture and augmenting internal data with enriched, continuously updated data. Additionally, any artificial intelligence involved in making.

LEARNING OBJECTIVES

1. Explore the data, analytics and artificial intelligence trends that are reshaping facilities management at an accelerating pace.
2. Review how to avoid manual workflows, siloed systems and stale data that can ruin a well-intentioned AI strategy.
3. Recognize limitations and why decision-making artificial intelligence must understand the construction language.
4. Understand the essential components of a successful data strategy and how AI can improve facilities management.

AUDIENCE: ADVANCED CEU: 0.1

Asset Management

T2.37 • Room: 337

The What, Why, Where, When of Asset Inventory and Asset Management for Complex Facilities

Kyle Christiansen RA, Office Manager, Senior Consulting Architect, Terracon Engineering, Facility Dept.

21st Century asset management and capital planning seeks to minimize the total costs of acquiring, operating, maintaining, and renewing building assets. Centralized Maintenance Management Software (CMMS) allows streamline planning, forecasting, and prioritization of capital deployment. Join this session to learn how facility managers can improve maintenance of building assets through proactive maintenance and understand how to align the maintenance, management and mission of your facility.

LEARNING OBJECTIVES

1. Recognize how facility managers can improve maintenance of building assets to improve system performance through proactive maintenance.
2. Identify how asset managers access credible budgetary tools to meet organization mission and goals.
3. Review how to enhance energy efficiency and ADA compliance.
4. List how to align the maintenance, management, and mission of your facility for optimal results.

AUDIENCE: ADVANCED CEU: 0.1

Risk Management

T2.39 • Room: 339

Risk Driven Defect Prevention - Lessons Learned

Tim Schap, AIA, REWC, Building Forensics Expert, Construction Process Solutions, Ltd.

Building defects are a growing concern in the industry. Defects are expensive. Moreover, the cost of finding and correcting defects represents one of the most expensive construction activities. Ideally, potential defects are identified prior to construction or remedied in the field prior to occupancy and subsequent damage. Unfortunately, this is not always the case. It may not be possible to eliminate defects. However, we can minimize their number and impact on our projects.

LEARNING OBJECTIVES

1. Understand how to define, classify, and assign responsibility for defects.
2. Indicate common building enclosure issues in order to easily identify defects and system failures.
3. Experience the consequences of poor design, construction, and lack of maintenance through series of case studies.
4. Learn strategies for defect prevention, discovery, and resolution.

AUDIENCE: INTERMEDIATE CEU: 0.1

Operations and Maintenance Management

T2.41 • Room: 341

LEAN-ing into Facilities: Value Creation through Waste Elimination in FM

Darrell X. Rounds, FMA, Manager, Electrical and Mechanical Systems, Sustainable Workplaces, General Motors Company

Facilities Management practitioners are constantly looking for ways to make themselves, their technicians and their organizations as efficient as possible. They can do this in two ways: increase the quality of services rendered, and reduce waste that detracts from the quality of services they provide. This conversation looks to aid in this effort by exploring how lean practices can be applied in FM to optimize value.

LEARNING OBJECTIVES

1. Define what Lean is and its context within the Toyota Production System.
2. Identify and Define the eight forms of waste.
3. Identify and Define the major tenets of a Lean system.
4. Learn how Lean principles can be applied in FM to maximize value.

AUDIENCE: INTERMEDIATE CEU: 0.1



Wednesday, March 18th

8:00 - 9:00 AM

Disruption in Facilities Management

W1.14 • Room: 314

Smarter Buildings: Practical Steps for FMs

David Quirk, PE, LEED AP, CEM, Vice President and Managing Principal, DLB Associates

Smart technology has made tremendous gains in the past few years. Today, smart technology presents many opportunities to address specific problems facing facility managers, but many facility managers have found it challenging to move forward with specific projects. This session will offer practical advice about ways to take advantage of smart technology that is now available. The speaker will talk candidly about typical obstacles that hinder projects to make buildings smarter and share examples of approaches that have worked in a variety of organizations to move projects forward. The session will also offer an objective look at smart technologies that have an established track record and that can be deployed to address pain points in facilities. The speaker will also describe smart technologies that are poised for wider use in the next five years. Attendees will go home with ideas that they can implement now and a framework for action over the next five years to move toward the ideal of smart buildings.

LEARNING OBJECTIVES

1. Review examples of smart building technology now being used.
2. Find out how smarter technology can solve current operational problems.
3. Gain practical advice about ways to take advantage of smart technology.
4. Learn about a framework for action to move toward the ideal of smart buildings.

AUDIENCE: INTERMEDIATE CEU: 0.1

Business Management

W1.16 • Room: 316

Creating Your FM Legacy

Stormy Friday, MPA, Hon. FMA, IFMA Fellow, President, The Friday Group

Leaving an FM leadership position often is a difficult task for FM professionals. Having worked hard to establish themselves as leaders, FM executives may begin planning for their next career event or their impending retirement without giving sufficient attention to what they leave behind for their staff, their customers and their company. The necessity for a legacy is one of the greatest responsibilities, but the steps involved in creating one may appear daunting. This session focuses on both why an FM legacy is important and how to create one.

LEARNING OBJECTIVES

1. Identify the reasons why an FM legacy is important.
2. Explain how to know when it is time to begin preparing a legacy.
3. Develop a framework to establish a legacy.
4. Illustrate the necessary components of a legacy.

AUDIENCE: INTERMEDIATE CEU: 0.1

Asset Management

W1.18 • Room: 318

Future Ready Design - Building Enclosure Considerations

Paul Totten, P.E., Vice President, WSP | Parsons Brinckerhoff

Our ever changing climate presents new challenges for long term asset management of the building enclosure of our buildings. From higher temperatures, increased storm propensity, to heightened solar radiation, our systems are required to do more to separate the outside from inside environment. In addition to asset management planning, asset improvement is also critical. The speaker will discuss risks and solutions that can be implemented on design of new buildings, as well as retrofitting existing building infrastructure. Buildings are a critical shelter component, but also have a need to enhance the occupants' experience. Examples will be given for a wide range of building types.

LEARNING OBJECTIVES

1. Explain climate risks for buildings.
2. Understand durability and how to reduce risks on building enclosure systems.
3. Understand considerations for new design and retrofitting of existing assets, especially roofing.
4. Express risk in long term asset management planning.

AUDIENCE: INTERMEDIATE CEU: 0.1

Risk Management, Safety and Security Management

W1.24 • Room: 324

Hazard Awareness: What You Don't Know Can Kill You!

David A. Casavant, CFM, LEED AP, Executive Director, The Sustainable Workplace Alliance

Of one the most common complaints from safety professionals is how difficult it is to teach the workforce about OSHA standards and how to follow them. Perhaps we're approaching this incorrectly. Instead of trying to teach difficult-to-understand OSHA regulations, what if we learned the concept of hazard awareness. By using commonsense techniques, we can identify, evaluate and remove hazards even when the OSHA

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regulations are difficult to follow.

LEARNING OBJECTIVES

1. Identify the surprising problem with focus and why it may be encouraging incidents in the workplace.
2. Understand “Hierarchy of Control” and how it easily allows a non-safety expert to spot hazards.
3. Review the effective use the EH&S Improvement Cycle to change bad behaviors and encourage good behaviors.
4. Define hazards in the workplace and how to foster a safer working environment.

AUDIENCE: INTERMEDIATE CEU: 0.1

Business Management

W1.37 • Room: 337

Federal Buildings Personnel Training Act — Ten years after

Brian Gilligan, National Program Manager, General Services Administration

Patrick Dale, Management & Program Analyst/COR, General Services Administration

On the 10th anniversary of the FBPTA we will provide a short history of the program, including updates, achievements, challenges, and success stories. The leaders of the FBPTA program will share original program goals, milestones, and current level of agency implementation. We will share the evolution of the competency model, how modifications have been made, including newly added FBPTA competencies associated with cybersecurity. We will highlight the power of using Accelerate FM in your workforce development program, and succession planning. GSA will share their vision for the future of the FBPTA and how the program can benefit you and your organization.

LEARNING OBJECTIVES

1. Discover the benefits of the FBPTA program, competency model, and tools.
2. Explore free tools that direct you to the right training and career path.
3. Understand how emerging trends and technologies inform the evolution of the competency model.

AUDIENCE: BEGINNER CEU: 0.1

9:15 - 10:15 AM

Disruption in Facilities Management

W2.14 • Room: 314

How Climate Change Will Disrupt Building Design and Management

Elizabeth Beardsley, Senior Policy Counsel, U.S. Green Building Council

Because of the level of greenhouse gas emissions associated with commercial and institutional buildings, those buildings are crucial to efforts to mitigate climate change. And as new

evidence emerges of the impact of climate change, and of the rising risks of failure to act, pressure is mounting to make buildings more energy efficient. The result is that the way buildings are designed and operated is likely to be transformed. There are many forces of changes. Cities and states are passing laws to reduce the climate impact of buildings, as well as to require buildings to be better prepared for climate-related disasters. Energy codes and green building rating systems like LEED are becoming increasingly stringent. And new ways of thinking about design and operations are taking hold. For example, net zero energy buildings offer the opportunity for major reductions in energy use, while resilience strategies are increasingly needed in the face of a rise in weather-related disasters. This information-packed session will offer facility leaders a look at the many ways that the need to act on climate change will transform building design and operations. Climate change is an issue that won't go away. This session will help facility leaders prepare for changes that are coming, both in terms of improving energy efficiency and becoming more resilient to changes in the climate.

LEARNING OBJECTIVES

1. Review the connection between building energy consumption and climate change.
2. Learn about changes in codes and standards intended to drive energy efficiency.
3. Understand emerging strategies for making dramatic reductions in building energy consumption.
4. Find out about new laws and possible future measures to reduce the climate impact of buildings.

AUDIENCE: INTERMEDIATE CEU: 0.1

Business Management

W2.16 • Room: 316

Facility Extreme, Project Impossible: The Burj Khalifa, Dubai UAE

Mark O'Leary, PMP, LEED AP, Director of Project Management and Design, Corporate Real Estate Group

Sometimes when you take a look around you might find that your facility challenges may not be so bad compared to other facilities out there! Let's take a look at the tallest building in the world in a uniquely diverse community. What lessons can be gleaned by this look see? How do we manage diverse work teams? The vendors we depend so highly upon? Our own time management and priority setting?

LEARNING OBJECTIVES

1. Develop awareness and appreciation for extent of facility scope and responsibilities referencing an extreme facility.
2. Gain an understanding and an appreciation for project management of such an unusual, never before achieved undertaking.
3. Learn how others have had to build and manage diverse work teams.

4. Learn time management skills for optimizing your focus and effort when overwhelmed with work.

AUDIENCE: INTERMEDIATE CEU: 0.1

Business Management

W2.18 • Room: 318

Yes, You Can Control Your FM Career...We Did!

Winslow Harrington, LEED Green Associate, Chief Building Engineer, Public Theater, NYC

Teena Shouse, CFM, IFMA Fellow, Principal, FM Transitions

We are like you...we are male, we are female, we are black, we are white, but perhaps not like you, our careers started with trash...yes trash! We came from similar yet very different backgrounds but most of all we share the passion for FM...do you? Winslow Harrington and Teena Shouse will inspire you, make you laugh and encourage you to think about your own career. Teena (a sunsetting FM Professional) and Winslow (an emerging FM Professional) will share their stories but most of all will share great tips on how to develop your professional presence, grow your professional network, broaden your technical knowledge through specific educational resources, and discover who might be in your corner to better enable your success. Identifying these factors will certainly lead you to future opportunities, it did for us and we want to share. See you at the session!

LEARNING OBJECTIVES

1. Learn how to develop your professional presence.
2. Review how to grow your professional network.
3. Comprehend how to broaden your technical knowledge through specific educational resources.
4. Discover who might be in your corner to better enable your success.

AUDIENCE: INTERMEDIATE CEU: 0.1

Energy/Utility Management

W2.21 • Room: 321

Impact of LEED v4 Commissioning

Charlotte Metzler Assoc. AIA, Associate, WSP

Rodney Ashmore, Sr. Commissioning Project Manager, WSP

This session will take a look at the value of a facility adding LEED v4 scope to their project. The motivation to include the building enclosure in commissioned systems comes from an increased awareness of the important relationship between enclosure and MEP systems as key factors in energy usage, durability, and performance, as well as owners' desire to have these related systems commissioned. We will discuss the intent and requirements of LEED v4.1 and how they can affect the maintenance, warranty, and future budget for facilities.

LEARNING OBJECTIVES

1. Learn the requirements for fundamental and enhanced commissioning requirements under LEED v4.
2. Learn the benefits of integrating MEP-Cx and BECx into the

early design process.

3. Understand how building enclosure design and implementation can affect MEP systems.

4. Understand how being more involved in the commissioning process can affect their maintenance, warranty, and future budget for their facilities.

AUDIENCE: INTERMEDIATE CEU: 0.1

Safety and Security Management

W2.24 • Room: 324

Hiding Security in Plain Sight: The Puppy Movement

Doug Haines, MPSE, CEO, Haines Security Solutions

Criminal activities, including terrorism, have changed over the course of the last few years. Great strides have been made in electronic technologies but it's not enough to be able to identify past perpetrators through facial recognition in the public space. Privacy concerns are causing push-back on the use of surveillance and its broad collection of data. Besides, recent research shows that almost all electronic data is never used. It's collected, stored and eventually thrown away. Shouldn't we be using technologies that don't contribute to this waste? This session explores "soft security engineering" or in other words "non-electronic" techniques.

LEARNING OBJECTIVES

1. Identify and replace the use of electronic technologies with non-electronic design.
2. Learn four external concepts and five facade concepts that will reduce criminal activity, including hostile vehicle use and active shooter.
3. Learn what "triggers" the implementation of these "new" strategies.
4. Learn that a horizontal approach vice the current vertical approach will actually increase effectiveness of security applications.

AUDIENCE: INTERMEDIATE CEU: 0.1

Safety and Security Management

W2.27 • Room: 327

Reinventing the Patient Room

Avery Cashman, Facility Sales, Construction Specialties

Behavioral health and substance abuse are on the rise. Does your facility have adequate protection for patients and staff? To proactively and successfully manage behavioral health facilities, facility professionals need a better understanding of how patients view and experience their environments. Seeing the facility from the patient's point of view and learning how patients deconstruct the space to find opportunities to harm themselves or staff empowers facility managers to mitigate risk and protect occupants. During our panel discussion, we will explore methods for analyzing the effectiveness of facility design for patient and staff safety, and we will discuss how to improve or fix problem

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areas. Using products designed to be durable and customizable, as well as easy to clean and maintain.

LEARNING OBJECTIVES

1. Learn how to see your facility from the patient's perspective (what do they see/look for?) in order to identify and prevent potential problem areas.
2. Understand the negative and positive impact interior design choices have on the patient experience, and how to make the right choices that benefit everyone.
3. Learn how to protect the integrity of your facility by creating safe environments for staff and patients to avoid code violations and lawsuits.
4. Learn what products are right for your facility. Come away with an awareness for the various product options on the market, their strengths and weaknesses.

AUDIENCE: INTERMEDIATE CEU: 0.1

Business Management

W2.28 • Room: 328

What Facilities Managers Need to Know About In-Building Connectivity Now

Rich Berliner, Publisher, Connected Real Estate magazine
Greg Dial, Executive Vice President, Product and Market Strategy, JMA

Paul Fettuccia, President & General Manager, ANS Advanced Network Services

Art King, Director of Enterprise Services, Corning Optical Communications

Jon Reedy, Managing Partner, Neutral Path Networks

Oliver Valente, CEO & Founder/President, Airtower Network

Everyone is talking about 5G, but the real arrival is years off. There are almost no phones out yet and there are no working 5G networks available with good coverage. There is no equipment being made for 5G inside your building at this time. But there are many new technologies and frequency bands that are available and can work inside commercial real estate. We will cover topics such as Fiber, DAS, small cells, CBRS, IoT, WIFI 6, and more to educate and inform. We will make sure that participants understand their options for making their tenants happy.

LEARNING OBJECTIVES

1. Review how to make sure tenants have great wireless coverage in buildings.
2. Recall options for wireless coverage today to make proptech and tenant amenity platforms work.
3. Understand the acronyms that are being used by tech and telecom professionals.
4. Indicate if you should wait for 5G to make any moves in your buildings.

AUDIENCE: BEGINNER CEU: 0.1

Business Management

W2.37 • Room: 337

FBPTA In Action: Agency Case Studies

Marco Goodman, Chief, Facility Management Division, U.S. Army Corps of Engineers Logistics Activity (ULA)

James Johnson III, Management Analyst, Social Security Administration's (SSA) Office of Buildings Management

Claude Lacombe, PPM, FMP, Team Leader, Social Security Administration's Office of Buildings Management

Maureen K. Roskoski, SFP, LEED AP O+M, Senior Professional, Facility Engineering Associates

Several federal agencies will share their stories on how they identified goals, gained leadership buy in, and worked with GSA to align their professional development program to the FBPTA model. You will hear how the Social Security Administration has implemented this program across its agency including positions such as Building Managers, Utility Systems Repair Operators, Project Managers, and recently adding trades positions such as Carpenter, Electrician, and Plumber. Representatives agencies will share why they are implementing FBPTA and how they are building their program. We will share how the agencies navigated through challenges and the benefits of incorporating FBPTA into their existing programs.

LEARNING OBJECTIVES

1. Participants will discover how federal agencies are implementing the FBPTA requirements.
2. Participants will learn how the FBPTA competency model can be adapted to fit individual agency needs.
3. Participants will gain the ability to build a business case for training.

AUDIENCE: BEGINNER CEU: 0.1

Operations and Maintenance Management

W2.39 • Room: 339

Office Furniture in the Circular Economy

Doug Pilgrim, LEED AP ID+C, New Business Development and Sustainability Manager, Davies Office

The office furniture industry is an ever-changing marketplace and this changeability has produced huge amounts of unwanted furniture. Remanufacturing addresses the waste, cost, and storage that comes with replacing office furniture. This course looks at trends in the office furniture industry, the environmental impacts created by legacy furniture, and a review of the environmental and economic benefits of remanufactured furniture as an alternative to scrapping, downcycling, or discarding to landfill.

LEARNING OBJECTIVES

1. Explain past and current trends in office furniture.
2. State the effect that legacy office furniture can have upon the environment.
3. Discuss what remanufactured furniture is and how to

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differentiate it from “as is” and refurbished furniture.

4. Recall the environmental and economic savings of remanufactured furniture.

AUDIENCE: INTERMEDIATE CEU: 0.1

Operations and Maintenance Management

W2.41 • Room: 341

Facility Impacts of Increasing Occupant Density

Jesse Fisher, PE, CPD, Senior Engineer, WB Engineers+Consultants
Raymond Doyle, Principal, Director of Engineering, WB Engineers + Consultants

With changes to the way businesses operate and teams collaborate, work and integrate technology, design trends have shifted towards more densified workspace. 10 years ago, 200 sq. ft. per person was a safe assumption for typical office space. It is now common to see spaces designed for double this. High occupant density requires changes to existing facilities and infrastructure to support increased ventilation, impacts on plumbing fixture counts, and egress requirements. This presentation will explore how to support these needs within existing facilities and explain why increased occupant density has minimal impacts on electrical distribution and HVAC system capacity.

LEARNING OBJECTIVES

1. Understand the potential impacts and pitfalls of developing new densified workplaces within your facilities and identify ways to proactively avoid these pitfalls.
2. Identify lease term items for increase occupancy loads that satisfy new code requirements and tenant expectations.
3. Recognize design changes that accompany new densified workplace standards when accommodating for 80 — 100 sq. ft. per person.
4. Learn ways to navigate fixture counts and egress issues for code compliance with restrictive base building infrastructure that does not account for added occupants.

AUDIENCE: INTERMEDIATE CEU: 0.1

10:30 - 11:30 AM

Disruption in Facilities Management

W3.14 • Room: 314

Embracing our Inner Disruptor

Alana Dunoff, FMP, IFMA Fellow, ProFM, President, AFD Facility Planning
Lesley Groff, CFM, Sr. Supervisor Buildings & Grounds, UGI Utilities, Inc.

Are you a disrupter? Do you know what a disrupter is? According to the latest innovations in the business world, disrupters are those who challenge current organizational habits and work to find positive alternatives; uprooting and changing how we think, behave, do business, learn and go about our day-to-day. Sounds an awful lot like what many FMs

do on a regular basis. This engaging session will explore our need as FMs to understand, embrace and become positive disrupters in our organizations. We will discuss and share the roles we play in planning, managing and implementing the change associated with disruptive innovation.

LEARNING OBJECTIVES

1. Define what is a disrupter and how it relates to our jobs in Facility Management.
2. Understand how to identify and embrace positive disrupters and disruptive innovative in your organization.
3. Understand the relationship between disrupters/disruptive innovation and change management.

AUDIENCE: INTERMEDIATE CEU: 0.1

Business Management

W3.16 • Room: 316

21st Century Facilities Management: Three Steps to Mastery

Brian Braudis, President and Chief Enabling Officer, The Braudis Group

We live in an age of unprecedented opportunity. You can rise to the top no matter where you start out. This opportunity is also laced with responsibility. Companies won't manage your career. You keep yourself engaged, productive and relevant. You are responsible for a career well spent, so when you look back, you are happy, fulfilled and proud of your legacy. To be successful you have to become the “CEO of You.” We will learn three steps to build the mindset, skillset and toolset to enjoy a meaningful and purposeful career as a 21st Century Facilities Manager.

LEARNING OBJECTIVES

1. Define what is different and why more effort is required today.
2. Learn what to do to ensure a long career of productivity, performance and how to stay relevant in a fast-changing world.
3. Summarize how to recognize daily pitfalls.
4. Gain a new mindset, skillset and toolset to apply afterward.

AUDIENCE: ADVANCED CEU: 0.1

Business Management

W3.18 • Room: 318

Turning the Tables: Getting Top Management's Attention to Approve Projects

Mohamad Jamal, P.E. MBA, CxA, President and Chief Mechanical Engineer, A.J. Adam Engineering, LLC
Richie Stever CHFM, Director of Operations and Maintenance, University of Maryland Medical Center

As a facility manager, there are many projects you'd like to start including energy efficiency, simplifying operations, increasing occupant satisfaction, etc. But it's hard to get your top management to listen. They focus more on the organization's core business and not facilities. If only you could get the C-Suite to pay attention, play it right, show how to save on the bottom

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line, and suddenly top management will be asking you for more. We will share proven strategies to get top management's attention, speak the language they understand, and start you on your way, using a real case study.

LEARNING OBJECTIVES

1. Identify the key information top management needs to understand in order to justify approving a project.
2. Understand strategies you can use to effectively communicate your facility's, needs, goals, and objectives to top management in terms that make sense to them.
3. Develop the ability to rank potential initiatives and projects with regard to the value added to your organization, and to top management.
4. Understand techniques for developing collaboration in your team to identify and evaluate viable facilities improvement projects.

AUDIENCE: BEGINNER CEU: 0.1

Operations and Maintenance Management

W3.21 • Room: 321

The New WELL Building Standard Impacts Operations

The new WELL building standard protects occupants from unwanted negative effects of our buildings. Facility Managers can directly improve the productivity of occupants by understanding these principals. This is an overview of the WELL concepts and a case study of how they can easily be implemented in the workplace.

LEARNING OBJECTIVES

1. Recognize the new WELL Building Standard of the US Green Building Council.
2. Define the factors that impact human health and well-being.
3. Evaluate actual examples of the seven concepts as demonstrated in a case study.
4. Demonstrate how Facility Managers can improve occupant productivity.

AUDIENCE: INTERMEDIATE CEU: 0.1

Safety and Security Management

W3.24 • Room: 324

Are Your Qualified Workers Truly NFPA 70E Qualified?

Doug Tellin, Owner, Electrical Safety Specialists, LLC

This session will be used to help your team better understand the NFPA 70E's requirements to qualify your employees within the workplace. We will accomplish this by discussing not only what the NFPA 70E requires from a training standpoint, but also from an assessment standpoint. We will also discuss how to satisfy OSHA's mandates and regulations as they pertain to electrical safety.

LEARNING OBJECTIVES

1. Identify the latest training requirements for employees that work on or near electrical hazards.
2. Achieve a better understanding of NFPA 70E definitions pertaining to Arc Flash Assessments and Arc Flash Hazards.
3. Review the latest changes in PPE requirements for arc flash hazards.
4. Recognize many of the significant changes in the recently updated NFPA 70E.

AUDIENCE: INTERMEDIATE CEU: 0.1

Operations and Maintenance Management

W3.27 • Room: 327

Infection Prevention: Protecting Patients Through Proper Cleaning, Construction, and Design

Shari Solomon, Esq., President, CleanHealth Environmental

Over the past decade, a growing body of evidence suggests that contamination of environmental surfaces throughout healthcare facilities plays an important role in the transmission of key healthcare associated pathogens, including methicillin-resistant Staphylococcus aureus (MRSA), Clostridium difficile (c. diff), and norovirus. The emergence of new superbugs and the rise of antibiotic resistance creates even more of a need surrounding infection prevention practices. Evidence suggests that environmental contamination contributes to healthcare associated infections (HAIs) through a variety of pathways, including surface contamination and improper operations and maintenance practices, creating the risk of transfer of pathogens to patients, visitors, and healthcare workers. Implementation of best practices regarding proper surface cleaning & disinfection, design and facility maintenance, have shown encouraging results towards minimizing HAIs.

LEARNING OBJECTIVES

1. Discuss the basics of healthcare-associated infections.
2. Review the modes of transmission.
3. Name best practices surrounding disinfection and maintenance of healthcare facilities.
4. Review of emerging trends in design and technology.

AUDIENCE: INTERMEDIATE CEU: 0.1

Smart Building Technologies

W3.28 • Room: 328

Use a Smart Building Implementation Model to Transform the Built Environment Where People Live, Work, Learn and Heal

Todd Boucher, Principal, Leading Edge Design Group

Many organizations that recognize the value of smart buildings focus their efforts on identifying, piloting and deploying technology solutions first. Doing so without completing the difficult work of defining the impact of smart building adoption

on your organization and the cultural change required to do so will limit the effectiveness and longevity of any technology implementation. Organizations ready to begin the implementation process should follow a Smart Building Implementation Model, which will provide a realistic framework for ensuring lasting adoption of smart building technology and assure an innovative, personalized experience for occupants.

LEARNING OBJECTIVES

1. Express the steps in the smart building implementation model that will lead to success.
2. Explore how changing occupant demands across many industries should be taken into account for developing specific technology requirements.
3. Learn how to build a successful interdisciplinary team that will take your strategy from ideas to implementation.
4. State what to expect once a smart building is implemented.

AUDIENCE: INTERMEDIATE CEU: 0.1

Risk Management

W3.37 • Room: 337

Cybersecurity Basics for Building Personnel

Wanda Lenkewich, President, Chinook Systems Inc.

Facility managers and building operators are more dependent on digital technologies to run buildings and monitor efficiency and costs. Technology has improved exponentially during the last 10 years, providing facility managers with more sophisticated tools, which comes with an increased possibility of disruption through cyber-attacks. We will discuss how to conduct cybersecurity and risk assessments for building systems, including inventory of critical assets, and identification of vulnerable systems. We will also walk you through a cyber-attack that occurred through a building automation system and how to prevent it.

LEARNING OBJECTIVES

1. Participants will gain a general understanding of cybersecurity and risk assessments for building systems.
2. Participants will develop an awareness of the role facilities personnel play in risk assessment and cybersecurity.
3. Participants will discover controls systems cybersecurity principles.

AUDIENCE: BEGINNER CEU: 0.1

Operations and Maintenance Management

W3.39 • Room: 339

Polished Concrete and Industrial Spaces and Large Sq. Ft.: It's Possible

Jennifer Faller, Concrete Surface Expert | Technical Consultant, LGM and Associates-Technical Flooring Services

Polished Concrete is currently known as a highly durable, high traffic, light reflective flooring choice. This session will introduce the three subcategories of polished concrete in detail, highlighting the differences and benefits of each. The goal is to let it be known that polished concrete can be installed

three ways: good, better and best. All three are defined by the Concrete Polishing Council (this will be a hangout) and have significantly different price points. Facilities Managers will be able to get rid of flooring problems, repair once and not again six months later and clean their floors like never before.

LEARNING OBJECTIVES

1. List what polished concrete is and is not and learn about the benefits and shortcomings of polished concrete.
2. Learn that there are choices when choosing Polished Concrete: bonded abrasive, hybrid and burnished polish concrete.
3. Identify which concrete flooring environments are candidates for polished concrete and which subcategory is suited best for that area.
4. Briefly learn how to clean and maintain polished concrete.

AUDIENCE: INTERMEDIATE CEU: 0.1

Operations and Maintenance Management

W3.41 • Room: 341

Photovoltaics and Their Impact on Roofing Assemblies

Steven Bohlen P.E., RRC, RWC, BECxP, Associate, Gale Associates, Inc.

As demand for renewable energy is increasing, photovoltaic (PV) arrays are being installed on roof areas more frequently. Proper planning can greatly reduce the potential for roof leaks, voided roof warranties, structural damage, and unnecessary expenses. This presentation will discuss evaluating the existing roof system and planning for the installation of a roof top PV system, selecting the appropriate PV system for the building, designing the PV system attachment to the building and roof, designing roof repairs or roof replacement in conjunction with the PV installation, maintaining the roof and PV arrays, and evaluating the costs associated with each phase.

LEARNING OBJECTIVES

1. Describe how proper planning when considering installing PV arrays can greatly reduce the potential for roof leaks, voided roof warranties, structural damage, and unnecessary expenses.
2. Identify the available options for PV systems and attachments, and roof manufacturer limitations.
3. Outline the condition and warranty duration of the existing roof system, the available capacity of the existing structure.
4. Understand life safety for maintenance, fire safety, and the appropriate coordination of the various tradesmen before, during, and after construction.

AUDIENCE: INTERMEDIATE CEU: 0.1

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3:45 - 4:45 PM

Disruption in Facilities Management

W4.14 • Room: 314

Workplace Transformation: New Imperatives Are Reshaping the Office

Andrea W. Kent, LEED AP, Corporate Real Estate & Workplace Services, Workplace Solutions, T. Rowe Price Associates, Inc.
Vincent Ng, Principal and the Director of Interiors, HOK
Kelly Spinola, Global Product Manager in Workplace Management, JLL
Edward Sullivan, Facility Group Editor, *Building Operating Management Magazine*

The workplace is expected to do more than ever before. Organizations look to the workplace to support employee collaboration and productivity, to enhance the occupant experience, to serve as a tool to attract and retain employees. Technology is a big part of the new equation. The workplace must not only seamlessly support the technology that workers use, it is increasingly expected to offer apps and other tools to help employees, as well as technology to improve facility department performance. At the same time, facility leaders are under pressure to reduce real estate costs and to consider new options like coworking spaces. This session is designed for facility leaders who are responsible for ensuring that their workplaces offer a competitive advantage for their organizations. The panelists will examine key factors that are shaping the office workplace today. The session will explore the future of workplace and offer practical advice to help facility leaders plan for and drive change in the workplace.

LEARNING OBJECTIVES

1. Understand the variety of forces that are coming together to transform the workplace environment.
2. Learn strategies for planning for the future and overcoming obstacles to workplace transformation.
3. Find out how typical office workplaces will change in the next five years.
4. Understand the role of facility leaders in guiding and driving change.

AUDIENCE: INTERMEDIATE CEU: 0.1

Energy/Utility Management

W4.16 • Room: 316

What's next in green building performance & LEED?

Melanie Mayo-Rogers, Director, Facilities, U.S. Green Building Council
Ryan Snow, Director, Market Transformation & Development, U.S. Green Building Council

Green building practices are not limited to new facilities. The largest opportunity for savings and performance exists throughout a building's life. This session is a crash course on tools, strategies and opportunities to address green building within facility operations and maintenance - whether you're just

getting started or are already leading in building performance. Effective strategies and honest lessons learned will be shared from the US Green Building Council's own facility manager from their lead platinum space. Even with in high-performing spaces there is always an opportunity for improvement.

LEARNING OBJECTIVES

1. Describe how the green building industry and LEED are evolving.
2. Explain why focusing on operations and maintenance are a critical green performance strategy, even for buildings not designed to be green.
3. Access performance tools to assess your facilities' performance against LEED.
4. Apply strategies for improved performance in energy, water, waste, transportation and human experience.

AUDIENCE: INTERMEDIATE CEU: 0.1

Business Management

W4.18 • Room: 318

New Job or New Hire? Top 10 FM Skills to Prioritize for Onboarding

Stormy Friday, MPA, Hon. FMA, IFMA Fellow, President, The Friday Group
John Hajduk, MBA, ProFM, Vice President, Facilities Services, Sodexo
Stanley G. Mitchell, FMIFM, FRICS, IEng, CEO, Key Facilities Management
Randy Olson, VP of Global Business Development, ProFM Credential

Whether you're hiring new FM staff or are transitioning to a new position yourself, the onboarding period is the perfect time to build confidence and enhance the FM skill set through training. A 2019 study asked both employers and employees to identify their top priorities for FM training. Discover the top 10 knowledge and skill priorities for each group. Learn more about these topics and why they're critically important from top global FM experts.

LEARNING OBJECTIVES

1. Identify the 24 knowledge areas and skills that encompass the FM skill set.
2. Discover the top 10 training priorities for both employers and employees.
3. Learn more about the FM topics identified as critical.
4. Gain ideas on how to incorporate training into your onboarding process.

AUDIENCE: INTERMEDIATE CEU: 0.1

Business Management

W4.21 • Room: 321

Sustainable Challenges and Best Practices, the Path to a Healthy Bottom Line

Richard Anderson, Principal, CQI Associates
Implementing a sustainability program can be a challenge

due to the complexity of existing processes and procedures. The financial impact can initially appear as an impediment to success. By applying proven best practices from industry leading organizations, changes can be realized. Proven sustainability practices can reduce your bottom line cost.

LEARNING OBJECTIVES

1. Define the existing “take, make, dispose” challenges to implementing a sustainability plan.
2. Recognize examples of proven sustainable best management practices.
3. Outline fundamental steps to implementing a plan over the next 24 months.
4. Recall a financial model showing that the reduction in operating costs will result in a healthier workplace and healthy bottom line.

AUDIENCE: BEGINNER CEU: 0.1

Asset Management

W4.24 • Room: 324

Variable Frequency Drive Basics: What you need to know

Thomas Shircel, HVAC Business Development Manager, ABB Inc

An introduction to Variable Frequency Drives (VFD), why use a VFD, How VFD's work, Effects on VFD's on power lines and harmonic, VFD control, common installation guidelines, troubleshooting, and maintenance.

LEARNING OBJECTIVES

1. Understand how a Variable Frequency Drive can save money.
2. Review how a Variable Frequency Drive works.
3. Discuss the effects on building power system.
4. List basic installation and troubleshooting techniques.

AUDIENCE: BEGINNER CEU: 0.1

Business Management

W4.27 • Room: 327

Home Base: Embracing High Performance Workspace in Behavioral Health

Laura Lakin, Director of Business Analytics, Home Base, a Red Sox Foundation and Massachusetts General Hospital Program
Joseph Flynn LEED AP, Senior Associate, Workplace Strategist, Margulies Perruzzi

Behavioral health institutions face challenges when aligning the human needs of patients with the professional requirements of clinicians. Home Base, an MGH behavioral health program serving veterans with PTSD, decided to embrace a high-performance design for a new clinic. After a practice usage analysis, Home Base pursued an address-free environment that carefully separated patient/public and staff/private spaces. The design provides flexible space with technology, promotes a “living room” feel, and maximizes patient privacy. This session will use the Home Base case study for pursuing innovative workplace strategies in behavioral health environments.

LEARNING OBJECTIVES

1. Explore what clinical and administrative factors must be considered when adopting a high-performance based behavioral health center.
2. Evaluate specific design tools that can be used to ensure security and privacy are achieved when designing a more open, flexible clinic.
3. Understand how built-in design flexibility enables a variety of clinical and administrative functions to integrate more seamlessly.
4. Learn how technology supports a successful user experience for both patients and staff/caregivers.

AUDIENCE: INTERMEDIATE CEU: 0.1

Energy/Utility Management

W4.28 • Room: 328

Funding Your Energy Project with Newly Extended Tax Incentives

Jacob Goldman, LEED AP, Vice President, Energy Tax Savers, Inc.

EPA Act 179D has been extended. This presentation is designed to explain how to prioritize taking the tax deduction for building owners' 2018 and 2019 energy efficiency projects as well as techniques for justifying 2020 energy efficiency projects and beyond. These topics will cover new construction, retrofit/renovation as well as government projects. We will also discuss how building owners and managers can strategically use the above-mentioned incentives to significantly decrease the amount of time it takes to recoup their investment on building equipment, particularly those items related to the energy systems in the building.

LEARNING OBJECTIVES

1. Review the newly extended tax incentives related to energy efficiency.
2. Learn techniques to justify energy efficiency projects.
3. Introduce techniques for prioritizing 2018 and 2019 completed projects.
4. Legislative update on existing and proposed tax incentives related to buildings.

AUDIENCE: INTERMEDIATE CEU: 0.1

Energy/Utility Management

W4.37 • Room: 337

Bringing Water Efficiency Back to Front of Mind

Paul Bassett, Vice President, Water Efficiency, ENVOCORE

Water is a scarce resource and improving how water is managed is the key to ensuring supplies are available for the long-term. We will provide you with strategies to evaluate your water consumption and create a comprehensive water management program. We will explain water efficiency principles and how to conduct both wholistic building level (top-down) and systems perspective (bottom-up) audits. The session will dive into topics on implementing successful water projects and introduce more advanced approaches to water management. You will walk away

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with a tool-kit of resources to help you get started.

LEARNING OBJECTIVES

1. Participants will gain a general understanding of basic water efficiency principles.
2. Participants will discover how to conduct a water audit from both wholistic building level (top-down) and systems perspective (bottom-up) audits.
3. Participants will learn water efficiency project implementation practices.

AUDIENCE: BEGINNER CEU: 0.1

Operations and Maintenance Management

W4.39 • Room: 339

Teaching Maintenance Employees the Art and Science of Troubleshooting

Thomas Davis, Mechanical Engineer, Maintenance Troubleshooting International

“How do you teach someone how to troubleshoot?” is one of the most asked questions posed by maintenance and facilities managers. Troubleshooting is both an art and science, but it can be taught. People can develop a troubleshooting mindset by exposure to logical problem solving. Training saves the day. Learn how generic machinery based training can give your employees a critical skill to reduce downtime and resolve the real issues in electrical and mechanical equipment.

LEARNING OBJECTIVES

1. Realize that troubleshooting can be taught and people can acquire this critical skill.
2. Understand both machine based and generic troubleshooting and why you need to provide both to your employees.
3. Learn to use your facilities’ troubleshooters to solve the long term problems not just short term fixes.
4. Show how to use of as many FREE services and techniques to keep your troubleshooting training within your budget.

AUDIENCE: INTERMEDIATE CEU: 0.1

Operations and Maintenance Management

W4.41 • Room: 341

3D Printing for Historic Preservation and Building Maintenance Combining Laser Scanning, Drone Mapping and 3D Modelling

Amr Raafat, Director of Virtual Design & Construction, Windover Construction

This session will highlight the innovative solution unifying laser scanning, BIM and manufacturing of elements. A case study of renovating the facade of a 100-year-old building utilizing laser scanning, drone mapping and BIM modeling will be discussed and we will detail how 3D printers, CNC machines, robotic arms and more were utilized. As part of our renovation and restoration work on the Essex County Club in Massachusetts founded in 1893, we are replacing the original ornaments and unique facade architectural design elements on the front facade. The

session will explain how Windover’s VDC team laser scanned the historic facade components and combined laser scanning, Drone mapping and 3d modeling capabilities to help preserve the original design features to produce a high-quality product that will stand for another 100 years.

LEARNING OBJECTIVES

1. Develop a deeper understanding on how to unify a broad spectrum of BIM technologies with product development and manufacturing to transform how we build.
2. Define techniques and methods on how to laser scan and 3d model for 3d printing.
3. Highlight the case study lessons learned during the BIM workflow and development process from combining drone mapping, laser scanning for 3D printing.
4. Demonstrate with videos and photos the workflow from scan to BIM to manufacturing and the collaboration throughout the making process.

AUDIENCE: BEGINNER CEU: 0.1

Business Management

W4.BA • Room: Ballroom

2020 Women in Facilities Management Panel

Jana Brooks, Manager, Event and Tenant Services, Maryland Stadium Authority

Maria Gonzalez-Burgos, Director of Workplace Engineering Management, Sodexo

Harriet McGraw, CFM,, Director, Enterprise Services, BlackRock
Moderator: Naomi Millan, Senior Editor, *Building Operating Management Magazine*

One of the most powerful and honest sessions at NFMT, Women in Facilities Management brings together a panel of women with widely-varied career paths to talk about their experience coming up in the industry, their strategies for success, and the ways they bring their whole selves to bear on the profession. It’s a highly collaborative session — join the discussion, addressing fears and frustrations, as well as sharing wins and championing the increased presence and leadership of women in facilities management. All attendees are welcome at this ever-popular session!

Sponsored by:



LEARNING OBJECTIVES

1. Discuss the impact of women in FM roles.
2. Review career advancement opportunities.
3. Identify effective communication strategies.
4. Clarify solutions to common challenges in facility management.

AUDIENCE: INTERMEDIATE CEU: 0.1

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CONFERENCE SESSIONS

Thursday, March 19th

You are invited to the Thursday General Session...

8:00 – 9:00 AM

Business Management

RG.GS – Ballroom

Creating an Inclusive and Welcoming Environment

Diversity and inclusion are emerging as critical strategies for developing the workforce of the future and for maximizing the performance of current staff. In many organizations, facility staff has stayed on board for years, even decades, providing professional expertise and institutional memory that will not be easy to replace. Given the retirement of the baby boom generation and the tight labor market, it's clear that the most successful facility teams of the future will be more diverse in terms of ethnicity, religion, gender identity, disability, and other factors. So facility leaders should understand what it means to be open to candidates of all backgrounds. Then it's important to take steps to attract and provide support to a diverse team. This session will provide practical advice, drawn from the experiences of facility departments, about diversity and inclusion, including recruiting from a wider pool of candidates, making all employees, whatever their background, feel valued and welcome, and understanding invisible barriers. This session will show how diversity and inclusion can improve the performance of a facility department by serving as an employee success strategy that puts everyone on the team in a position to succeed.

LEARNING OBJECTIVES

1. Understand the need for diversity and inclusion in facility management.
2. Discover ways to draw from a more diverse pool of candidates.
3. Identify the problem of invisible barriers to inclusion.
4. Learn practical steps to support a diverse facility workforce.

AUDIENCE: INTERMEDIATE CEU: 0.1

SPEAKERS

KYLASH RAMESH

Management Analyst, Division of
Facilities Operations & Maintenance,
National Institutes of Health

LINDA GREEN, JD, MPA, V.P.

Facilities/Environmental Services,
Queens Public Library

EDWARD SULLIVAN

Facility Group Editor
Building Operating Management
Magazine

Thursday, March 19th

9:15 - 10:15 AM

Disruption in Facilities Management

R1.14 • Room: 314

Standardization of Facilities Management Around the World

Stan Mitchell, CEO, Key Facilities Management

Standardization is usually not a disruptor but for an industry that has never had a global standard, creating standards will cause disruption. Within the past three years, ISO standards relating directly to facilities management have been published to help create a global standard. Two additional standards are being ready to be published: ISO/AWI 41014, Facility management - Development of facility management strategy and ISO/AWI 41015, Facility management - Influencing behaviors for improved facility outcomes and user experience. Attend this session to learn about the published ISO standards. Hear directly from technical committee member about the standards that are about to be published and the concepts they are considering for new standards.

LEARNING OBJECTIVES

1. Review how globalization has created a need for standards.
2. Understand the previously published ISO standards.
3. Discuss ISO/AWI 41014 and ISO/AWI 41015 standards.
4. Learn about what will be the next Facilities Management standard.

AUDIENCE: INTERMEDIATE CEU: 0.1

Business Management

R1.16 • Room: 316

Using Social Media to Connect with Stakeholders

Laura Kirkendall, Service Center Representative, Facilities Management, Western Michigan University

Nick Schrader, Visual Communications Manager, Infrastructure Planning and Facilities, Michigan State University

Fred Woodhams, Communications and Learning Manager, Infrastructure Planning & Facilities, Michigan State University

Moderator: Greg Zimmerman, Executive Editor, *Building Operating Management*

Social media is not just what your kids use to goof around with their friends. These days, when used effectively, social media platforms like Twitter, Facebook, LinkedIn, and many more, can have huge value for large facilities departments. This session will showcase a few facilities departments using social media successfully. It will highlight best practices and tips for attendees to bring back to their own operations.

LEARNING OBJECTIVES

1. Understand how and why to create facilities department social media accounts.
2. Review what content with connect with stakeholders.
3. Learn the benefits of using social media.

AUDIENCE: BEGINNER CEU: 0.1

Business Management

R1.18 • Room: 318

2020 — Setting a Clear Vision for your Facility Management Program

John Rimer, CFM, President, FM360

With the constant busyness of every day facility life, it is all too easy to get mired in the weeds, losing sight of the forest for the trees (or for many departments, getting lost in the smoke of firefighting.) In this educational session, we will discuss the value of crafting a clear direction for the facility team and provide steps for developing & marketing such, so that you and your staff can partner together to drive your program forward in this new year.

LEARNING OBJECTIVES

1. Identify the value and need of a facility vision.
2. Discuss steps for drafting a facility vision.
3. Develop plan for marketing and selling a clear direction for the team.
4. Discern ways to incorporate vision into operations program.

AUDIENCE: INTERMEDIATE CEU: 0.1

Energy/Utility Management

R1.21 • Room: 321

How Greene Team Pellet Monetized their Flexible Load

Bill Kenworthy, Head of Product Strategy, Centrica Business Solutions

Greene Team Pellet Fuel Company manufactures wood pellets, at their production site in Greene County, PA, which are used as a sustainable energy source in over one million homes across the US. Their wood pellets are considered a carbon neutral energy source, as they produce no more carbon when it is burned than it absorbed in its life cycle. Greene Team Pellet needed an electricity supply that was reliable, cost-effective and supported their operational requirements, which Direct Energy Business was able to offer. From there Centrica Business Solutions helped Greene Team Pellet identify opportunities to generate maximum savings and revenues from their operational

CONFERENCE SESSIONS

Thursday, March 19th

flexibility. Smart automation technology was introduced to link and integrate their onsite control systems to PJM, which was supported by PowerRadarTM – our state of the art energy management platform. Greene Team’s participation in the program has resulted in substantial savings on their energy bill, as well as new, recurring revenue streams with no impact on their core business operations.

LEARNING OBJECTIVES

1. Express how Greene Team Pellet works to help facility managers gain insights to energy use throughout a facility.
2. Learn how the Greene Team Pellet used this technology to keep their costs low and extend the life of their equipment.
3. Gain insight into how to look at the data Panoramic Power provides and make decisions based off that information.

AUDIENCE: BEGINNER CEU: 0.1

Safety and Security Management

R1.24 • Room: 324

Active Shooter Seminar and/or DHS/CISA Protective Security Advisor (PSA) Mission and DHS Tools/Assessments/Training

Raymond Hanna, PSA, Protective Security Advisor, Protective Security and Coordination Division, U. S. Department of Homeland Security

In the midst of the chaos, anyone can play an integral role in mitigating the impacts of an active shooter incident. This seminar will provide instruction on “How to Response to an Active Shooter” utilizing the DHS - Run/Hide/Fight Methodology. Additionally, the seminar will include information on the “If you See Something, Say Something” Program as well as “Workplace Violence”. Attendees will learn what actions they can take as a civilian during an Active Shooter incident. Attendees will also learn what possible behaviors/activities that should be recognized/reported relative to the See Something/Say Something Program and Workplace Violence.

LEARNING OBJECTIVES

1. Identify courses of action that civilians should take during an Active Shooter incident to help mitigate the consequences of such an incident.
2. Identify suspicious behaviors/activities that should be recognize relative to the DHS - See Something/Say Something Program, and who/how to report those suspicious behaviors/activities.
3. Recognize behaviors/activities/indicators that may indicate possible work place violence and/or an insider threat.
4. Define the different security measures/posture between “Soft” and” Hard” target facilities in the (16) DHS - Critical Infrastructure (CI) Sectors.

AUDIENCE: INTERMEDIATE CEU: 0.1

Risk Management

R1.27 • Room: 327

Indoor Environmental Quality, Building Health, and Comfort

Brian Gilligan, National Program Manager, General Services Administration

Nora Wang, PhD, Senior Engineer; Associate Program Manager for Building Efficiency, Pacific Northwest National Laboratory

This session will review current building health and comfort research. The U.S. General Services Administration (GSA) is piloting an approach to apply advanced technologies (from research projects’ methods) to a pre/post occupancy program for all GSA renovations. Panelists will discuss building and occupant health as well as ideas and best practices to inform our efforts in building renovation, design, construction, and maintenance. We will discuss how building systems can add to building resiliency in the face of extreme events.

LEARNING OBJECTIVES

1. Understand the relationship of common energy efficiency measures and healthy building strategies in four major areas: indoor air quality, lighting, daylighting/view, and thermal comfort.
2. Learn to assess a building’s “health” performance using key performance indicators that can be obtained through an energy audit and site walkthrough.
3. Understand a method to measure and track long-term occupant health outcomes consistently across a portfolio of buildings.
4. Learn to evaluate the overall cost benefits of building retrofits considering their impact on occupants and energy consumption.

AUDIENCE: INTERMEDIATE CEU: 0.1

Smart Buildings

R1.28 • Room: 328

Maximizing Your Team’s Efficiency with a Well-Designed BAS

Chris Lane, Director, Metasys Product Management, Johnson Controls, Inc.

Today’s facilities teams are consistently being pressed to do more with less. Compound that with incoming wave of younger, less experienced workers, it’s now more critical than ever that a team’s BAS works the way they do – and not the other way around. During this session, Chris Lane, Director Product Management at Johnson Controls, will demonstrate how an intuitively-designed BAS can help your team maximize their efficiency and reduce their time on task.

LEARNING OBJECTIVES

1. Review how to reduce the learning curve – a well-designed system eliminates time-consuming and expensive training.
2. Learn how to leverage your BAS for faster troubleshooting.
3. Explain how to quickly and easily understand the cyber health of your system – before critical issues arise.

4. Understand what to look for in a leading BAS provider.

AUDIENCE: INTERMEDIATE CEU: 0.1

Asset Management

R1.37 • Room: 337

Total Cost of Ownership Implementation

Dana Smith, FAIA, Director, DKS Information Consultants, LLC

Over the past few years we have discussed the ANSI recognized APPA 1000™ TCO Standard Parts 1 & 2. Now that the standard has been released in its total, it is time to discuss how you implement the standard. What do you need to do in your organization to get from a first cost centric approach to a total cost approach? This session will provide a brief review of the standard and then go into depth about how you transform your organization. Anyone who has responsibility for facility or infrastructure assets should attend this event.

LEARNING OBJECTIVES

1. List the ANSI recognized APPA 1000™ TCO standards.
2. Review the scope of Total Cost of Ownership.
3. Express how to move your organization from First Cost to TCO for decision making.
4. Explain what a full implementation of TCO looks like.

AUDIENCE: INTERMEDIATE CEU: 0.1

Risk Management

R1.39 • Room: 339

Cybersecurity Boot Camp - Basic Steps to Secure Control Systems

Fred Gordy, Director of Cybersecurity, Intelligent Buildings

Operational technology cyber incidents are increasing at an exponential rate. The leading cause is human behavior. 80 percent of breaches are due to lack of basic processes, policies, and procedures. According to both NIST and SANS Institute, fundamental to controlling risk is understanding what systems you have, who has access to them, what they are allowed to do once connected, and a record of what actions took place. In this session, we will identify the primary areas that a facility needs to focus on to bolster their risk posture.

LEARNING OBJECTIVES

1. List the basic steps to identify gaps in knowledge as it applies to operational technology.
2. Identify human behaviors that leave their organization at risk.
3. Review real-world examples of risk behaviors and the resulting impact of these behaviors.
4. Discover how to address basic "bad" behavior to increase cybersecurity posture.

AUDIENCE: INTERMEDIATE CEU: 0.1

Risk Management

R1.41 • Room: 341

Emergency Preparedness: Risks and Resilience

Brian Cowperthwaite, Senior Director, Facilities Services Operations & Maintenance, The University of Chicago

Mat Mampara, P.E., Associate Vice President, Dewberry

Beth Tomlinson, P.E., CxA, LEED BD+C, Senior Engineer,

Mechanical Group, Facility Sustainability and Resilience Leader, TDKA

Moderator: Dan Hounsell, Editor, *Facility Maintenance Decisions Magazine*

Magazine

Every day, institutional and commercial facilities face potential threats from natural disasters, including earthquakes, wildfires, flooding and tornadoes, as well as additional threats, such as disease outbreaks and cyberattacks. Managers and their peers involved in emergency preparedness need to ready their facilities for the worst, but to make sure investments in preparations are effective, emergency planners need to perform risk assessments that identify and prioritize the most likely potential threats.

LEARNING OBJECTIVES

1. Identify the greatest threats to their facilities.
2. List the specific vulnerabilities of individual facilities.
3. Understand the equipment upgrade options to address potential threats.

AUDIENCE: INTERMEDIATE CEU: 0.1

10:30 - 11:30 AM

Disruption in Facilities Management

R2.14 • Room: 314

FM Staffing Crunch: Practical Steps for Facility Leaders

Stormy Friday, MPA, Hon. FMA, IFMA Fellow, President, The Friday Group

John Rimer, CFM, President, FM360

Dan Weltin, Facility Group Editor, *Building Operating Management Magazine*

Facility leaders face a growing workforce challenge: trying to attract, retain, and keep productive a new generation of talent. Behind this challenge are seismic demographic and other shifts: Baby boomers are retiring, leaving vacancies in staffing and taking with them essential knowledge. It's often tough to get younger people interested in facility management as a career option. For all facility staff, changing technology demands new skills to complement traditional ones. These are urgent issues today in some facility departments. But even if you are not currently in a staffing crunch, now is the time to act on these issues. Taking steps like a skills gap analysis for future staffing needs can prepare the department for changes to come. This session will explore practical steps that facility leaders can take now.

CONFERENCE SESSIONS

Thursday, March 19th

LEARNING OBJECTIVES

1. Learn practical steps to deal with the challenge of finding new facility staff talent.
2. Find out why it's important for facility leaders to address these issues now.
3. Understand the challenges of managing a more diverse, multigenerational workforce.
4. Learn how operational improvements can help FMs address staffing challenges.

AUDIENCE: ADVANCED CEU: 0.1

Risk Management

R2.16 • Room: 316

Facility and Risk Manager Practices for Public Engagement

Joel Gallihue AICP, ALEP, Chief of Long Range Planning / School Planning Consultant, Gallihue Planning

Does the prospect of public engagement cause you to hide in the maintenance closet? Facility and risk managers are often required to convey technical information to users or the general public. Sometimes the challenge may be to capture the interest of users or the public. In other situations, some groups may become so interested they take control of the narrative and cause confusion. This session will review a variety of practices that you can add to your toolkit for the inevitable moment you will find yourself in the spotlight.

LEARNING OBJECTIVES

1. Express the basics of technical communication to the general public.
2. Understand the changing environment of public engagement.
3. Map the parameters where regular operations can jump into a larger political arena.
4. Understand how to prepare in advance with communication plans.

AUDIENCE: BEGINNER CEU: 0.1

Business Management

R2.18 • Room: 318

Building Enclosure Design for Aesthetic Maintenance

Sarah Rentfro P.E., Consulting Engineer, Simpson Gumpertz & Heger Inc.

Building enclosures inherently require maintenance over time to sustain performance. One component of building enclosure performance, which is often overlooked until it results in unanticipated cost and scope, is aesthetics. The design process presents an opportunity for the project team to make informed decisions that can reduce the frequency and scope of aesthetic maintenance measures. This presentation will explore various strategies, based on investigative practice and design/consulting experience, to reduce building enclosure maintenance demands specifically related to the appearance of the building exterior.

LEARNING OBJECTIVES

1. Recognize design features that can unintentionally impact the building appearance.
2. Understand the mechanism for distinct aesthetic maintenance phenomena and recognize how to mitigate them.
3. Understand how facility management professionals can offer insight to the design process in order to reduce maintenance needs.
4. Develop tools for discussing aesthetic maintenance concerns with design professionals.

AUDIENCE: INTERMEDIATE CEU: 0.1

Energy/Utility Management

R2.21 • Room: 321

Power Shift: How DERs Are Creating a New Balance of Power

Mathew Sachs, Senior Vice President of Strategic Planning and Business Development, CPower Energy Management

Zac Bloom, Vice President, Head of Renewables & Sustainability, Competitive Energy Services

Philip Ciulla, Account Executive, CPower Energy Management

What will electrical power consumption in North America look like in 2050? Will centralized power generation still dominate, or will distributed energy resources—DERs—shift the balance of power generation to the energy end consumer? Our presentation takes “a look back” from the future to show how expanding DER implementation is laying the groundwork for a new balance of power, freeing organizations to independently pursue sustainability and reliability goals, and how monetizing DER energy assets is accelerating that shift. Our case study reveals how one university monetizes solar, battery storage, and demand-side energy management strategies to power its future, today.

LEARNING OBJECTIVES

1. Examine how the “balance of power” will shift from generators and utilities to the end energy consumer over the next decade.
2. Explore the ways in which flexible demand and aggregation at the consumer level will change the grid infrastructure.
3. Investigate the impact that distributed energy resources (DER) and microgrids will have on the state of grid modernization.
4. Identify additional renewable resources, beyond solar and wind, that will see the greatest increase in adoption for both supply and demand of electricity.

AUDIENCE: INTERMEDIATE CEU: 0.1

Safety and Security Management

R2.24 • Room: 324

Bombs, Suspicious Packages, Active Shooters, Terrorism: How Do You Respond at Your Workplace

Bo Mitchell, President and CEO, 911 Consulting

On average, NYC gets 100 bomb threats communicated daily. Six result in deployment of the NYPD bomb squad—every day,

mostly to workplaces. Maybe you're not NYC, but threats from bombs and suspicious packages are constant and foreseeable emergencies for your workplace and your surroundings can be anywhere in America. FBI and NYPD report that Active Shooter incidents have quadrupled the previous five-years' average. 70% of Active Shooters are in workplaces versus campuses. 3 people die and 3+ are injured in the average Active Shooter incident. Active shooters strike malls, high rises, healthcare and factories as well as campuses. Your response is dramatically different at each site.

LEARNING OBJECTIVES

1. State how to create procedures for these foreseeable emergencies.
2. Review compliance issues.
3. Name best practices when dealing with all these threats.
4. Explain what are your command, control and communications issues to respond to these threats.

AUDIENCE: INTERMEDIATE CEU: 0.1

Safety and Security Management

R2.27 • Room: 327

Give Your Facilities Crane Safety Program a Lift!

Ann-Marie Grusch CHST, Senior Safety Specialist, National Security Agency, Occupational Health, Environmental and Safety Services

Does your facility require submission of a lift plan prior to crane activity at your site? A failed crane lift can result in employee injury, loss of productivity and property damage. The Office of OHES at the National Security Agency has developed a comprehensive Crane Safety Management Program to address crane lifts. The program has significantly enhanced partnerships with the safety office, facilities management, and crane companies performing work at a 24-7 mission driven facility. This presentation will provide guidance on developing a Crane Safety Program, give a glimpse into the routine and not so routine lifts at NSA.

LEARNING OBJECTIVES

1. Review if all lifts "critical", the definition by regulation vs potential cost to the facility.
2. Comprehend the importance of crane lift planning.
3. List the key steps to the development of a comprehensive crane safety program.
4. Describe how partnerships among safety, facility management, and Crane Company are key to successful lift operations.

AUDIENCE: BEGINNER CEU: 0.1

Asset Management

R2.37 • Room: 337

Condition Assessment Options and Opportunities

William Wingfield, BSME, MBA, CBMI, Senior Consultant, R&K Solutions, Inc.

Each year, organizations collectively invest billions of dollars in capital construction. However, few track facilities condition indices. For organizations with large portfolios, this means that multi-million dollar investment decisions are being made without the quantitative data needed to identify deferred maintenance and capital requirements and costs. In addition, key performance indicators are often not available to prioritize projects. This session will explore approaches to condition assessments and capital forecasting and the ways resultant business intelligence can be applied to more effectively plan, prioritize and budget for capital improvements.

LEARNING OBJECTIVES

1. Understand why condition assessments are a valuable tool for planning.
2. Learn the pros and cons of different approaches to condition assessments.
3. Identify key considerations in selecting a condition assessment.
4. State how to apply condition assessment data and key performance indicators in capital planning.

AUDIENCE: ADVANCED CEU: 0.1

Risk Management

R2.39 • Room: 339

Overview of the International Existing Building Code Essentials

Clay Aler, Principal, Koffel Associates

Overview of the 2018 International Existing Building Code (IEBC) based on the ICC publication "Existing Building Code Essentials". The presentation will review legal aspects of rehabilitating existing buildings and summarizing the allowable methods of compliance with the IEBC. As part of the presentation, examples of the Work Area Compliance Method and Performance Compliance Method will be highlighted.

LEARNING OBJECTIVES

1. Understand the three allowable methods of compliance permitted by the IEBC.
2. Describe the various levels of the Work Area Compliance Method in order to be able to properly classify the scope of rehabilitation work.
3. List the methodology used in the Performance Compliance Method to create equivalency with prescriptive code requirements of the IEBC.
4. Understand the relationship of the IEBC with the other International Code Council codes including the International Building Code.

AUDIENCE: INTERMEDIATE CEU: 0.1

CONFERENCE SESSIONS

Thursday, March 19th

Operations and Maintenance Management

R2.41 • Room: 341

Retro Commissioning and Air Balancing - Why? It Can Save You Money and Reduce Your Service Life Cost

Susan Morrison ME, STSC, QCxP, Principal Construction Engineer, PARSONS

In running facilities we have service calls from our end users such as hot and cold calls and high humidity, and from our CFO as to why our utility bills are so high. Retro commissioning and balancing can be ways of reducing operating costs as well as service life cost. We will attempt to show by examples and excerpts from actual field problems. In presenting the expenditure of this type of capital what do I really get from it, and do I implement it?

LEARNING OBJECTIVES

1. Learn the difference between commissioning and balancing and why they go hand in hand.
2. Review exposure to the codes and standards that govern commissioning and balancing and what trade does what action.
3. Label how we identify, quantify and document the improvements gained during both commissioning and balancing.
4. Learn how to develop a ongoing commissioning and air balance plan to control operation and service life costs.

AUDIENCE: INTERMEDIATE CEU: 0.1

2:45 - 3:45 PM

Business Management

R3.16 • Room: 316

From Ordinary to Extraordinary : A Performance-Driven Management System

Vince Elliott, President, Elliott Affiliates, Ltd.

Building services failures happen because there is often a lack of full cycle thinking. This session explores the journey from ordinary to extraordinary building services success. This session will review the causes of underperforming service systems and examine how new technology and systems are creating a road to surprising success.

LEARNING OBJECTIVES

1. Outline how to develop your our complete quality, labor, budget and optimization document in under three minutes.
2. Identify the critical actions that guarantee building service extraordinary performance.
3. Express the technology that lifts ordinary performance to extraordinary performance.
4. Identify the path from ordinary management to extraordinary management.

AUDIENCE: BEGINNER CEU: 0.1

Business Management

R3.18 • Room: 318

Understanding Generation Complexity in the Workplace: Exploding the Millennial Myth

Alan Rose, Workspace Technology Specialist, CADM

Today's workforce is made up of multiple generations and what has been vexing workplace designers for years is how to overcompensate for the needs of one generation, "The Millennials". This session looks at the dangers of over-generalizing and the importance of viewing your workforce as unique with talents in people of all ages. It explodes a few myths about "Millennials" who are no longer strange newcomers, but have been in the workforce for 20 years. It's time to focus on Millennials as senior managers and think about what defines the next generation's workplace needs.

LEARNING OBJECTIVES

1. List what is meant by the various generational terms.
2. Review the types of workspaces that will be required for those just joining the workforce from colleges and universities.
3. Exploding the myth of the millennial: what it actually means and who it should apply to.
4. Discuss the next generation's workplace needs.

AUDIENCE: BEGINNER CEU: 0.1

Energy/Utility Management

R3.21 • Room: 321

Top 10 Low Cost Energy Savers

Jane Guyer, Principal Engineer, ETC Group

There are many things you can do in your building right now to save energy. While large capital projects have their place, low-cost operational improvements deliver easy energy savings and train staff on best practices. The presentation includes a real life example of each energy saver, measured savings, and suggestions for retention. P.S. There's homework. The handout is your to-do list to take back to your facility.

LEARNING OBJECTIVES

1. State the fundamentals of how buildings use energy.
2. List 10 things you can immediately act on to gain energy savings in your facility.
3. Recognize the financial and comfort benefits of continuously monitoring HVAC systems.
4. Understand how to create an infrastructure where savings will persist.

AUDIENCE: BEGINNER CEU: 0.1

Risk Management

R3.24 • Room: 324

Understanding the ADA Retail Trap... Methods for Avoidance, Mitigation & Compliance

Evan Piper, President/CEO, Piper Construction & Facility Maintenance, Inc.

After owning a successful construction and facility maintenance company for many years, Evan Piper survived a plane crash and started learning about The Americans with Disabilities Act (ADA) the hard way. In this special session, he'll be showing us how to manage ADA issues, avoid legal problems, and transform compliance requirements into opportunities for you and your clients.

LEARNING OBJECTIVES

1. Understand the challenges and exposures presented to facilities managers with ADA compliance.
2. Identify "hot spot" areas regarding ADA compliance most commonly resulting in legal issues.
3. Become familiar with various compliance and mitigation methods that are available.
4. Learn how to analyze the financial versus ethical implications of proactive ADA compliance.

AUDIENCE: INTERMEDIATE CEU: 0.1

Asset Management

R3.37 • Room: 337

Better Asset Management Using Reality Capture, BIM, and Other Technology

Cheryle Cranbourne, BIM/VDCO Manager, LiRo

The problem: Your facility manager is retiring soon, and all of your facility's information is in their head as well as several dispersed, possibly outdated drawings. Capital planning and proactive maintenance is a challenge, as is the idea of onboarding a new building engineer. This presentation shows how to leverage technology such as laser scanners and BIM to generate a digital twin of your building, so existing assets can be quickly and accurately captured for CMMS and planning purposes. Furthermore, virtual walkthrough viewers and dynamic documentation can dramatically improve operations needs, especially in large buildings and campuses.

LEARNING OBJECTIVES

1. Learn the latest in facility reality capture technology, including rapid laser scanning tools.
2. Understand the beneficial purposes of a "digital twin" for facilities management.
3. Review how to leverage BIM for FM, including dynamic and up-to-date documentation, and asset register outputs.
4. Recognize scan, to BIM, to CMMS data flow.

AUDIENCE: BEGINNER CEU: 0.1

Operations and Maintenance Management

R3.41 • Room: 341

The Latest Trends in Flooring

Lewis G. Migliore, President, LGMTCS and Associates

The Latest Trends in Flooring will delve into the myriad of new flooring materials, both hard and soft, adhesives and moisture mitigating systems. Hard surface planks and tiles are swarming the industry and their use is pervasive but do you really know what you're getting and how to tell. Carpet tile is the most popular carpet product but it too has changed and you have to know what to use and how. The terms water proof, commercial use, high moisture resistant and PVC free can baffle the most astute. This presentation will enlighten you on the mysteries of these products.

LEARNING OBJECTIVES

1. Identify what the best product is for a specific application and why.
2. Review the differences between WPC, SPC and various types of vinyl plank and tile flooring.
3. Learn if adhesive works against moisture or do you have to mitigate.
4. List how to prevent a flooring failure by planning and knowing ahead.

AUDIENCE: INTERMEDIATE CEU: 0.1

4:00 - 5:00 PM

R4.37 • Room: 337

NFMT Closing Ceremony

Join us as we wrap up NFMT 2020. Take the last hour at NFMT to decompress and recap the top trends and topics discussed over the last few days. Spend time creating a plan for when you are back in the office to implement and disperse all the information you learned at NFMT. Finally, it's one last chance to network and collaborate with your NFMT cohorts until the next show.

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www.capitalcoatings.com



Caplan Bros. Glass

BOOTH# 2549

700 W. Hamburg St.
Baltimore, MD 21230

www.caplanguass.com

In business since 1926, Caplan Bros. Glass serves central Maryland with 24-hour emergency service. We offer glass replacement for both commercial and residential uses; new construction and remodel of storefront, interior partitions, curtainwall and damage due to vehicle impact. We sell and service commercial aluminum doors with locks, hinges and closers. Call us at our 24-hour number 410-685-6400.

Carbon Lighthouse

BOOTH# 1625

343 Sansome St.
San Francisco, CA 94111

www.carbonlighthouse.com

Carbon Lighthouse's mission is to end climate change through profitable climate solutions across commercial buildings. In 2019 alone, our CRE client wins represented upwards of half a trillion dollars in assets under management and we've analyzed 100M sq. ft. of data across more than 700 buildings in the U.S.

Carlisle Roof Foam and Coatings

BOOTH# 2120

1285 Ritner Highway
Carlisle, PA 17013

www.carlislerfc.com

Carlisle Roof Foam and Coatings offers a range of coatings and SPF insulations used in commercial roofing applications. SPF systems are designed to provide a seamless long-term, sustainable roofing solution that is virtually maintenance-free. Acrylic and silicone coatings are used as a component of systems and can also be used as standalone products to restore aged roofs. For more information, visit www.carlislerfc.com.

Carrier Corporation

BOOTH# 1820

5900 Northwoods Business Pkwy.
Charlotte, NC 28269

<http://www.carrier.com/commercial/en/us/>

Carrier is the world's leader in high-technology heating, air-conditioning and refrigeration solutions. Carrier experts provide sustainable solutions, ongoing service, integrating energy-efficient products, building controls and energy services for a range of customers.

Carrier Enterprise, LLC

BOOTH# 2201

1716 Bobtail Drive
Maitland, FL 32751

www.cehvac.com

Carrier Enterprise enables customers to procure high quality HVAC equipment, parts and supplies at competitive prices. CE provides superior business intelligence reporting to allow customers to gain insight and drive standardization.

Cass Waste Expense Management

BOOTH# 2351

10401 Deerwood Park Blvd., Suite 2350
Jacksonville, FL 32256

www.cassinfo.com

Cass offers a waste expense management solution for enterprise clients. We take a collaborative approach to ensure strategic

alignment of your finance, operational and sustainability goals. Our services are designed to fit the unique needs of your organizations waste & recycling processes.

CentiMark Corporation

BOOTH# 2149

8351 Bristol Court, Suites 107 & 108
Jessup, MD 20794

www.CentiMark.com

CentiMark is a full service commercial roofing contractor offering a complement of roof systems, roof repair and preventative maintenance. We are the largest independent commercial roofing contractor in North America. Our flooring division, QuestMark, is a full service commercial flooring company specializing in polished concrete floor surfaces and polymer flooring systems.

Centrica Business Solutions

BOOTH# 2515

194 Wood Ave., S. #200
Iselin, NJ 08830

www.centricabusinesssolutions.com

Centrica Business Solutions delivers innovative end-to-end energy solutions. Our sister company, Direct Energy Business, provides energy supply and management to large energy users. Together, we deliver integrated energy solutions combining distributed energy technologies and a variety of commercial options to improve performance and cost management, reduce carbon footprint, strengthen resilience, and create opportunities for growth. Bring us your energy challenges!

CertaPro Painters of South

Central PA

BOOTH# 2566

P. O. Box 561
Shartlesville, PA 19555

<https://certapro.com/reading/>

Specializing in managing all of your interior and exterior commercial painting projects.

Chardon Laboratories Inc.

BOOTH# 2340

7300 Tussing Road
Reynoldsburg, OH 43068

www.chardonlabs.com

As a water treatment company with years of experience in the industry, Chardon Laboratories can meet all of your commercial/industrial water treatment needs. Since the founding of our company in 1965, our singular focus has been to provide high-quality, dependable water treatment services to companies in industries such as Food Processing, Health Care, Plastics, Manufacturing and HVAC.

CHB Industries Inc.**BOOTH# 1921****1300 Veteran's Memorial Hwy.
Hauppauge, NY 11788**www.chbwindowfilm.com

Providing "Energy Answers & Security Solutions" to commercial and retail property owners, operators, and tenants with Hardglass Security Window Film. Offers protection from "smash & grab" break-ins, violent weather, "tagging" and graffiti. Also protects from the sun's damaging rays-reducing heat load, a.c bills, and fading and discoloration of merchandise.

Chesapeake Controls Inc.**BOOTH# 2160****3819 Holland Blvd.
Chesapeake, VA 23323**www.chesapeakecontrols.com

We specialize in creating Driverless Building Automation Systems on a Tridium Open Platform for clients who are looking for options to their existing proprietary systems. Smart alarms and quick-glance dashboards are installed on every project. Mobile technology and web-browser interface that's custom designed for each client. We install Building Controls & Security Technology blended with simple to navigate User Interface.

Chesapeake Systems**BOOTH# 2543****7400 Coca Cola Drive
Hanover, MD 21076**www.chesapeakesystems.com

Chesapeake Systems, LLC is comprised of seven divisions, each focusing on the specific needs of various market segments including: Commercial HVAC, PVF/Plumbing, Hydronic Heating & Cooling Tower Service.

CMP Corporation**BOOTH# 2469****4101 SE 85th St.
Oklahoma City, OK 73135**<http://www.a-1compressor.com>

The aftermarket leader for re-manufactured compressors with the industry's longest warranty.

Cold Point Corp.**BOOTH# 1720****7500 Cold Point Drive
Rome, NY 13440**www.coldpointcorp.com

Cold Point manufactures replacement air conditioners, water source heat pumps and vertical PTAC units. Many models of air-cooled, PTAC and water source units are available. Units are sold nationwide under the Cold Point and Adirondack-Aire

brand names. Represented locally by Havtech Parts, located in Columbia, MD.

Cole Roofing Company**BOOTH# 1624****3915 Coolidge Ave.
Baltimore, MD 21229**www.coleroofing.com

For a century, Cole Roofing has built a reputation for quality workmanship as well as the delivery of client focused projects on time, safely constructed and on budget. In addition to a variety of traditional roofing technologies, Cole offers options that include solar PV, metal panels, vegetated roof systems, roof-decks, water management systems, solar thermal and daylighting.

Competitive Energy Services**BOOTH# 1616****148 Middle St., Suite 500
Portland, ME 04101**www.competitive-energy.com

Competitive Energy Services is an energy consulting company based in Portland, ME serving a diverse portfolio of clients from Atlantic Canada to California.

Complete Building Services**BOOTH# 2049****5151 Wisconsin Ave., NW, Suite 400
Washington, DC 20016**www.completebuildingservices.com

Complete Building Services(CBS) provides full facilities management services, building operations, maintenance and repair, 24x7 HVAC, mechanical, electrical and plumbing, building automation and energy management support. CBS is headquartered in Washington, DC and supports commercial offices, federal and state government facilities, laboratories, data centers, hotels and condominiums, and educational clients throughout the mid-Atlantic region.

Comstar Technologies**BOOTH# 1414****12900-B Cloverleaf Center Drive
Germantown, MD 20874**www.comstar-usa.com

Comstar Technologies is full-service provider of customized technology solutions across North America. Our team specializes in the design, implementation and ongoing support of Building Security, Information Technology, Audio/Visual, Sound Management, Fire Alarm and Voice solutions. We utilize technology to help you achieve your mission, reach your goals and ultimately drive your business forward.

Connectrac**BOOTH# 2214****8707 Chancellor Row
Dallas, TX 75247**www.connectrac.com

Connectrac® is the leader in connectivity solutions for commercial interior spaces. Our products provide invisible power connections throughout a space via a unique floor-based raceway system. We are quick to install and change unlike core drilling, trenching, and power poles. Visit booth 2214 to see our new product, Connectrac Flex® that will be available in Fall 2020.

Construction Specialties Inc.**BOOTH# 1801****P.O. Box 380
Muncy, PA 17756**www.c-sgroup.com

Known to solve complex building challenges, Construction Specialties (CS), a global manufacturer of architectural specialty products since 1948, draws upon customer relationships and extensive expertise to design custom, high-quality products for interior and exterior applications—many of which are a part of the Cradle to Cradle Certified™ Products Program.

Cooney Engineered Solutions**BOOTH# 1735****20130 Valley Forge Cir
King of Prussia, PA 19406-1112**www.cooneycoil.com

Freeze Block Technology has been providing facilities with unmatched HVAC coil freeze protection. Now, new Smart Coil Technology gives facility managers added assurance. The Smart Coil sends a signal to the facility's BMS when freezing conditions are detected to alert management and take preventative action against freeze damage.

Corporate Care**BOOTH# 2358****5304 Sunnyside Ave.
Beltsville, MD USA**www.corporatecare.com

For dynamic businesses that place a high value on the workplace experience and have real estate assets with needs that constantly change, Corporate Care is a restoration and maintenance partner. We are ever evolving to proactively solve client challenges while extending asset life, enhancing ROI and preserving overall occupant wellness and employee retention.

EXHIBITOR LISTINGS

CP Rankin Inc.

BOOTH# 2146
4359 County Line Road
Chalfont, PA 18914
www.CPRankin.com

CP Rankin is a self-performing commercial roof management firm serving the East Coast.

CPower Energy Management

BOOTH# 1708
524 Rambling Sunset Circle
Mount Airy, MD 21771
www.cpowerenergymanagement.com

Cpower creates demand-side energy management strategies for our customers to help them reduce energy costs, generate revenue, and meet sustainability goals.

Craftmaster Hardware

BOOTH# 2041
190 Veterans Drive
Northvale, NJ 07647
www.craftmasterhardware.com

Craftmaster Hardware distributes security hardware, locksmith supplies and detention hardware. Craftmaster primarily serves the Institutional Locksmith at Hospitals, Education, Facility Management and Corrections facilities. We represent the world's most recognized brands and differentiate ourselves with superior technical service and product support. Call on Craftmaster @ 800-221-3212 or info@craftmasterhardware.com Check us out at www.craftmasterhardware.com!

Creative Water Solutions

BOOTH# 2401
13809 Industrial Park Blvd.
Plymouth, MN 55441
www.cwsnaturally.com

ProMoss™ is a plant-based, patented technology for HVAC and other water treatment. As part of a water treatment plan, ProMoss™ can reduce maintenance and water/sewer costs. Simplify operations by removing chemical drums and pumps. Use reclaimed water in cooling towers. Reduce chemicals in effluent. Let our experts improve your facility.

Crown Polymers, Inc./EverRoof

BOOTH# 2415
11111 Kiley Drive
Huntley, IL 60142
www.crownpolymers.com

Crown Polymers offers a complete line of decorative, commercial, and industrial floor coatings products.

EVERROOF is a large scaled manufacturer that sells a full range of liquid applied roof maintenance coating systems for low-sloped commercial roofs.

Polycoat Products creates high-performance polyurethane, polyurea, and polyaspartic coatings and elastomers for industrial, residential, and commercial applications.

Cummins

BOOTH# 2147
2601 Fortune Circle E., Suite 300C
Indianapolis, IN 46241
www.salesandservice.cummins.com

Cummins Inc (CMI) has dedicated its knowledge, ability and infrastructure to being one of the leading Power Providers around the globe for 100 years and counting. With a large distribution sales and service network, CMI has prided itself on being able to provide power solutions to hundreds of thousands of customers in industries ranging from various backgrounds.

Cushman

BOOTH# 2407
1451 Marvin Griffin Road
Augusta, GA 30906
www.cushman.com

Cushman® vehicles are known around the world for providing, durable and dependable product solutions, focused on keeping your facility running at top speed. Gasoline- and electric-powered models, plus an extensive list of options and accessories make Cushman the most versatile work products available.



CxEnergy AABC Commissioning Group (ACG)

BOOTH# 1523
2401 Pennsylvania Ave., NW, Suite 330
Washington, DC 20037
www.cxenergy.com

With a 32-session, 4-track education program, certification opportunities, a 50+ booth expo hall and plentiful networking opportunities, CxEnergy is the #1 conference for building commissioning, energy management, testing and technology. The affiliated AABC Commissioning Group (ACG), Associated Air Balance Council (AABC) and Energy Management Association(EMA) collectively have more than 600 member companies and over 2,000 people in the field carrying our professional certifications.

D&D Technologies USA, Inc.

BOOTH# 1843
17531 Metzler Lane
Huntington Beach, CA 92647
www.ddtech.com

D&D Technologies is the recognized leader in safety and hi-performance gate hardware globally providing the broadest range of gate hardware for every application. D&D Technologies produces over 300 gate hardware products and has 30 years of experience in the gate hardware industry.

Dahl Valve Limited

BOOTH# 2366
26 S. Sheridan Way
Mississauga, ON M9B 5J8
www.dahlvalve.com

Dahl is a Canadian manufacturer. Incorporated in 1952, it has transformed from a master distributor into a premium quality valve manufacturer for the plumbing and hydronic heating industries. The company's goal is to design and manufacture valves with unmatched quality. Dahl's commitment to premium quality is reflected in their lifetime warranty which applies to every manufactured product.

Davies Office Inc.

BOOTH# 2107
40 Loudonville Road
Albany, NY 12204
www.daviesoffice.com

Davies core business for over 70 years has been sustainable recycling, remanufacturing and the sale of Grade A Systems Furniture from industry leaders such as: Steelcase, Haworth, Herman Miller and Knoll. Please visit us at Booth 2207 to learn more about positive Asset Recovery, Warehouse reduction and Cost Savings utilizing our Furniture Exchange programs.

DCS Data Center Solutions

BOOTH# 2144
588 Bellerive Rd., Suite 1b
Annapolis, MD 21409
www.dcs-datacenters.com

Our goal is to be an engineering-driven business. We strive to evaluate and make wise technical and fiscal decisions, while keeping quality, efficiency, modularity, maintainability, affordability and delivery time frames to higher standards for our mission critical clients Data Center or other mission critical needs.

DDP Roofing Services, Inc.

BOOTH# 1717
20 Conchester Road
Glen Mills, PA 19342
www.ddproofing.com

DDP approaches every roofing opportunity with our clients best interests in mind.

Whether it is repair, replacement or maintenance, DDP strives to create a long term value based relationship with our customers. Dependable, Detailed Professionals.

Dead Sea Works Company/K&S North America

BOOTH# 2545
444 W. Lake St., Suite 3000
Chicago, IL 60606
www.mag-icemelt.com

MAG® is the best total ice melter available — it is proven more effective, environmentally safer and less damaging than other common ice melters. MAG® freezes (a 22% solution) at -27°F (-33°C) and melts effectively down to -13°F (-25°C) — well below most other ice melters. MAG® is extracted from the Dead Sea by natural evaporation of seawater making it your safer choice for ice control.

DECRA Metal Roofing

BOOTH# 2346
1230 Railroad St.
Corona, CA 92882
www.DECRA.com

DECRA Metal Roofing Systems is celebrating 63 years in manufacturing steel roofing products for light commercial & residential projects. DECRA products are available in profiles such as a Wood Shake, Barreled Tile and Shingle in a multitude of color blends. DECRA profiles include a 50 year commercial warranty. These steel roofs are Designed for Style & Engineered to Protect.

Delmhorst Instrument Co.

BOOTH# 2350
51 Indian Lane East
Towaco, NJ 07082
www.delmhorst.com

Over 70 years of experience enables Delmhorst Instrument Co. to offer top quality moisture meters at competitive prices that customers can trust and use with confidence. You will discover we provide meters that are reliable, easy to use, and backed by our superior customer care. A perfect match for the professional facility manager

Delval Equipment Corporation

BOOTH# 2151
604 General Washington Ave.
West Nottiton, PA 19403
www.delval.com

Boilers, related equipment / services, packaged rentals, all focused on reliability, high efficiency and low environmental impact.

Detex Corp.

BOOTH# 2247
302 Detex Drive
New Braunfels, TX 78130
www.detex.com

Detex Corporation specializes in the business of providing loss prevention and security door hardware on various premises.

Directional Systems

BOOTH# 2267
2250 W. 23rd St.
Erie, PA 16506
www.directionalsystems.com

Get your projects done correctly, quickly and easily. Directional Systems has the LED signs you need from financial drive-thrus, loading docks and everything in between. A few quick clicks on our website gives you our catalog of LED signs, switches and mounting. Along with our signs and accessories, you can view pricing, get a quote or view installation instructions 24/7.

Door Closer Service Co. Inc.

BOOTH# 2447
4501 Baltimore Ave.
Bladensburg, MD 20710
www.doorcloser.com

We sell commercial door hardware.

Dormakaba USA

BOOTH# 1730
6161 E. 75th St.
Indianapolis, IN 46250
www.bestaccess.com

Global Manufacturer of Commercial Door Hardware, Entrance Systems, Electronic Access & Data, Glass Systems and Safe Locks. Dormakaba provides products and services to a variety of vertical markets. This includes Education, Healthcare, Hospitality, Multi-family, Government, Transportation and many others. www.dormakaba.com/us-en

Duct & Vent Cleaning of America Inc.

BOOTH# 2141
8750-10 Cherry Lane
Laurel, MD 20707
www.ductandvent.com

Over 30 years in business. We are certified members of NADCA 738212; The HVAC Inspection, Maintenance and Restoration Association and are members of the Indoor Air Quality Association. We clean air ducts, dryer vents, exhaust stacks, building structures, machinery and more. Free estimates.

Dumond

BOOTH# 2367
1475 Phoenixville Pike, Suite 18
West Chester, PA 19382
www.dumondchemicals.com

Dumond Manufactures Eco-Friendly, Biodegradable and Non-Toxic Paint Removers, Graffiti Removers, Masonry Cleaning Solutions and More! Every product is designed to provide ALL end-users with a simple, safe and effective experience which will NOT harm the user or environment.

Duro-Last Roofing Inc.

BOOTH# 2240
525 Morley Drive
Saginaw, MI 48601
www.duro-last.com

Single-Ply Roofing Membrane & Accessories.

EagleHawk

BOOTH# 2467
3819 South Park Ave.
Buffalo, NY 14219
www.eaglehawk.io

EagleHawk provides full-service facility inspections using state-of-the art drones, sensors, and thermal imaging technology. Our mission is to leverage drone technology to provide better data and insights for our clients.

Easi File

BOOTH# 2535
22 Skycrest
Mission Viejo, CA 92692
www.easifile.com

Easi File vertical filing cabinets are optimized for storing and indexing blueprints, maps and large documents of all forms safely and efficiently. Easi File is the industry leader for large document storage and was selected as the preferred storage solution for such organizations as the World Bank, the MGM City Center, Governments, Hospitals, Universities, and numerous Fortune 500 companies.

EAW Security

BOOTH# 2344
6198 Butler Pike, Suite 135
Blue Bell, PA 19422
www.eawsecurity.net

EAW Security provides building security solutions relating to access control and security camera's.

Ecoglo Inc.

BOOTH# 2265
1104 Corporate Way
Sacramento, CA 95831
www.ecoglo.us

The Ecoglo® Photoluminescent Egress

EXHIBITOR LISTINGS

Path Markers enable the safe movement of people down stairs. Ecoglo helps prevent trips and falls 24-hours-a-day because of its high visibility. Ecoglo is also a fail-safe supplementary emergency lighting system for fire exits as specified in the 2009 International Fire Code and the National Fire Prevention Association Life Safety Code 101.

Edwards Detection & Alarm

BOOTH# 1729

5954 Fountainhead St. SE
Salem, OR 97306

www.edwardsfiresafety.com

Since 1872 Edwards™ has led the way with innovative fire detection and alarm solutions. From economical control panels to high-end life safety and emergency communications platforms, this legacy of inventiveness and uncompromising quality has made Edwards life safety systems preferred among building owners and designers the world over. Edwards is part of Carrier, Inc., a unit of United Technologies Corp.



Electric Eel Mfg. Co. Inc.

BOOTH# 2564

501 W. Leffel Lane
Springfield, OH 45501

www.electriceel.com

Made in U.S.A. since 1939 and the originator of the dual cable sectional sewer cleaner, Electric Eel produces a full range of drain and sewer cleaning equipment, water jettors, and pipeline inspection cameras for the maintenance professional backed by the industries best service and support including a nationwide network of sales representatives.

Electro Industries/GaugeTech

BOOTH# 1716

1800 Shames Drive
Westbury, NY 11590

www.electroind.com

Electro Industries/GaugeTech, a worldwide leader in sub-metering and power monitoring, manufactures products that reliably track energy usage and identify inefficiencies, while offering the latest technology in remote monitoring and self-calibration.

ELEDLIGHTS

BOOTH# 2437

3615 Davisville Road
Hatboro, PA 19040

www.eledlights.com

Factory direct supplier of commercial and industrial LED lighting, with proven track-record and client list including many real estate and property management firms. Specializing in new construction or retrofits for both indoor & outdoor, ELEDLIGHTS offers free lighting design and personalized service with fast delivery from CA and PA warehouses.

Emme Controls

BOOTH# 1410

P.O. Box 2251
Bristol, CT 60610

<https://www.getemme.com>

We are a manufacturer of temperature control & energy management system which works with almost any existing heating & cooling equipment, providing significant value/impact as it relates to comfort and energy savings.

Empire Graphics, Signs & Lighting

BOOTH# 2528

2232 Crain Hwy.
Waldorf, MD 20607

www.signempire.com

Empire Graphics, Signs & Lighting is a architectural graphics, lighting and signage company serving national and local accounts exclusively for all of their interior and exterior signage needs.

Envoy, Inc.

BOOTH# 1615

410 Townsend St.
San Francisco, CA 94107

www.envoy.com

Envoy is transforming modern workplaces, challenging the status quo with innovations that make office life and work more meaningful. Envoy has redefined how offices interact with visitors and manage deliveries in over 13,000 locations around the globe while building products for a new era of workplace experience.

ePIPE Restoration

BOOTH# 2365

3122 W. Alpine St.
Santa Ana, CA 92704

www.restoremypipes.com

Why Repipe? Avoid the mess. We fix pipes IN-PLACE! ePIPE's Lead-Free, Leak-Free Pipe Protection restores pipes in-place so you don't have to displace tenants, residents or disrupt the work environment. Our patented technology uses an epoxy barrier coating as a solution for leaks, corrosion and lead leaching in piping systems.

ETC Group

BOOTH# 2142

1997 South 1100 East
Salt Lake City, UT 84106

www.etcgrp.com

ETC Group is celebrating its 32nd year as a leader in energy management, efficiency engineering and consulting. We implement smart building technology to increase efficiency, increase comfort and ultimately, increase our clients' bottom line.

EthoSource LLC

BOOTH# 2329

180 Grace Blvd.
Morgantown, PA 19543

www.ethosource.com

Ethosource is a nationwide provider of quality office furniture solutions and furniture related services. Our clients are fully supported with space planning and design, expert project management, move services, furniture buyback options and more. Our consultative approach allows our clients to consider multiple designs, styles and price points in a pressure free and enjoyable buying experience.

Evercor Facility Management

BOOTH# 2352

902 Wyoming Ave.
Wyoming, PA 18644

www.evercor.com

We are a full service, privately owned, self-performing facility maintenance company serving commercial and industrial clients in the Mid-Atlantic U.S. for 25 years. We operate 24 hours a day, 365 days per year, giving our customers peace of mind and allowing them to Work. Uninterrupted. Learn more at www.Evercor.com.

EverLast Lighting

BOOTH# 2526

2021 Wellworth Ave
Jackson, MI 49203

www.everlastlight.com

With over 20 years of business in the lighting industry, EverLast Lighting's industry-leading options and features make every fixture truly built for you. With its core focus on commercial and industrial LED lighting solution, Everlast Lighting understands how quality lighting impacts your business. That's why every project starts and ends with you, the customer.



Everlux Signs & Erteca Inc.

BOOTH# 2457
1030 Salem Road
Union, NJ 07083
www.everlux.com

Everlux is a manufacturer of Photoluminescent Safety Signs, namely for emergency exit identification, egress path marking and fire-fighting equipment location. The Everlux brand is recognized for quality products with high luminance performance, as well as for the associated professional support.

Evoqua Water Technologies

BOOTH# 2427
5270 Marshall St.
Avada, CO 80002
www.evoqua.com

Learn how Evoqua Water Technologies' automatic screen filters and high efficiency cross-flow microsand filtration can improve your cooling tower efficiencies!

eWorkOrders

BOOTH# 2413
25 Oakland Dr., West
Whitehouse Station, NJ 08889
<https://eworkorders.com>

The highest rated computerized maintenance management system (CMMS)! Easily control your work orders, assets, preventive maintenance, employee assignments, time and materials, documentation, pictures and more on your computer or mobile device. Take service requests online 24/7. No software to install, no hardware to purchase. Technical support and upgrades included.

Extrutech Plastics Inc.

BOOTH# 2460
5902 West Custer St.
Manitowoc, WI 54220
www.epiplastics.com

Extrutech Plastics introduces a new stay in place; concrete form for 6 & 8-inch poured walls. The Extrutech FORM is 24 inches wide and snaps together for quick installation. This FORM offers an easy to clean sanitary surface on both sides. The product creates a structural wall system that is builder and customer friendly. Use in dairy, car wash or food facilities.

Facil-it

BOOTH# 1620
87 Stratford Ave
Williston Park, NY 11596
www.facilit.fm

Facil-it Software is a comprehensive, web-

based Facilities Management solution that brings together all key operational activities into a single location, fully accessible from any web-enabled device. It is powerful and user-friendly software, which streamlines and tracks all on demand, scheduled and preventative maintenance work orders.

Facilities Survey Inc.

BOOTH# 2364
400 Penn Center Blvd., Suite 552
Pittsburgh, PA 15235
<http://www.fsiseservices.com>

Facilities Survey provides onsite equipment data collection and barcoding services, as well as our Custom Maintenance Software (CMS) CMMS package. CMS offers handheld solutions for work orders and your preventive maintenance needs, online work requests, and our new CMS View which can show your equipment and work orders on your floorplans.



Facility Maintenance Decisions Magazine

BOOTH# 1203
2100 W. Florist Ave
Milwaukee, WI 53209
www.facilitiesnet.com/fmd

Official media sponsor of NFMT 2020. *Facility Maintenance Decisions* is the only magazine written exclusively for facility maintenance and engineering managers at commercial and institutional facilities. Its 35,000 monthly readers are responsible for the safe, energy-efficient and reliable operations of their buildings and the maintenance of their grounds. These in-house facility experts rely on FMD for practical information about the technology systems, components and materials that ensure the long-term success of their operations. Find out more at www.FacilitiesNet.com/FMD.

Fidelity Power Systems

BOOTH# 2307
25 Loveton Circle
Sparks, MD 21152
www.fidelityengineering.com

Fidelity Power System is the nation's largest distributor of KOHLER Power Systems. We offer a full line of commercial and industrial emergency power systems including stand-by generators, automatic transfer switches,

paralleling switchgear and replacement parts. Fidelity's award-winning service team is staffed with factory-trained and authorized service technicians who specialize in emergency power systems, supporting commercial, industrial and mission critical facilities.

FilterBuy

BOOTH# 2468
101 Pope St.
Talladega, AL 35160
www.filterbuy.com

FilterBuy is a manufacturer of pleated air filters. Based in Talladega, AL, FilterBuy ships direct with no minimum order amount required. FilterBuy makes it easy to fulfill your air filter needs.

Fire & Life Safety America Inc.

BOOTH# 2357
5 Emerson Road
Severna Park, MD 21146
www.flisamerica.com

Fire and Life Safety America Inc. (FLSA) inspects tests and services fire alarm, sprinkler alarm, clean agent fire suppression systems, and special hazard suppression systems. FLSA provides facilities management with on-going preventive maintenance support and repair services for fire and life safety systems. FLSA is the only Fire Alarm Company certified in ISO standard 9001-2008, and holds GSA contract #GS21F0097W.

Fireline Corp.

BOOTH# 2219
4506 Hollins Ferry Road
Baltimore, MD 21227
www.fireline.com

The Fireline Corporation, founded in 1947, has evolved to provide totally integrated fire protection solutions in the Mid-Atlantic region. Fireline is the most experienced fire alarm, sprinkler and special hazards contractor in the region. Our capabilities include engineering, design, installation, inspection, testing and service repairs. We also furnish and install portable fire extinguishers, kitchen exhaust hood and vehicle engine compartment fire suppression systems.

FlexCart

BOOTH# 1727
5868 Kitzmiller Road
New Albany, OH 43054
www.flexcartllc.com

Maintenance/engineering carts designed to provide an extremely efficient work method typically resulting in a 40% increase in productivity along with control over tool inventory and a more professional presentation to the client.



Flexicount

Flexicount

BOOTH# 2025

Flexicount c/o StoreTech Ltd, 2
Kingdom Street
London, W2 6JP

www.flexicount.com

The Flexicount ecosystem is a network of battery powered footfall sensors delivering data-driven cleaning and maintenance through predictive scheduling, usage heatmaps, and real-time mobile alerts to operatives. Achieve faster response times, better service, and more effective use of resources with improved SLA compliance.

Florock Polymer Flooring

BOOTH# 2137

1120 W. Exchange
Chicago, IL 60609

www.florock.net

Florock® Polymer Flooring, based in Chicago Illinois since 1952, is a leader in the manufacture, research and development, and installation of solutions-oriented concrete floor coatings and toppings. In addition to installation by a nationwide network of approved specialty contractors, we now offer professional-grade systems for facility self-install, as well as online training videos and technical support. At Florock, we understand it's "YOUR FLOOR. YOUR CHOICE."

Fluke Corporation

BOOTH# 1829

3181 North Bay Village Court
Bonita Springs, FL 34135

www.fluke.com

Fluke Reliability products and services are designed for the assets and team you already have in place. We "meet you where you are" and deliver rapid results on your current challenges. Our Accelix IIoT platform enables you to add new solutions that can be instantly integrated with your existing technology. Leverage an IoT roadmap as your maintenance program evolves.

FMX

BOOTH# 1617

800 Yard St., Suite 115
Columbus, OH 43212-3866

www.gofmx.com

FMX's computerized maintenance management system (CMMS) allows facility leaders to effectively track and manage all maintenance and facility related activities. The software enables your team to streamline maintenance and facilities processes, increase asset productivity, and turn actionable insights into meaningful results.

Fooda

BOOTH# 1621

225 W. Randolph St., #1700
Chicago, IL 60606

www.fooda.com

Food feeds hungry people at work through our ongoing food programs located within companies and office buildings. Every day, each Food location is served by different restaurants that come onsite and serve fresh lunch.

FreeAxez LLC

BOOTH# 2229

1805 Underwood Blvd.
Delran, NJ 08075

www.freeaxe.com

FreeAxez's Gridd and GriddPower offer whole-building cable management.

Fried Brothers, Inc.

BOOTH# 1510

467 N. 7th St.
Philadelphia, PA 19123

www.fbisecurity.com

Access control, door hardware, security products, OSHA safety, lookout tagout, DIVISION 10 LED lights, bathroom accessories.

Garland Co. Inc., The

BOOTH# 2360

3800 E. 91st St.
Cleveland, OH 44105

www.garlandco.com

For over 120 years, The Garland Company has been a leader of quality, high-performance roofing and building maintenance systems for the commercial, institutional and industrial markets.

GE Silicones

BOOTH# 1945

9930 Kinsey Ave.
Huntersville, NC 28078

www.siliconeforbuilding.com

HIGH PERFORMANCE, LONG LASTING building enclosure restoration solutions at a LOW COST.

GE Silicones innovative coatings can create cost efficient solutions to leaking roofs and facades, even over brick. Don't choose between a durable/cost prohibitive solution or a low cost/temporary solution when you can have the best of both. Extend your budget with GE Silicones.

General Pipe Cleaners/General Wire Spring Co.

BOOTH# 1601

1101 Thompson Ave.
McKees Rocks, PA 15136

www.drainbrain.com

General Pipe Cleaners manufactures a full line of sewer and drain cleaning machinery, as well as high pressure water jets, video pipe inspection and location systems, water leak locators, pipe freeze kits, pipe thawing machines, and more. The toughest tools down the line.

Glasdon Inc.

BOOTH# 2428

5200D Anthony Road
Richmond, VA 23150

www.glasdon.com

Unrivalled customer care and new product innovation has helped establish Glasdon as a market leading street furniture and waste management supplier. We serve thousands of customers right across the U.S., priding ourselves on designing and manufacturing the highest quality products, which can be tailored to meet your exact needs.

Global Plasma Solutions

BOOTH# 1524

3101 Yorkmont Rd., Suite 400
Charlotte, NC 28208

www.globalplasmasolutions.com

With over 30 patents and more than 150,000 installations worldwide using our NEEDLEPOINT BIPOLAR IONIZATION technology, also known as NPBI, GPS is truly the Indoor Air Quality (IAQ) revolutionIZER.

Gordian

BOOTH# 1835

30 Patewood Dr.
Greenville, SC 29615

www.gordian.com

Construction and facilities cost data software and service.

Gordian Energy Systems

BOOTH# 1624B

3915 Coolidge Ave.
Baltimore, MD 21229

www.gordianenergysystems.com

Gordian Energy Systems — a solar photovoltaic Engineering, Procurement, Construction company.

Graybar Electric Co.

BOOTH# 2529

4800 Forbes Blvd.
Lanham, MD 20706

www.graybar.com

Graybar, a Fortune 500 company, specializes in supply chain management services and is a leading North American

distributor of high-quality components, equipment and materials for the electrical and telecommunications industries.

GSM Roofing

BOOTH# 1940
345 S. Reading Road
Ephrata, PA 17522
www.gsmroofing.com

Re-Roofing. Repairs. New Construction. GSM Roofing is a full-service, fully credentialed commercial and specialty roofing contractor with expertise in multiple crafts and services to provide solutions for almost every roof type. Our long history of excellence and professionalism sets us apart. We'll show you how the right roofing system and proper maintenance will help minimize facility maintenance expenses.

Guardian CSC

BOOTH# 2557
6000 Susquehanna Plaza Drive
York, PA 17406
www.guardiancsc.com

Guardian CSC is the Mid Atlantic's fastest growing water technologies company. We provide clean & efficient water solutions through our treatment programs, pre-treatment equipment, chemical feed systems, tanks and other related products for boilers, cooling towers, waste effluent systems and process water.

Guy Roofing, Inc.

BOOTH# 2318
201 Jones Rd
Spartanburg, SC 29307
www.guyroofing.com

Guy Roofing, a full service roofing contractor specializing in commercial, residential and industrial roofing projects with the expertise and resources to fully assist customers with their roofing needs. For 50 year, the company has established a solid reputation for quality workmanship and customer service. Fully insured and licensed. For more information visit www.guyroofing.com

GVM Inc.

BOOTH# 1949
374 Heidlersburg Road
Biglerville, PA 17307
www.gvminc.com

GVM is a leading manufacturer of professional grade snow and ice control equipment. We place a large emphasis on designing and building the highest quality and most reliable equipment to fit operations of all sizes. Our products include brine makers, anti-icing/de-icing equipment, blend and fill stations, and self-propelled surface control units.

The Harvey Salt Company

BOOTH# 2548
1325 Mohrs Lane
Baltimore, MD 21220
www.harveysalt.com

Since 1933, The Harvey Salt Company has been the area's Single Source Salt Supplier for Water Treatment, Food Grade, Deicing & Agricultural Salts 738212; Bag, Bulk, Dump or Pneumatic. Since 1960 we have specified turnkey above ground Automatic Brine Delivery Systems installed in Government, Pharmaceutical, Educational, Healthcare, Industrial & Correctional Facilities and provided just-in-time deliveries of salt.

Herc Rentals Inc.

BOOTH# 2150
27500 Riverview Center Blvd.
Bonita Springs, FL 34134
www.hercrentals.com

Herc Rentals is a leading full-service equipment rental firm offering a vast array of customers the equipment, services and solutions they need to succeed safely, efficiently and effectively.

Herzig Engineering

BOOTH# 2143
8201 NW 97th Ter
Kansas City, MO 64153
www.arflashconsultants.com

Herzig Engineering is passionate about creating a positive electrical safety culture. Our electrical engineers can guide you in maximizing the safety culture at your facility and at your company. Our electrical engineers will ensure that your facility and equipment are OSHA compliant and practicing the latest safety standards as stated in the NFPA 70E, OSHA, NEC, IEEE 1584, ANSI, & ASTM.

High Point Roofing LLC

BOOTH# 2046
1194 Route 40, Suite B
Pilesgrove, NJ 08098
www.hproofs.com

High Point Roofing holds some of the highest roofing credentials and certifications in the industry and has successfully executed thousands of residential and commercial roofing projects. Their extensive knowledge and passion is the driving force behind High Point Roofing's outstanding reputation, growth and success. They are a company lead with integrity and hope to set the standard for the industry.

Houck

Houck Building Preservation Specialty Contractors

BOOTH# 2256
7464 Linglestown Road
Harrisburg, PA 17112
www.houcks.com

Houck provides services to institutional and commercial clients that include roof installations, roof repairs and maintenance, masonry restoration, concrete rehabilitation, flooring systems, sealants/waterproofing, green solutions and related services. Houck's commitment to its customers is evident in every project through a focus on safety, quality and performance, with an attention to detail and the efficient use of current methodology and technology.

Hunt Consulting

BOOTH# 1602
9015 Maier Rd., Suite B
Laurel, MD 20723
www.huntconsulting.net

Mid-Atlantic based turn-key lighting retrofit and solar contractor with national coverage.

IdentiSys, Inc.

BOOTH# 2530
7630 Commerce Way
Eden Prairie, MN 55344
www.identisys.com

IdentiSys Inc., North America's largest full-service security, identification, card solutions and presentation products, is committed to serving you with exceptional customer service, an expansive product line, on-site service and an unparalleled experience.

IDville

BOOTH# 2421
5380 52nd St. SE
Grand Rapids, MI 49512
www.idville.com

IDville® is a premier leader of turn-key photo ID card solutions. Design and print professional employee IDs. Our products are designed to make ID security easy to implement and maintain. Our Lifetime Service and Support is the cornerstone of making your ID program a success.

EXHIBITOR LISTINGS

IFMA

BOOTH# 1715

800 Gessner, Suite 900
Houston, TX 77024
www.ifma.org

Celebrating 40 years as the global resource for facility management, IFMA supports more than 23,000 members in 100+ countries. IFMA helps facility professionals grow their careers through industry-leading education, credentialing, networking and knowledge-sharing. Annually, IFMA hosts World Workplace, the largest series of facility management conferences in the world, and Facility Fusion, the premier FM leadership learning event.



IFMA Chesapeake Chapter

BOOTH# 2550

10729 - B Birmingham Way
Woodstock, MD 21163
www.ifmachesapeake.org

IFMA Chesapeake is the local Mid-Atlantic Chapter for Facility Management professionals. We provide Networking, Education, Encouragement, Certification, Mentorship and Professional Resources to our members through a variety of programs and events throughout the year. At NFMT Baltimore we are sponsoring two educational sessions and booth #2550. Visit the website www.ifmachesapeake.org for more information.

Illumetek Corp.

BOOTH# 2251

1100 Graham Road Circle
Stow, OH 44224
<https://www.illumetek.com>

From LED upgrades and simple controls to energy management and smart building technology, Illumetek has an unparalleled reputation in nationwide coverage and managed services. Additional commercial lighting and electrical specialties include: reactive service, electrical rollouts and installations, lighting and HVAC controls, IoT initiatives and labor only management.

Industrial Caulk & Seal Inc.

BOOTH# 2569

302 Broad St.
Delta, PA 17314
www.industrialcaulkandseal.com

ICS has specialized in polished concrete (Dyes/stains), concrete repairs, joint fillers, joint sealants, concrete sealers, epoxy coatings since 2001.

Insight Facilities Management, Inc.

BOOTH# 2334

650 Village Trace, Bldg. 17
Marietta, GA 30067
www.insightfm.com

Nationwide services with regional self-performing of plumbing, appliance, handyman, electrical and more. We pride ourselves on our commitment to "do what we say we are going to do".

Interior Maintenance Company Inc.

BOOTH# 2250

45 Scottdale Road
Lansdowne, PA 19050
www.imc.cc

Celebrating 47 years of service in the Mid-Atlantic region and beyond, Interior Maintenance Company (IMC) continues its reputation as the professional building maintenance firm specializing in Air Duct cleaning, Kitchen hood and equipment cleaning, Dryer exhaust cleaning, High Surface and Combustible Dust cleaning. IMC services schools, hospitals, government institutions and the largest commercial and industrial facilities.

Interplay Learning

BOOTH# 1408

1400 W. 5th St.
Austin, TX 78703
www.interplaylearning.com

Interplay Learning is an online learning platform offering a catalog of on-demand, video-based and first-hand, VR-enabled training solutions for skilled and industrial trades. With our proprietary software, we can create a wider variety of real-world scenarios and situations quicker and more economically making training easily available to more people.

ISES Corporation

BOOTH# 2519

3100 Breckinridge Blvd., Suite 400
Duluth, GA 30096
www.isescorp.com

ISES Corporation: Celebrating 30 years of Optimizing Facilities Portfolios •Facilities condition assessments and asset management/capital planning software •Utility infrastructure assessments •Preventive maintenance planning and programming •Maintenance operations consulting services.

Our nationwide client base includes higher education, federal, state and local government entities, healthcare and research institutions, laboratories, and private sector and institutional clients.

Janus International

BOOTH# 1915

135 Janus International Blvd.
Temple, GA 30179
www.janusintl.com

Janus International Group, is the safe, secure, and convenient solution for additional storage throughout your facility. With Moveable Additional Storage Structures (MASS), you can customize your portable units from configuration to color; making them the perfect fit for schools, sport complexes, military bases, and any other facility that needs a cost effective solution for maintaining growth.



Johnson Controls

BOOTH# 2029

507 E. Michigan St.
Milwaukee, WI 53202
www.jci.com

Johnson Controls is making the world safer, smarter and more sustainable — one building at a time. Our technology portfolio integrates every aspect of a building whether security systems or energy management.

JPG Plumbing & Mechanical Services

BOOTH# 2053

8260 Paturrent Range Road
Jessup, MD 20794
www.jpgservices.com

JPG Plumbing and Mechanical Services, Inc. has been serving the MD, DC and VA area since 2006. We are your answer for repair, replacement, installation and maintenance of your plumbing, mechanical and HVAC systems.

Karndean Design Flooring

BOOTH# 1836

1100 Pontiac Court
Export, PA 15632
www.karndean.com

With Karndean Designflooring LVT, get the look and feel of natural products with the durability and resilience of luxury vinyl. Our waterproof floors stand up to spills and outside debris that is tracked indoors and can be easily cleaned and maintained by on-site staff — no sanding, varnishing or staining required.

Kautz Construction and KC Green Energy

BOOTH# 2024
1262 Loop Road
Lancaster, PA 17601
<http://www.kautzconstruction.com>

For 45 years, Kautz has been a provider of premier service in commercial roofing, residential roofing and general construction. With the importance of green initiatives, we became certified in Green Vegetative Roof and Solar Electric Energy systems. Our solar electric division specializes in roof/ground mount systems for commercial, agricultural and residential. Given our specialties, we are the "single source solution".



Kee Safety Inc.

BOOTH# 2319
100 Stradtman St.
Buffalo, NY 14206
www.keesafety.com

Kee Safety is the world's leading fall protection expert. We engineer, manufacture and install fall protection solutions that safely separate people from hazards. Our OSHA-compliant products and systems are third-party tested and trusted to ensure consistent performance at the highest level.

Keltron

BOOTH# 2123
101A First Ave.
Waltham, MA 02451
www.keltroncorp.com

Develops and manufactures UL-listed alarm management systems that improve response to fire and life safety incidents at multi-building facility and municipal environments. Solutions support and unify within a single view, multiple models and brands of alarm panels and alarm signaling technologies, providing an integrated system of fire and life safety alarm monitoring, dispatching and reporting. ISO 9001-certified, made in the USA.

KEYper Systems

BOOTH# 1725
5679 Harrisburg Industrial Park Dr.
Harrisburg, NC 28075
www.keypersystems.com

America's premier key management systems. Protect keys and assets, and establish accountability across your business. Electronically controlled steel cabinets store and restrict access to keys,

and can only be opened by authorized users. Web-based administration allows system management from any PC within your organization. Track key and user activity in real time, and perform analysis with audit trails and reports.

LAYER

BOOTH# 1511
440 N. 8th St.
Lincoln, NE 68508
www.layer.team

LAYER is a multi-platform app that makes it easy for facilities managers and owners to capture building data and photos to manage work orders, equipment, and team communication from one easy-to-use dashboard. Desktop/iOS/Android. Visit www.layer.team/facilities

LB&B Associates Inc.

BOOTH# 1731
9891 Broken Land Pkwy., Suite 400
Columbia, MD 21046
www.lbbassociates.com

LB&B provides complete facility operation, maintenance, repair, custodial, and grounds services. We also provide Base Operations, Logistics Services, Warehousing and Distribution, Training Systems & Simulator O&M. Audio Visual/ Communications Support and Along-Side Fuel Support Services. We have provided services to most Federal government agencies, multiple state governments and numerous commercial clients.

Levrack

BOOTH# 1944
2840 O Street Road
Seward, NE 68434
www.levrack.com

Levrack combines the best of pallet racking and mobile aisle shelving for a fully suspended, high density storage solution system compatible for any facility in any industry.

Life Safety Engineered Systems

BOOTH# 1400
60 Sonwil Drive
Cheektowaga, NY 14225
www.lifesafetysecurity.com

Innovated Commercial Fire and Security Solutions.

LiftMaster

BOOTH# 1509
300 Windsor Dr.
Oak Brook, IL 60523
www.liftmaster.com

LiftMaster is the number one brand of professionally installed residential garage door openers, as well as a major manufacturer of commercial door

operators, residential and commercial gate operators, telephone entry systems and related access control products. LiftMaster's expansive line of state-of-the-art commercial products are designed to fit application, providing the latest technology and innovations in safety, security and convenience.

Light Efficient Design

BOOTH# 2419
188 South Northwest Highway
Cary, IL 60013
www.led-llc.com

Light Efficient Design has been the industry leader in commercial Screw-In Retrofit lighting for ten years. In early 2018 Light Efficient Design and RemPhos Technologies have merged to expand on an already innovative line of Screw-In Retrofits, Pin Base LED Retrofits, LED Retrofit Kits, LED Fixtures and specialty LEDs for unique applications.

M3T Corporation

BOOTH# 2537
2250 Bumble Bee Hollow Rd
Mechanicsburg, PA 17055
www.M3Tcorporation.com

System Integration (Access Control, Badging, Intercoms, Intrusion and Video Surveillance), Hardware Integration (Door Hardware, Keying/Locksmith Services and Safes/Vaults/Fireproof File Cabinets), Automatic Access Integration (Powered Pedestrian Doors, Turnstiles and Vehicle Gates), Technical Services & Cyber Security (Cyber Security, Hosted Solutions — VAHMS Cloud-based Video and Access Control, Information Security, Network Services and Wireless Systems), and Service Integration (Maintaining Client Systems and AAADM Inspections).

Magnolia Plumbing

BOOTH# 1723
600 Gallatin St., NE
Washington, DC 20017
www.magnoliacompanies.com

Plumbing, HVAC, drain cleaning, tank pumping, stormwater management.

Maintenance Troubleshooting International

BOOTH# 2445
1 Arlington St.
Newark, DE 19711
www.mtroubleshooting.com

Extensive Hands-On Training Seminars for Mechanical or Electrical Maintenance Mechanics given at our Hands-On Training Center in Newark Delaware (3 minutes off of I-95) or at your plant location (Our Hands-On Road Show).

EXHIBITOR LISTINGS

Marathon Technology Solutions Inc./Blackpoint Cyber

BOOTH# 1627
Eldersburg/Ellicott City, MD
www.marathontechinc.net/www.blackpointcyber.com

Marathon is a premier telecom infrastructure and security integrator that consistently provides our clients with superior installation and exceptional service.

Blackpoint is a cyber security company specializing in securing internet-of-things (IoT) networks. Leveraging its 24/7 Managed Detection and Response (MDR) service, Blackpoint helps the building operation industry secure its properties from cyber-attacks.

Marks USA

BOOTH# 2513
365 Bayview Ave.
Amityville, NY 11701
www.marksusa.com

Marks USA is a security lock hardware manufacturer located in Amityville, N.Y. Marks USA's product lines include architectural grade, BHMA and UL code compliant LocDown™ mortise, cylindrical and tubular locksets, electronic access control, biometrics, LifeSaver™ hospital/life safety and anti-ligature locksets, ornamental iron locksets, HI-SECURITY™ Cylinders and panic devices.

Martin Technical

BOOTH# 1808
8687 W. 108th Ave.
Westminster, CO 80021
www.marttechnical.com

Experts in industrial safety providing Lockout Tagout Services, Electrical Safety, Arc Flash, Electrical Engineering & Analysis, EHS, Machine Safety, Confined Space, Safety Products, Consulting & Training with Software Solutions by Safety Hive to fit all your industrial safety needs.



Maryland/DC Chapter of APPA

BOOTH# 2442
P.O. Box 37012
Washington, DC 20560-0511
www.mddcappa.org

The purpose of MD/DC APPA is to educate our constituents keeping current with industry trends, new methodologies, management trends, and provide networking opportunities for peers and service providers.

MB Metal Technologies, LLC

BOOTH# 1622
403 S. Hawley Rd
Milwaukee, WI 53214
www.markinbox.com

Direct Part Marking and Asset Tagging Made Easy. Featuring Patmark and MarkinBOX Dot Peen Markers, with an extensive list of additional solutions to make all of your part marking tasks a breeze. Come by Booth #1622 for Marking Demos and to learn more about all of our product offerings.

Michael Bryan Services

BOOTH# 2159
7901 Winterset Ave.
Pikesville, MD 21208
www.michaelbryanservices.com

Michael Bryan Services provides commercial landscaping, snow removal and construction services for any size property. Specializing in mission critical, 24/7/365 operations, we provide reliable, effective and professional results.



Mitsubishi Electric Elevators & Escalators

BOOTH# 2043
5900-A Katella Ave.
Cypress, CA 90630
www.mitsubishielelevator.com

Mitsubishi Electric US, Inc. Elevator and Escalator Division sells, installs, modernizes and services elevators and escalators. Additional information is available at www.MitsubishiElevator.com or 800/988-8474.

Mobile-Shop Co.

BOOTH# 2119
30 Temple St.
Nashua, NH 03060
www.mobile-shop.com

The Mobile-Shop® was developed by industry professionals to conform to lean design principles (5S and LeanSigma). Our complete facility maintenance system is proven to dramatically reduce time wasted searching for or retrieving the tools and parts needed to properly complete any maintenance task.

Monico, Inc.

BOOTH# 2152
18532 Klein Church Rd.
Spring, TX 77379
www.monicoinc.com

We specialize in data acquisition, protocol conversion and remote monitoring.

Monnit

BOOTH# 1515
3400 South West Temple
Salt Lake City, UT 84115
www.monnit.com

Monnit Wireless Sensors are the Check Engine Light for Facilities. Our sensors allow you to remotely monitor what matters most. If something goes wrong, you (or your team) are instantly alerted via text, email, or call. Protect people, places, and things with Monnit's award-winning sensors for facility maintenance.

Monroe Infrared Technology

BOOTH# 2359
P.O. Box 522
Brunswick, ME 04011
www.monroeinfrared.com

Monroe Infrared provides professional infrared inspections (both ground and aerial/drone) for electrical safety, roof moisture detection, solar panel systems, HVAC, energy efficiency, mechanical systems and power distribution. We also provide training for infrared inspectors nationwide and are a Platinum distributor of FLIR thermal cameras.

Morin Distribution

BOOTH# 2525
9305 Gerwig Lane, Suites V-Y
Columbia, MD 21046
www.morindistribution.com
BAC cooling towers, Lakos, Incom.

Multitherm Coils LLC

BOOTH# 2556
11 General Warren Blvd.
Malvern, PA 19355
www.multithermcoils.com

Whether it's new, retrofit or replacement coils, MultiTherm Coils can successfully and economically accommodate a customer's heating or cooling requirements however exacting they may be. We build HVAC Coils of all types, Industrial Coils, Tube bundles, Heat Exchangers. We specialize in quick ship and are capable of 3, 5 or 10 days on most custom, new and replacement coils.

mySupplier

BOOTH# 1602
5935 Shiloh Road East, Suite 400
Alpharetta, GA 30005
www.mysupplier.com

mySupplier, a women-owned business, partners with Lighting Contractors and ESCOs to improve their operations and bottom line by providing LED alternative solutions and global design services that reduce overall costs, scale the business and ultimately win more projects.

NALCO Water, an Ecolab Company

BOOTH# 2512

1601 W. Diehl Road
Naperville, IL 60563

www.ecolab.com/nalco-water

Keep your facilities operating efficiently with Nalco Water, An Ecolab Company. Our solutions for water, air, energy management and facility maintenance deliver maximum ROI by reducing energy costs, protecting building assets, minimizing risk and increasing tenant satisfaction. Trusted at over one million customer locations, Nalco Water and Ecolab specialize in sustainable programs including our 3D TRASAR Solid Cooling Water Program.



National Association of Power Engineers

BOOTH# 1409

5707 Seminary Road, Suite 200
Falls Church, VA 22041

www.powerengineers.com

The National Association of Power Engineers (NAPE) is the nation's oldest membership organization dedicated to advancing the profession and its members. Meet representatives of local NAPE chapters and learn about the many benefits available through membership. Representatives of the NAPE Educational Foundation will also be present to share information on upcoming classes in Electrical, HVAC, Boilers and license exam preparation.

National Compressor Exchange, Inc.

BOOTH# 2466

75 Onderdonk Ave.
Ridgewood, NY 11385

www.nationalcompressor.com

One of the largest independent suppliers of replacement as well as new Compressors in the industry today. All of the major O.E.M lines are in stock and ready to ship nationwide. Complete line of support parts as well. Reciprocating, screw, open drive, scroll type-visit us online or call for immediate price and lead times.

National Fire Sprinkler Association

BOOTH# 2441

514 Progress Drive, Suite A
Linthicum Heights, MD 21090

www.nfsa.org

Voice of the Fire Sprinkler Industry since 1905.



National Institute of Building Sciences

BOOTH# 2451

1090 Vermont Ave., N.W., Suite 700
Washington, DC 20005-4905

www.nibs.org

The National Institute of Building Sciences is a non-profit, non-governmental organization that brings together representatives of government, the professions, industry, labor and consumer interests to identify and resolve building process and facility performance problems through collaboration. The Institute serves as an authoritative resource for both the private and public sectors with respect to the use of building science and technology.



National School Plant Management Association

BOOTH# 2568

515 North Ave
New Rochelle, NY 10801

<http://nspma.org>

The National School Plant Management Association, NSPMA, was formed in the interest of enhancing and promoting the educational process. Its purpose is to provide for the exchange of information that improves school plant management, maintenance and care through the promotion of acceptable policies, standards and practices; and to promote the professional advancement of school plant management personnel.



Natural Choice Corp.

BOOTH# 2036

4601 Interstate Blvd.
Loves Park, IL 61111

www.naturalchoicewater.com

Leading facilities throughout the world use Natural Choice water filtration systems, such as the ION drinking water appliance. Winner of design awards and several patents, the ION easily replaces bottled water coolers and drinking fountains.

Navien Inc.

BOOTH# 2412

20 Goodyear
Irvine, CA 92618

www.navien.com

Innovations make Navien the best choice for commercial domestic hot water applications. Building owners and managers appreciate the efficiency, reliability and durability of Navien tankless water heaters over other outdated and inefficient systems.

Network Thermostat

BOOTH# 1526

932 Jean St.
Grapevine, TX 76051

www.networkthermostat.com

Stand-alone, fee-free, comprehensive, IoT Building Automation solutions.



New Pig

New Pig Corporation

BOOTH# 2328

5 Pork Ave.
Tipton, PA 16684

www.newpig.com

New Pig helps over 300,000 industrial, commercial and retail facilities in 100+ countries find better ways to keep their sites clean and safe. We invented the adhesive-backed floor mat and offer the world's only full line, including custom-printed logo mats. PIG products are the proven solutions for preventing safety risks, lowering costs and minimizing insurance incidents. To learn more or get a free sample, call 1-855-474-7791.



NFMT

BOOTH# 1203
2100 W. Florist Ave.
Milwaukee, WI 53209
www.nfmt.com

NFMT is the flagship event in a suite of live events produced throughout the year by *Building Operating Management* magazine and *Facility Maintenance Decisions* magazine. Additional events include Critical Facilities Summit in Dallas TX, September 23-25 and NFMT Orlando November 13-14. To learn more about any of these live events or the NFMT membership program stop by booth 1003.

Nordfab LLC

BOOTH# 1834
150 Transit Ave.
Thomasville, NC 27360
<https://www.nordfab.com/en-us>

Nordfab Ducting manufactures Quick-Fit®, a modular ductwork system for dust, mist, and fume collection. QF duct can be installed in half the time of traditional ducting and is easily disassembled, cleaned, and reassembled without tools. Galvanized or SS construction. Range of duct material thicknesses (gauges) to suit your application.



Northeast Energy Efficiency Partnerships

Northeast Energy Efficiency Partnerships

BOOTH# 1405
81 Hartwell Ave.
Lexington, MA 02421
www.neep.org

Making energy efficiency a solution for a carbon-restrained future.

Northeastern Supply

BOOTH# 2156
8323 Pulaski Hwy.
Baltimore, MD 21237
www.northeastern.com

Northeastern Supply provides quality plumbing, HVAC and water system products from 35 locations to contractors

and maintenance facilities throughout the Mid-Atlantic area.

Notifii

BOOTH# 1514
8150 Sierra College Blvd., Suite 230
Roseville, CA 95661
www.notifii.com

Notifii Track is a cloud-based package management software that will streamline your mail-room operations. Quickly and easily scan packages, automatically send notifications and capture proof-of-deliveries.

NTT Training

BOOTH# 2418
6675 S. Kenton St., Suite 100
Centennial, CO 80111-6823
www.nttinc.com

NTT Training helps America maintain a highly safe and proficient skilled workforce. NTT has trained over 1,000,000 employees at thousands of companies around the world. Each of our master instructors brings an average of 30 years of real-world experience into the classroom. Plus, only NTT has full-sized equipment for the widest variety of courses to ensure that students actually learn by doing.

O'Leary Asphalt Inc.

BOOTH# 2257
9626 Doctor Perry Road
Ijamsville, MD 21754
www.olearyasphalt.com

Asphalt, concrete and snow & ice management.

Oasis International

BOOTH# 1934
222 Campus View Blvd.
Columbus, OH 43235
www.oasiscoolers.com

OASIS International is a global leader in the design, manufacture and distribution of clean drinking water systems. Since 1910, we've sold over 13 million water coolers and drinking fountains, and our products can be found in use around the world. We're continuously innovating dynamic products such as bottle fillers/hydration stations, water coolers, drinking fountains, bottle/bottleless coolers and water filtration solutions.

ONICON Incorporated

BOOTH# 2136
11451 Belcher Rd. S
Largo, FL 33773
www.onicon.com

ONICON Incorporated and Air Monitor Corporation are manufacturers of water

flow, airflow & energy meters for HVAC applications. These meters are ideal for campus energy, central plant, mixed use facilities, multi-family residential buildings, etc. Retrofit kits are available for installation without shutdown, and communications protocols are available with all meters.

Oregon Outdoor Power Equipment

BOOTH# 2368
4909 SE International Way
Portland, OR 97222
www.oregon120v.com

Commercial grade 120 volt battery outdoor equipment including a String Trimmer, Backpack & Handheld blowers, Edger, Hedge Trimmer and mower.

Orion Energy Systems

BOOTH# 2020
2210 Woodland Drive
Manitowoc, WI 54220
www.oesx.com

Orion is a provider of enterprise-grade LED lighting and energy project solutions. Orion manufactures and markets connected lighting systems encompassing LED solid-state lighting and smart controls. Orion systems incorporate patented design elements that deliver significant energy, efficiency, optical and thermal performance that drive financial, environmental, and work-space benefits for a wide variety of customers, including nearly 40% of the Fortune 500.

Overly Door Co.

BOOTH# 2541
574 W. Otterman St.
Greensburg, PA 15601
www.overly.com

For more than 60 years, Overly Door Co. has been an industry leader in the design, testing and manufacturing of specialty door and fixed window systems. These systems include the disciplines of sound control, blast-resistant, bullet-resistant, fire-resistant, and security.

Parkland Plastics

BOOTH# 1425
P.O. Box 339
Middlebury, IN 46540
www.parklandplastics.com

Parkland Plastics is the original manufacturer of Spectratile Waterproof Ceiling Tile! Stop replacing ceiling tiles today! Parkland also manufactures durable wall panels from recycled plastics for high traffic facilities. Whether you are looking for pebbled panels for the back end areas or woodgrains and stone panels for front of house, Parkland has a solution for you.

PBI Restorations

BOOTH# 2348

16 Stenersen Lane, Unit 1-A
Hunt Valley, MD 21030
www.pbirestores.com

PBI provides commercial construction for the Multi-family, Assisted Living, Office, Educational, Hospitality, Medical and Retail Markets. PBI's core business is new construction, renovations, additions, design/build, construction management and capital improvement. PBI also provides emergency services for Fire, Flood and Storm including structural drying and environmental remediation. These services are available 24/7 throughout MD, DC and N.VA.

PCBM Facility Management

BOOTH# 1633

5627 State Hwy 276 West
Royse City, TX 75189
www.parkcbm.com

PCBM, your full service Facility Management Group to handle all your facility needs from Small Repairs to Renovations. We can also provide a in-house Work Order Management system to streamline our connection.



PDC IDenticard

BOOTH# 1941

148 E. Stiegel St.
Manheim, PA 17545
www.identicard.com

PDC IDenticard® is an innovative manufacturer of unified access control & badging solutions. PremiSys™ access control integrates with video management systems from leading manufacturers and provides the industry's most versatile wireless lock integrations. Other features include mobile apps, dynamic mapping, dashboard, and a robust reports generator.

Pennoni

BOOTH# 2225

1900 Market St.
Philadelphia, PA 19103
www.pennoni.com

As a multidisciplinary consulting engineering firm, Pennoni approaches engineering challenges from a wider spectrum of angles than most, from land development to energy management. Our goal is to help clients navigate the ever-changing technological advancements

available and learn how best to integrate "smart" solutions into the current landscape and make them a part of resilient and sustainable planning.

Planned Companies

BOOTH# 2500

150 Smith Road
Parsippany, NJ 07054
www.plannedcompanies.com

With more than 100 years experience, Planned Companies — through our subsidiaries, Planned Building Services, Planned Security Services and Planned Lifestyle Services — delivers unsurpassed consistency, accountability and quality of service to its corporate, commercial, retail and residential properties.

Polyglass U.S.A. Inc.

BOOTH# 2044

1111 W. Newport Center Drive
Deerfield Beach, FL 33442
www.polyglass.us

Polyglass U.S.A. Inc. is a leading manufacturer of roofing and waterproofing systems for low- and steep-slope applications.



PotholeRepair.com

BOOTH# 2552

8220 Grey Eagle Drive
Upper Marlboro, MD 20772
www.potholerepair.com

Pothole Repair.com is the opposite of a paving company — we specialize strictly in small scale asphalt damage. Providing durable repairs as a solution for potholes before your asphalt problems get worse and become hazards costly to repair. We also provide strategic asphalt maintenance to maximize the life of your lots with our Pavement Preservation Program.

Potter Electric Signal Company LLC

BOOTH# 2440

5757 Phantom Drive, Suite 125
St. Louis, MO 63042
www.pottersignal.com

Potter offers solutions to corrosion in fire sprinkler systems. Stop leaks and failures of dry or pre-action systems with Potter intelligent Nitrogen Generators and purge valves. Protect wet sprinkler systems with automatic air vents and wet inerting. Increase fire sprinkler system life while decreasing costs. Outsmart corrosion and equip yourself with knowledge with Potter's comprehensive training and educational resources.

Powerhouse

BOOTH# 2264

812 S. Crowley Rd., Suite A
Crowley, TX 76036
www.powerhousenow.com

Powerhouse leverages unparalleled service and technology to implement solutions that enable our customers to maximize brand presence and profitability. We lead the industry in nationwide construction, facilities and rollout services by delivering urgency, constant communication and quick program closeout.

Precision Concrete Cutting

BOOTH# 2252

3191 N. Canyon Road
Provo, UT 84604
www.safesidewalks.com

Precision Concrete Cutting is the leader in uneven sidewalk repair. We make sidewalks safe, ADA compliant, reduce trip and fall liability, and stretch your budget. On average our clients save 80- to 90-percent versus alternative repair methods. Visit our website to schedule a free demonstration or property survey. www.safesidewalks.com



Professional Grounds Management Society

BOOTH# 2458

2331 Rock Spring Road
Forest Hill, MD 21050
www.pgms.org

PGMS is a leading provider in green industry education, certification, and networking. The majority of members are institutional grounds managers who work for organizations such as colleges and universities, municipalities, park and recreation facilities, office parks, apartment complexes, hotel/motels, cemeteries, theme parks, etc. PGMS membership also includes independent landscape contractors, students, educators, and Supplier members.



ProFM™ Credential Program

BOOTH# 2325
2975 Lone Oak Drive
Eagan, MN 55121
www.ProFMi.org

Show the world you're a Pro with the ProFM credential! Update and expand your technical FM knowledge and managerial skills to today's global standard with leading edge training covering the 24 Things Every FM Should Know. Whether you're new to FM or have decades of experience, ProFM demonstrates you're prepared to take on any FM challenge with expertise and confidence.

Protegis Fire & Safety

BOOTH# 2243
1516 Jabez Run
Millersville, MD 21108
www.protegis.com/baltimore-md.html

For all of your commercial and residential fire protection needs. Our services range from the installation of fire protection systems in new construction projects to retrofits, to service, testing and inspection of fire sprinkler systems, fire alarm systems, fire extinguishers, kitchen hood systems and emergency lights.

PS Flood Barriers

BOOTH# 2452
1150 S. 48th St.
Grand Forks, ND 58201
www.psfloodbarriers.com

PS Flood Barriers products can preserve your building from dangerous and costly flooding by ensuring important equipment, generators and assets are dry. The Pedestrian and Mechanical Room Flood Door, act as normal use doors and are always in place. Flood Wall systems are a removable flood-proofing solution, custom built to fit your opening size. All products are USA made.

Pure Air Control Services, Inc.

BOOTH# 2235
4911 Creekside Drive, Suite C
Clearwater, FL 33760
<https://www.pureaircontrols.com>

Since 1984 we have improved building and HVAC health and performance across more than 600 million square feet! Our IAQ and energy driven services focus on HVAC health/maintenance/prioritization assessments and total restoration solutions that recapitalize old equipment and payback with energy savings.

Pure Water Technology of Central PA, Inc.

BOOTH# 2245
1200 Corporate Blvd.
Lancaster, PA 17601
www.purewaterpa.com

Pure Water Technology provides state-of-the-art, cost-efficient workplace drinking water systems. With our water purification technology that removes impurities and prevents the growth of bacteria, you get the most healthful, fresh, best-tasting water possible. From our five offices, we serve businesses throughout southeastern Pennsylvania, northern Maryland, and northern Delaware. We guarantee your satisfaction with our superior service and support.

Q Ware

BOOTH# 2116
150 State St.
Rochester, NY 14614
www.qwarecmms.com

Q Ware is a practical cloud based CMMS application for facilities professionals looking for an easy-to-navigate system. Unlike other systems that sometimes over complicate their software, Q Ware is designed to provide an exceptional customer experience.

Quadlogic Controls Corp.

BOOTH# 1937
33-00 Northern Blvd.
Long Island City, NY 11101
www.quadlogic.com

Since 1982, Quadlogic has been a leader in the manufacturing of utility-grade meters and advanced submeter systems. Today, Quadlogic is launching new products that interface with building automation systems via BACnet and Modbus. Data is accessible via LAN and internet and can be stored in the Cloud. Quadlogic also provides a full range of reading and billing services.

Quench USA, Inc.

BOOTH# 2324
630 Allendale Road, Suite 200
King of Prussia, PA 19406
<https://quenchwater.com>

Quench USA offers Water-as-a-Service™ solutions by providing filtered water systems, including bottleless water coolers, ice machines, sparkling water dispensers, and coffee brewers, to 50,000+ customers across North America, including over half of the Fortune 500. To learn more, please visit our website: <https://quenchwater.com>.

RAB Lighting

BOOTH# 2246
170 Ludlow Ave.
Northvale, NJ 07647
www.rablighting.com

RAB Lighting is committed to creating high quality, affordable, well designed and energy-efficient LED Lighting and controls that make it easy for distributors to sell, electricians to install and end-users to save energy. Located in Northvale, NJ and founded in 1946, RAB offers well-designed, professional grade lighting through a broad network of electrical distributors. Call (888) RAB-1000 or visit www.rablighting.com.

Rabine Paving Mid Atlantic

BOOTH# 2165
2750 Marble Court
District Heights, MD 20747
www.rabinepavingmidatlantic.com

Rabine Paving Mid Atlantic offers local services throughout the region and can accommodate national work through our corporate group.

Our Services Include: Asphalt, Concrete, Striping, Sealcoating, Crack Sealing, Patching, Snow Removal, Storm Water Management, Underground Utilities, Excavation, Pipetelevising, Decorative Pavement, Scopes and Site Assessments.

RCI Technologies East

BOOTH# 1737
3485 Rockefeller Court
Waldorf, MD 20602
www.rcitechnologies.com

RCI Technologies, a manufacturer/distributor servicing industry for more than 20 years offers a unique and complete line of Patented "Green Clean Certified" filterless universal fuel purifiers, portable fuel cleaning units and NEMA 4 UL 508A automatic fuel recirculating systems. RCI's reengineered recirculation systems have been designed to satisfy the TIER IV stored fuel cleanliness requirements.

ReadyVIS by Passero Associates

BOOTH# 1427
242 W. Main St., Suite 100
Rochester, NY 14614
www.readyvis.com

Passero Associates is a full-service architecture and engineering consulting firm including in-house survey, planning and application development. ReadyVIS specializes in emerging technologies including the use of drones, 3D modeling and real-time interactive application development. Our unique integrated workflows and use of advanced technologies allow us to provide custom fit solutions to many of the challenges that facility managers face.

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RectorSeal

BOOTH# 2429
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www.rectorseal.com

RectorSeal, 1937 a leading manufacturer of chemical specialty products for professional tradesmen. Steady growth has been achieved through a commitment to producing the highest quality products for the Plumbing and Firestopping contractor. RectorSeal® manufactures a complete line of thread sealants, firestopping products, solvent cements, Fluxes and specialty products including SureSeal®174, Clean Check®, TripleGuard™, Hubsett™, Magic Vent™ and Golden Tools™.

Reliable Controls Corp. USA

BOOTH# 2313
 120 Hallowell Road
 Victoria, BC V9A 7K2
www.reliablecontrols.com

Reliable Controls specializes in the design and manufacture of Internet-Connected Building Controls. Our MACH-System™ monitors and controls the complete spectrum of HVAC building equipment including lighting and access control while remaining simple, flexible and sustainable that offers long term value. Our products utilize the ASHRAE standard BACnet protocol and ship with a 5-year warranty.



RenewAire

BOOTH# 1609
 201 Raemsich Road
 Waunakee, WI 53597
www.renewaire.com

For over 35 years, RenewAire has been a pioneer in improving people's health, cognitive function, productivity and wellbeing by enhancing indoor air quality (IAQ) via energy recovery ventilation technologies. This is done energy-efficiently, cost-effectively and sustainably via fifth-generation, static-plate, enthalpy-core Energy Recovery Ventilators (ERVs) and Dedicated Outdoor Air Systems (DOAS).

RESCON Restoration and Construction

BOOTH# 2259
 1001 Prince Georges Blvd., Suite 100
 Upper Marlboro, MD 20774
www.gorescon.com

RESCON® Restoration & Construction is a full-service emergency restoration provider to commercial properties damaged by floods, storm, fire, mold, bio-hazards.

No matter the size, we are your trusted partner to restore your property and give back what disaster took. Serving customers in the Northeast.

Reynolds Restoration Services

BOOTH# 2153
 3539 N. 6th St.
 Harrisburg, PA 17110
www.reynoldsrestoration.com

Reynolds Restoration Services is the premier disaster restoration and reconstruction company in the Pennsylvania, New Jersey, Delaware, Virginia, and Maryland service areas. We're on-call 24/7 year-round to respond to fire, storm, water, and mold damage. Under our no-cost Proactive Restoration and Emergency Planning program, we work with facility directors to ensure a proper emergency and disaster plan is in place.

RIDGID

BOOTH# 2420
 400 Clark St.
 Elyria, OH 44035
www.ridgid.com

RIDGID is a global manufacturer of more than 300 dependable and innovative tools, trusted by the professional trades in over 100 countries. RIDGID products are purpose-built to help professionals in the demanding commercial, industrial and energy markets install and maintain the world's infrastructure with greater certainty and efficiency. Headquartered in Elyria, Ohio, RIDGID is a business unit of Emerson™, a global innovator in technology and engineering.

Rimkus Building Consultants

BOOTH# 1814
 8 Greenway Plaza, Suite 500
 Houston, TX 77046
www.rimkusbuildingconsultants.com

Rimkus Building Consultants combines extensive expertise in design, construction, operations and maintenance. From building envelopes and structural systems to roadways, bridges, electrical systems and the entire range of built environments, we work with customers to bring engineering skills and innovative thinking to proactively help mitigate risks and defects and maximize life cycles.



RLE Technologies

BOOTH# 1928
 104 Racquette Drive
 Fort Collins, CO 80524
www.rletech.com

RLE Technologies is a global provider of raised floor, containment, leak detection, facility monitoring, and system integration products. Our wired and wireless monitoring systems provide peace of mind for facility stakeholders, and over 16 million feet of our patented leak detection cable is installed in facilities worldwide. RLE's products are proudly designed, engineered, and manufactured in the USA.

Rubbermaid Commercial Products

BOOTH# 2167
 3124 Valley Ave.
 Winchester, VA 22601
www.rubbermaidcommercial.com

Rubbermaid Commercial Products is an established global leader, pioneering exceptional products that outperform and outlast the competition. For over 50 years, RCP has provided solutions with industry-leading durability to meet the challenging demands of commercial facilities.

Rudolph Supply

BOOTH# 2161
 6618 Amberton Road, Suite 500
 Elkridge, MD 21075
www.rudolphsupply.com

Rudolph's is a local office products business with over 70 local employees and services over 3,000 customers in the Baltimore/DC metro area. Our corporate office and warehouse facilities are located in Baltimore. We are a woman-owned Maryland State Certified Minority Business Enterprise (MBE-94-126). We also maintain minority status with Prince George's County, WMATA, MWAA, Virginia and Delaware.

Ruff Roofers Inc.

BOOTH# 2561
 1420 Knecht Ave
 Baltimore, MD 21227
www.ruffroofers.com

A 4th generation, family owned roofing company that is celebrating over 80 years in business. We can service all roof types (Metal, Cedar, tiles, Slate, Shingles, TPO, EPDM, PVC, Mod Bit, Green) and provide outstanding maintenance so that you can rest assured that Ruff Roofers is available for all of your roofing, waterproofing, wall panel and gutter needs.

Rusoh, Inc.

BOOTH# 1508
 3925 North Hastings Way
 Eau Claire, WI 54703
www.rusoh.com

Rusoh, Inc. is dedicated to revolutionizing the fire extinguisher industry with innovative, quality products that maximize both preparedness and protection. Rusoh has introduced the Rusoh® fire extinguisher, the next evolution in dry chemical fire extinguishers.

Safe-T-Nose

BOOTH# 1936
 1640 Salem Industrial Dr NE
 Salem, OR 97301
<http://www.safetnose.com>

Safe-T-Nose® Photo-Glo® products provide life-saving glow to show you the way out. All of the egress path markings for stairways. Photoluminescent EXIT signs replace electric ones, saving time, money, and waste. Exit Door Kits enhance emergency evacuation with better markings for exit doors. We are UL listed and ASTM tested. Additional info: www.safetnose.com or 855-723-6673

Safety Rail Company

BOOTH# 2335
 4244 Shoreline Drive
 Spring Park, MN 55382
www.safetyrailcompany.com

Safety Rail Company, Spring Park, Minnesota is the premier manufacturer of passive fall protection railing systems for industrial/commercial applications. We manufacture Mobile and Permanent Safety Rail, Skylight and Roof Hatch Guards, Safety Gates, Warning Line Systems and Ladders. From concept to completion, Safety Rail Company will analyze your fall hazard need, specify a suitable solution, manufacture the required products and install on your facility.

SALTO Systems

BOOTH# 2253
 1780 Corporate Drive
 Norcross, GA 30093-292
www.salto.us

We're driven by innovation. Guided by our insights into customer needs, SALTO delivers industry-leading, next-generation electronic locking solutions without wires and without mechanical keys. By continually being first to anticipate market needs in a rapidly evolving marketplace, we set new standards in security, manageability, and scalability.

Sapling Company Inc.

BOOTH# 1710
 1633 Republic Road
 Huntingdon Valley, PA 19006
www.sapling-inc.com

Sapling provides state-of-the-art synchronized clock systems.

SATEC Inc.

BOOTH# 2037
 10 Milltown Ct
 Union, NJ 07083
www.satec-global.com

SATEC is a global leader of intelligent power measurement instruments. SATEC offers energy and power quality meters ranging from basic power meters to advanced power quality meters and specializes in multichannel energy meters. We provide both local and cloud server based energy management software used for variety of different applications to monitor SATEC and non-SATEC devices.

**Schluter Systems**

BOOTH# 2258
 194 Pleasant Ridge Road
 Plattsburgh, NY 12901
www.schluter.com

Schluter®-Systems creates and manufactures installation for tile and stone. We are committed to the improvement and promotion of tile installations worldwide through the development of practical, innovative products for ceramic and stone tile, educational programs and personalized service. Our products include: edge-protection and transition profiles, stair-nosing profiles, a shower system, uncoupling and drainage membranes, balcony and terrace accessories, etc.

Scotch Corporation

BOOTH# 2446
 1255 Viceroy Drive
 Dallas, TX 75247
www.scotchcorp.com

Scotch Corporation/Instant Power® Professional is a leading national manufacturer of drain openers and biological drain cleaners. The Instant Power® Professional products are the most effective nonacid drain care products on the market and include: Heavy Duty Drain Openers, bio-enzyme drain cleaners, septic system treatment and many others.

SealMaster

BOOTH# 2248
 10817 Williamson Lane
 Cockeysville, MD 21030
www.sealmaster.net

As one of the world's largest manufacturers of pavement sealer and sealcoat, pavement maintenance professionals rely on SealMaster as their key supplier of sealcoating and pavement maintenance products and equipment to repair, protect, preserve and beautify asphalt pavement surfaces including parking lots, airports, roads, driveways and sport surfaces.

Securitech Group, Inc.

BOOTH# 2222
 54-60 46th St.
 Maspeth, NY 11378
www.securitech.com

Securitech provides various industries and markets code-compliant locking solutions. From its award-winning retrofit and new construction school locking/safe haven solutions, it's ligature-resistant behavioral healthcare hardware, to its renowned high-value asset multi-point locking product lines, Securitech solutions provide for a unique niche.

SELECT Hinges/SELECT Products Ltd.

BOOTH# 2241
 3258 Stadium Park Way
 Kakamazoo, MI 49009
www.select-hinges.com

Door Solutions! Doors last longer with SELECT continuous geared hinges, outperforming traditional hinge systems in schools, offices, and public buildings. SELECT Hinges™ are tested for 25,000,000 cycles (equivalent to 60+ years) — more than most doors see in a lifetime. For new or retrofit doors. Reuse your frame, reuse your door. Save Time and Money with SELECT Hinges.

SemaConnect

BOOTH# 2406
 4961 Tesla Dr., Suite A
 Bowie, MD 20715
www.semaconnect.com

SemaConnect is the leading provider of electric vehicle amenities to commercial and residential property markets. A complete EV support partner, SemaConnect delivers a modern property experience through innovative, elegantly designed charging stations and a robust and open network. SemaConnect remains the preferred charging solutions partner to municipal, parking, multifamily, hotel, office, and retail customers across the United States and Canada.

ServiceMaster NCR

BOOTH# 2157
7551 Fordson Road
Alexandria, VA 22306
www.smncr.com

Headquartered in Alexandria, VA since 1986, ServiceMaster NCR provides 24/7/365 emergency disaster restoration services. Services include: Water, fire and smoke restoration, mold testing, sustainable mold remediation, and large loss project management. Also specializing in: biohazard/crime scene cleanup, deodorization, post-construction cleaning, barrier containment and other specialty and technical cleaning services.

SERVPRO

BOOTH# 2347
8626 Brooks Drive
Easton, MD 21601
www.servpro.com

SERVPRO Franchise Professionals are available 24/7/365 to get your business back up and running. Our expertise includes restoration services for fire and water damage, including electronics restoration and document drying. We are also your business's best resource for mold, biohazard and crime scene mitigation cleanup and specialty services with Risk Assessments. Find out more about our commercial restoration specialists.

Sieco-Tech Canada Inc.

BOOTH# 1610
1 Wortley Rd.
London, ON N6C 3N7
www.siecotech.com

Sieco-Tech provides innovative end to end sub-metering solutions at competitive pricing. We manufacture state of the art residential and commercial multi-unit metering panels and single meters. Additionally, our Head-End System utilizes a scalable, secure, and resilient cloud-based data management platform that acts as the foundation of our smart meter architecture.

Snake Tray

BOOTH# 2456
88 Meadow Farm Road
East Islip, NY 11730
www.snaketray.com

Snake Tray is a leading manufacturer and designer of cable management, power distribution and enclosures. Our patented products are designed with features that substantially lower the total cost of construction with savings in labor, material costs and shipping. All products are made in the USA.



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Sodexo

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Gaithersburg, MD 20878
www.sodexousa.com

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Sol Systems

BOOTH# 1732
1101 Connecticut Ave., Suite 200
Washington, DC 20036
www.discover.solsystems.com

Sol Systems serves commercial, municipal, and educational customers who seek competitive and compelling renewable energy solutions. As businesses, cities, and schools increasingly transition into more sustainable, resilient and low-cost energy, Sol focuses on delivering a comprehensive and integrated suite of renewable energy and storage solutions.

spaces4learning

Spaces4Learning

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Dallas, TX 75254
<http://www.spaces4learning.com>

READ | LEARN | CONNECT with institutions, architects, service providers and others who create high-quality facilities. Spaces4Learning brings together a broad array of vital resources and services that keep you abreast of current issues, trends and research; provides professional development opportunities; and connects you with those sharing a common interest.

Special Pathogens Laboratory

BOOTH# 2449
1401 Forbes Ave., Suite 401
Pittsburgh, PA 15219
www.specialpathogenslab.com

Special Pathogens Laboratory, The Legionella Experts®, provides Total Legionella Control, through an integrated platform of validated solutions: Legionella and pathogens testing, consulting and

education, and ZEROutbreak® protection (includes ASHRAE 188 compliance CMS, New York regulations). Our multidisciplinary team, led by internationally renowned experts in Legionnaires' disease prevention, delivers three major benefits: accurate detection, outbreak prevention and liability mitigation. CDC-ELITE NY ELAP.

Special-Lite Inc.

BOOTH# 2047
860 S. Williams St.
Decatur, MI 49045
www.special-lite.com

Special-Lite, Inc., engineers and manufacturers architectural building solutions. Product solutions include building entry products including stile and rail doors, FRP doors, all fiberglass corrosion resistant doors, and specialty doors. In addition we provide custom framing solutions for store fronts and durable long-lasting fiberglass reinforced polyester restroom partitions.

Specialized Pipe Technologies

BOOTH# 1800
5119 Pegasus Court, Suite R
Frederick, MD 21704
www.sptpipe.com

For over 20 years SPT has provided sewer, water line and storm drain inspection, cleaning and non-invasive pipe lining solutions. We help property owners and managers clean, repair and renew their pipes using "no-dig" non-invasive renewal techniques. Learn how SPT can repair leaks and cracks with our internal "pipe-within-a-pipe" lining process that doesn't require tearing out walls or landscaping.

SRP Glass Restoration

BOOTH# 2565
650 Pelham Blvd., Suite 100
St. Paul, MN 55114
www.srpglassrestoration.com

SRP has been a worldwide leader in glass restoration for over 3 decades. The SRP system quickly and easily restores many types of damaged glass, saving you time and money instead of replacing.

Standard Solar Inc.

BOOTH# 2122
1355 Piccard Drive, Suite 300
Rockville, MD 20850
www.standardssolar.com

Standard Solar, Inc. is a leader in the full-service development, construction, integration, financing and installation of solar electric systems. Our team is committed to offering responsible, affordable and energy cost-savings solar solutions and now offers an integrated power purchase agreement (PPA). Find out today how Standard Solar can help you.

STARC Systems, Inc.**BOOTH# 2336**166 Orion St.
Cape Elizabeth, ME 04011
www.starcsystems.com

STARC Systems manufactures an award winning prefabricated, telescopic wall system used by contractors and building owners throughout the United States. For use whenever you need a temporary wall to separate dust, debris and renovation noise from patients, employees and visitors. Install 100' in less than 1 hour.

Starline**BOOTH# 2040**168 Georgetown Rd.
Canonsburg, PA 15317
www.starlinepower.com

Starline products provide site managers with fast and economical solutions for supplying and expanding power distribution throughout facilities. Plug-In Raceway and Track Busway plugs can be accessed at any location to deliver a reliable and convenient power connection to keep offices, critical facilities, and industrial environments working at peak efficiency.

Steadyrack PTY**BOOTH# 2135**7260 Edington Drive
Cincinnati, OH 45249
www.steadyrack.com

Steadyrack's innovative patented design has revolutionized bike parking. Our racks save more space whilst allowing users to easily load and unload their bikes, addressing the two most challenging issues when sourcing a suitable bike rack. In addition our unique design cradles and protects bikes from damage and from damaging other bikes, cars or anyone in the vicinity without sacrificing functionality.

Steel Horse Equipment**BOOTH# 1953**791 W. Bel Air Ave.
Aberdeen, MD 21001
www.steelhorseequipment.com

Distributing commercial/industrial electric personnel and material movers. Sales and service of automatic floor scrubbers and sweepers.

Steril-Aire Inc.**BOOTH# 2520**2840 N. Lima St.
Burbank, CA 91504
www.steril-aire-usa.com

Installed in new or existing HVAC systems, Steril-Aire's system-engineered UVC EMITTERS™ keep cooling coils and drain pans clean of harmful microorganisms. The proven power of UVC energy can improve indoor air quality, enhance HVAC

system performance, save energy in HVAC systems, and eliminate costly and environmentally unfriendly coil cleaning programs. Steril-Aire offers free AHU evaluation and testing. Systems can be monitored via BMS interface.

Sto Corp.**BOOTH# 1722**3800 Camp Creek Parkway, Building 1400
Suite 120
Atlanta, GA 30331
www.stocorp.com

Sto offers advanced restoration for building facades. Our reStore program enables you to safeguard your property's value, increase energy efficiency and refresh your building's curb appeal. Whether you're looking for simple maintenance to remove dirt and mildew or a complete facade restoration, there is a reStore program that provides the next-generation products and technical support you need.

StructureCare**BOOTH# 2042**1850 William Penn Way, Suite 101
Lancaster, PA 17601
www.structurecareus.com

StructureCare® mitigates risk and extends the useful life of parking garages by fully integrating root cause analysis and engineering, predictive maintenance, durable repairs, and team-centered training. Our team of experienced, multidisciplinary professionals becomes an extension of your organization, as a single point of accountability for your parking garages, helping you make smarter, more cost-effective facility decisions.

stryker**Stryker****BOOTH# 2434**11811 Willows Road NE
Redmond, WA 98052
www.strykeremergencycare.com

We are a leader in emergency medical response products, building solutions that help improve patient outcomes. Our focus is providing innovative automated external defibrillator (AED) and readiness data solutions, as well as patient transport options that are durable, reliable and easy to use. Products include LIFEPAK® automated external defibrillators (AEDs) and HeartSine® AEDs.

Sunbelt Rentals**BOOTH# 2007**2341 Deerfield Drive
Fort Mill, SC 29715
www.sunbeltrentals.com

Sunbelt Rentals sets the standard in equipment rental for the facility maintenance industry. We are committed to providing you with the equipment you need and the service you deserve. We offer a list of benefits to our customers, including 24/7 response, online account management and more. Let our trained experts customize the right equipment solution to get the job done.

Sunline Office, LLC**BOOTH# 1929**313 W. 4th St.
Bridgeport, PA 19405
www.sunlineoffice.com

The Future of Cubicles is here with the Sunline sliding series. This revolutionary, modernized, workstation is the easiest cubicle in the world to assemble, disassemble, and reconfigure. The system is fully customizable by height, length, glass, fabric, and more. This astonishing system will save days of setup time and thousands of dollars on the easy installation alone! Tiles simply slide in place!

SunPeak**BOOTH# 1825**1026 Ann St.
Madison, WI 53713
www.sunpeakpower.com

SunPeak is a turnkey commercial solar photovoltaic developer. We work with businesses across the nation to help them realize the cost savings and sustainability benefits of going solar. Our skilled team leverages years of project experience, a proven process, and a standardized design to deliver solar PV systems with the highest level of safety, quality and value for our customers.

TaskEasy**BOOTH# 2571**669 S. West Temple, Suite 300
Salt Lake City, UT 84101
www.taskeasy.com

TaskEasy aggregates local vendors to coordinate and execute yard care services for commercial properties in all 50 states.

TCS**BOOTH# 1821**2800 Laura Lane
Middleton, WI 53562
www.tcsbasys.com

Ubiquity Cloud from TCS enables data-driven energy and operational optimization for multi-site enterprises. As a secure, cloud-based platform, Ubiquity Cloud

EXHIBITOR LISTINGS

integrates thermostats and controls, site management, and analysis into a single, easy-to-use interface. Designed, manufactured and supported in the USA, Ubiquity Cloud allows facilities managers to focus their resources on achieving the best financial results.

Technical Consumer Products, Inc.

BOOTH# 2035
325 Campus Dr.
Aurora, OH 44202
www.tcpi.com

TCP energy efficient lighting manufacturer, dedicated to creating high-quality products for commercial, industrial and residential applications. For more information, visit www.tcpi.com or call 800-324-1496.

Technicraft Product Design

BOOTH# 2425
41 Elgin St., Unit 102
Collingwood, ON L9Y 3L6
www.shutgun.ca

Shutgun is a device used to quickly shut off activated fire sprinkler heads. With water damage exceeding \$2,000 for every minute that the sprinkler is activated having a conveniently located Shutgun on every floor makes sense. The fusible link ensures that if there is a fire the sprinkler is reactivated.

Test Products International

BOOTH# 2034
9615 SW Allen Blvd., Suite 104
Beaverton, OR 97005
www.testproductsintl.com

Since 1997, TPI has been striving to offer the latest technology at the most affordable price to technicians, contractors, engineers and others seeking value based test and measurement instruments. Our mission is to become the leading independent manufacturer and supplier of low cost high performance industrial instrumentation.

TimeMaster

BOOTH# 2353
149 Venture Court
Lexington, KY 40511
www.time-master.com

We like to describe ourselves as a small company with a global footprint. As a trusted supplier of leading safe and vault, access control, and door hardware products, TimeMaster works closely with every customer, on every job, to ensure you have the best experience every time. Stop by booth 2353 to see how we can better secure your facilities today.

TMA Systems LLC

BOOTH# 2124
1876 Utica Square, 3rd Floor
Tulsa, OK 74135
www.tmasystems.com

TMA Systems is a provider of Maintenance Management Software and Computerized Maintenance Management Systems. Our solutions assist facilities in effectively accounting for, maintaining and extending the life of physical assets. With TMA Systems, you have the ability to manage your workflow process from planning stage to the completion of the job.

Top Dog Services

BOOTH# 2560
4705 Olney Laytonville Road
Olney, MD 20832
www.topdogservices.com

Top Dog Services is a Family, Veteran owned and certified small business with over 20 years in Commercial and Airport Snow Removal. Offering the most modern fleet of equipment which provides the smallest carbon footprint currently available. We own the most Treacan snow melters privately help in the United States.

Total Asphalt Technology

BOOTH# 2465
66 Murray Place
York, PA 17403
www.totalasphalt.com

Total Asphalt Technology are consultants and pavement solution providers. We provide pavement condition survey reports and life cycle cost benefit analysis, create strategy, manage and apply high performance treatments. Meet the goals of preservation, improved condition, slow rate of deterioration, reduce life cycle cost. Total Asphalt ... where science meets the road.



TownSteel Inc.

BOOTH# 2547
17901 Railroad St.
City of Industry, CA 91748
www.townsteel.com

TownSteel Inc. is a member of BHMA and a manufacturer of Architectural Builders Hardware. A full line manufacturer offering ANSI Grade 1 Mortise Locks, Cylindrical Locks, Door Closers, Exit Devices. Specializing in Ligature Resistant Locks, Designer Locks, and Electronic Locks. TownSteel is introducing electronic locks aimed at the Multifamily and Hospitality Industries.

Tremco Commercial Sealants & Waterproofing

BOOTH# 2234
2350 Commerce Park
Beachwood, OH 44122
www.tremcosealants.com

While the causes of water infiltration may vary, it ultimately remains the biggest factor in building envelope failures. Whether it is thermal expansion and movement, improper drainage, construction defects and poor repairs, roof leaks and ponding water, or incompatible materials that are causing water infiltration, Tremco has your restoration solution.

Tremco Roofing and Building Maintenance

BOOTH# 2236
3735 Green Road
Beachwood, OH 44122
www.tremcoroofing.com

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Trystar

BOOTH# 1920
350 Burnsville Pkwy.
Burnsville, MN 55337
www.trystar.com

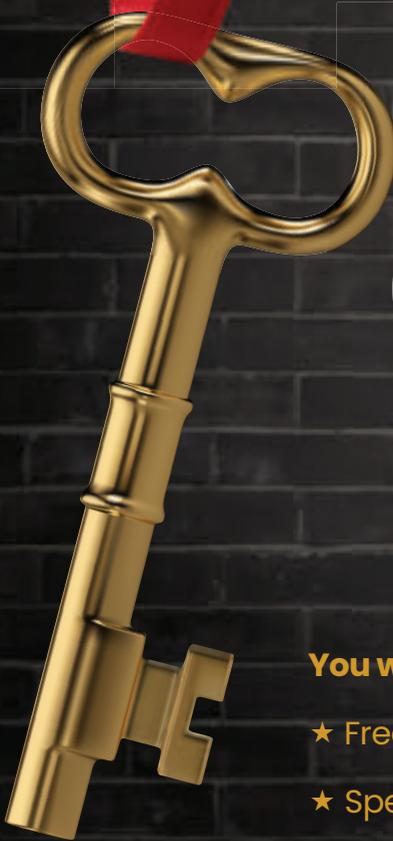
Trystar is the leading U.S. manufacturer of GENERATOR & LOAD BANK DOCKING STATIONS. Docking stations provide the means for temporary generator quick connection during power-outages or back-up generator failure. Docking stations can also provide a quick connection of a temporary load bank for scheduled testing. TRYSTAR also manufactures portable power cable & power distribution equipment backed by an engineering and electrical support team.

U.S. Department of State

BOOTH# 2436
1701 N. Fort Myer Drive, Suite 1140
Arlington, VA 22209
<http://www.state.gov/obo/>

The U. S. Department of State's Bureau of Overseas Buildings Operations (OBO), is recruiting Facility Managers and Construction Engineers to join its team of Foreign Service Specialists who plan, construct and maintain all U.S government real property located overseas under the control of the U.S. Department of State. Foreign Service employees enjoy

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United Coolair Corporation

BOOTH# 2453

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Plantation, FL 33317**
www.unitedcoolair.com

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BOOTH# 2148

**3521 E. Federal St
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www.urinow.com

Unlimited Restoration gets you back to business after disaster. From our regional locations in MD/DE/PA/FL, URI provides stabilization and containment, as well as water extraction, mold abatement, structural drying, technical cleaning, selective demolition, document restoration, odor control, temporary climate control, temporary roofing, indoor air quality testing, and complete reconstruction. We are here for you 24/7.

USA LED

BOOTH# 2314

**330 Main St. South
Southbury, CT 06488**
www.usaled.com

USALED was started in 2007 to provide the best energy savings to our customers. Our team of value-added engineers work with our customers to make sure they get the perfect lighting solution for any application. The experience and trust we have with our over 700 turn key customers makes us a go to for LED lighting projects.



MARYLAND

USGBC MD

BOOTH# 2567

**2101 L St. NW, Suite 500
Washington, DC 20037**
www.usgbc.org

USGBC is committed to a sustainable, prosperous future through LEED, the leading program for green buildings and communities worldwide that will regenerate and sustain the health and vitality of all life. Our mission is to transform how buildings and communities are designed, built and operated, enabling an environmentally and socially responsible, healthy, and prosperous environment that improves quality of life.

Vector Solutions

BOOTH# 2524

**4890 West Kennedy Blvd., Suite 300
Tampa, FL 33609**
www.convergencetraining.com

RedVector, a Vector Solutions brand, sets the standard for excellence in online continuing education for the facility management industry. We deliver individual courses as well as large-scale training and support tools for managing learning, certifications, career development and more. Key training topics include HVAC, lighting, cleaning and organization, managing oils and chemicals, safety, OSHA, dust control, ventilation and more.

Vellrath Group

BOOTH# 1521

**17 Canal St.
Pequabuck, CT 06781**
www.fireproofingpatch.com

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Veolia Environmental Services

BOOTH# 2448

**1275 Mineral Springs Drive
Port Washington, WI 53074**
lamprecycling.veoliaes.com

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Verkada

BOOTH# 1614

**405 E 4th Ave
San Mateo, CA 94401**
www.verkada.com

Verkada builds enterprise physical security systems for the Internet of Things (IoT) era. Our platform combines intelligent, plug-and-play security cameras with cloud-based software that's easy to use on any device. Verkada eliminates legacy infrastructure — such as NVRs, DVRs and servers — and requires no configuration to work securely in any network environment.

Versico Roofing Systems

BOOTH# 1721

**P.O. Box 1289
Carlisle, PA 17013**
www.versico.com

As one of the largest single-ply membrane roofing system providers in the world, Versico continues to offer quality and expertise in the commercial roofing marketplace. For nearly 50 years, Versico has provided the low-slope, commercial roofing industry with the best customer service and most innovative, energy-efficient roofing solutions available. Versico's product offering includes EPDM, TPO and PVC roofing membranes and accessories.

VFS Fire & Security Services

BOOTH# 2052

**501 W. Southern Ave.
Orange, CA 92865**
www.vfsfire.com

Fire and Life Safety Testing, Maintenance & Construction Services.

Viega LLC

BOOTH# 1845

**585 Interlocken Blvd
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www.viega.us

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easy to install. Products include ProPress®, MegaPress®, PureFlow®, MegaPress® CuNi and SeaPress®, radiant heating and cooling and flushing system technology.

Viking Group, Inc.

BOOTH# 2542
210 N. Industrial Park Dr.
Hastings, MI 49058
www.vikinggroupinc.com

Viking is a global leader in the manufacture and distribution of innovative fire protection and life safety systems. For over 90 years the company's products and services have protected lives and property worldwide from the devastating effects of fire. For more information on Viking's innovative solutions, visit www.vikinggroupinc.com or call 800-968-9501.

Vision Technologies, Inc.

BOOTH# 1709
6704 Curtis Court
Glen Burnie, MD 21060
www.visiontechnologies.com

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Vitality Energy

BOOTH# 1728
3305 Mayflower Ave., Suite 2
Lehi, UT 84043
www.VitalityEnergy.com

Vitality provides a comprehensive energy analytic platform with automated Ratio Utility Billing and Submetering.

WARE

BOOTH# 2534
7401 Bluffington Road
Louisville, KY 40291
www.wareinc.com

WARE is a commercial & industrial, boiler rental and service company that specializes in sales, service, valve repair, parts, turn key and boiler training.

WaterSignal

BOOTH# 1702
510 Staghorn Court
Alpharetta, GA 30004
www.watersignal.com

WaterSignal is a green technology company focused on water conservation. WaterSignal measures water flow in

real time to detect leaks and conserve water by monitoring domestic meters, irrigation systems, and cooling towers for residential, commercial, multifamily, senior living, medical, schools and colleges. WaterSignal is located in Alpharetta, GA, and currently has operations in 23 states. Follow us on Twitter @watersignal.

Werres/Cushman

BOOTH# 2407
807 E. South St.
Frederick, MD 21701
www.werres.com

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BOOTH# 2207
901 S. Bond St., Suite 600
Baltimore, MD 21231
www.WillScot.com

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BOOTH# 1900
5812 Allender Road
White Marsh, MD 21162
www.wilmotmodular.com

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Solon, OH 44139
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WSP USA

BOOTH# 2361
3102 Oak Lawn Ave., Suite 450
Dallas, TX 75219
www.wsp.com

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Beltsville, MD 20705
www.xchair.com

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Yardi Systems

BOOTH# 1603
430 S. Fairview Ave
Goleta, CA 93117
<https://www.yardi.com>

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ZTS Inc.

BOOTH# 2242
5628 Wooster Pike
Cincinnati, OH 45227
www.ztsinc.com

ZTS Inc. manufactures Pulse Load battery testers designed for use by anyone working with batteries or battery operated equipment. Ideal for battery management, inspection, cell matching, and critical application/mission pre-testing. Applications include fire/security, UPS, medical, industrial, military, lighting, telecom, mobility, access control, auto/marine/RV, and more.

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National Fire Sprinkler Association	2441
Precision Concrete Cutting	2252
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Insight Facilities Management, Inc.....	2334
Magnolia Plumbing	1723
RIDGID	2420

EXHIBITORS BY PRODUCT CATEGORY

Scotch Corporation	2446
Specialized Pipe Technologies.....	1800

Electrical Distribution

Bopat Electric Co., Inc.....	2356
FreeAxez LLC.....	2229
Quadlogic Controls Corp.....	1937
Snake Tray	2456

Elevators/Escalators

Altyno/KI USA	2553
Mitsubishi Electric Elevators & Escalators	2043
Test Products International.....	2034

Energy - Renewable

American Plant Maintenance LLC.....	2244
Centrica Business Solutions.....	2515
Competitive Energy Services	1616
Gordian Energy Systems.....	1624B
Graybar Electric Co.	2529
Hunt Consulting.....	1602
Kautz Construction and KC Green Energy	2024
Orion Energy Systems	2020
Standard Solar Inc.....	2122
SunPeak.....	1825
USA LED	2314

Energy Management Systems

Alert Labs.....	1403
BuildingFit	2142
Camfil Clean Air Solutions.....	2342
Carbon Lighthouse	1625
Carrier Corporation	1820
Carrier Enterprise, LLC	2201
Chesapeake Controls Inc.	2160
Competitive Energy Services	1616
Electro Industries/GaugeTech	1716
Emme Controls	1410
Graybar Electric Co.	2529
Hunt Consulting.....	1602
Mitsubishi Electric Elevators & Escalators	2043
Network Thermostat.....	1526
Northeast Energy Efficiency Partnerships.....	1405
Orion Energy Systems	2020
Pennoni	2225
Quadlogic Controls Corp.....	1937
Reliable Controls Corp. USA.....	2313
SATEC Inc.....	2037
TCS	1821
Vitality Energy.....	1728
WaterSignal.....	1702
Yardi Systems	1603

Energy Monitoring

Alert Labs.....	1403
BuildingFit	2142
Carbon Lighthouse	1625
Centrica Business Solutions.....	2515
Chesapeake Controls Inc.	2160
Competitive Energy Services	1616
Electro Industries/GaugeTech	1716
Fluke Corporation	1829
Graybar Electric Co.	2529
Mitsubishi Electric Elevators & Escalators	2043

Monico, Inc.	2152
Monnit	1515
ONICON Incorporated	2136
Quadlogic Controls Corp.....	1937
SATEC Inc.	2037
Sieco-Tech Canada Inc.	1610
Starline	2040
Vitality Energy.....	1728
WSP USA.....	2361

Energy Products and Services

Alban CAT Power Systems.....	2501
Allied Window, Inc.	2546
Automated Logic Corp.	1824
Belimo Americas.....	2527
BESTORQ.....	2145
Building Operator Certification (BOC).....	1841
BuildingFit	2142
Bureau Veritas.....	2551
Camfil Clean Air Solutions.....	2342
Carbon Lighthouse	1625
Carlisle Roof Foam and Coatings	2120
Centrica Business Solutions.....	2515
CHB Industries Inc.....	1921
CMP Corporation.....	2469
Competitive Energy Services	1616
CPower Energy Management	1708
Duct & Vent Cleaning of America Inc.....	2141
Ecoglo Inc.	2265
Graybar Electric Co.	2529
Guardian CSC.....	2557
Hunt Consulting.....	1604
Illumetek Corp.....	2251
LiftMaster	1509
Light Efficient Design.....	2419
NALCO Water, an Ecolab Company	2512
Northeast Energy Efficiency Partnerships.....	1405
Pennoni	2225
Pure Air Control Services, Inc.	2235
Quadlogic Controls Corp.....	1937
RenewAire.....	1609
SATEC Inc.	2037
SemaConnect	2406
Standard Solar Inc.....	2122
SunPeak.....	1825
TCS	1821
USA LED	2314
Yardi Systems	1603

Environmental Services/Products/IAQ

A-1 Flood Tech.....	2048
Air Cleaning Technologies, Inc.	1924
AirPac Inc.....	2249
All Green Management, Inc.....	2559
Avalon H2O.....	1711
Bureau Veritas.....	2551
Busch Systems International Inc.....	2129
Carrier Enterprise, LLC	2201
Delmhorst Instrument Co.	2350
Duct & Vent Cleaning of America Inc.....	2141
Garland Co. Inc., The.....	2360
Global Plasma Solutions	1524

EXHIBITORS BY PRODUCT CATEGORY

Interior Maintenance Company Inc.....	2250
Nordfab LLC.....	1834
Northeast Energy Efficiency Partnerships.....	1405
Professional Grounds Management Society.....	2458
Pure Air Control Services, Inc.....	2235
Quench USA, Inc.....	2324
SemaConnect.....	2406
ServiceMaster NCR.....	2157
Steril-Aire Inc.....	2520
United Coolair Corporation.....	2453
Unlimited Restoration Inc.....	2148
USGBC MD.....	2567
Veolia Environmental Services.....	2448

Exit Signs

APCO Sign Systems.....	1714
Ecoglo Inc.....	2265
Everlux Signs & Ertecnica Inc.....	2457
Fried Brothers, Inc.....	1510
Safe-T-Nose.....	1936
Veolia Environmental Services.....	2448

Exterior Building Systems

BASF Corporation.....	2134
BULLDOG Roof Restoration Systems.....	2464
CentiMark Corporation.....	2149
CertaPro Painters of South Central PA.....	2566
Duro-Last Roofing Inc.....	2240
Houck Building Preservation Specialty Contractors.....	2256
Janus International.....	1915
PS Flood Barriers.....	2452
Ruff Roofers Inc.....	2561
SemaConnect.....	2406
SRP Glass Restoration.....	2565
Sto Corp.....	1722
Tremco Commercial Sealants & Waterproofing.....	2234
Tremco Roofing and Building Maintenance.....	2236
Versico Roofing Systems.....	1721
WSP USA.....	2361

Filtration

Air Cleaning Technologies, Inc.....	1924
AmeriWater.....	1600
Avalon H2O.....	1711
Chardon Laboratories Inc.....	2340
Cummins.....	2147
Evoqua Water Technologies.....	2427
Guardian CSC.....	2557
Natural Choice Corp.....	2036
Nordfab LLC.....	1834
Oasis International.....	1934
Pure Water Technology of Central PA, Inc.....	2245
Quench USA, Inc.....	2324
RCI Technologies East.....	1737
RenewAire.....	1609

Fire Safety

AGF Manufacturing Inc.....	2540
BFPE International.....	2013
Ecoglo Inc.....	2265
Edwards Detection & Alarm.....	1729
Everlux Signs & Ertecnica Inc.....	2457

Fire & Life Safety America Inc.....	2357
Fireline Corp.....	2219
Keltron.....	2123
Life Safety Engineered Systems.....	1400
National Fire Sprinkler Association.....	2441
Potter Electric Signal Company LLC.....	2440
RectorSeal.....	2429
Rusoh, Inc.....	1508
Safe-T-Nose.....	1936
Technicraft Product Design.....	2425
Vellrath Group.....	1521
VFS Fire & Security Services.....	2052
Viega LLC.....	1845
Viking Group, Inc.....	2542
ZTS Inc.....	2242

Fleet Management

ASI Doors, Inc.....	2341
Cushman.....	2407
KEYper Systems.....	1725
Monico, Inc.....	2152
SemaConnect.....	2406
Stryker.....	2434
TMA Systems LLC.....	2124
Werres/Cushman.....	2407

Flooring

A-1 Flood Tech.....	2048
Benjamin Moore.....	2414
CentiMark Corporation.....	2149
Construction Specialties Inc.....	1801
Crown Polymers, Inc./EverRoof.....	2415
Florock Polymer Flooring.....	2137
FreeAxez LLC.....	2229
Industrial Caulk & Seal Inc.....	2569
Karndean Design Flooring.....	1836
New Pig Corporation.....	2328
PCBM Facility Management.....	1633
RLE Technologies.....	1928
Schluter Systems.....	2258
Sunbelt Rentals.....	2007

Furniture/Furnishing Materials

ASI Group.....	1608
Davies Office Inc.....	2107
Easi File.....	2535
EthoSource LLC.....	2329
Glasdon Inc.....	2428
Steadyrack PTY.....	2135
Sunline Office, LLC.....	1929
XChair.....	1828

Generators

Alban CAT Power Systems.....	2501
Cummins.....	2147
Fidelity Power Systems.....	2307
Herc Rentals Inc.....	2150
RCI Technologies East.....	1737

EXHIBITORS BY PRODUCT CATEGORY

Housekeeping Products Equip.

Busch Systems International Inc.....	2129
FlexCart.....	1727
Glasdon Inc.....	2428

HVAC

ABB Inc.....	1611
Aceto US LLC.....	2261
Air Cleaning Technologies, Inc.....	1924
AirPac Inc.....	2249
Automated Logic Corp.....	1824
Baltimore Aircoil Co.....	2021
Belimo Americas.....	2527
BESTORQ.....	2145
BRAVO! Group Services.....	2218
Carrier Corporation.....	1820
Carrier Enterprise, LLC.....	2201
Chardon Laboratories Inc.....	2340
Chesapeake Systems.....	2543
Cold Point Corp.....	1720
Complete Building Services.....	2049
Cooney Engineered Solutions.....	1735
Duct & Vent Cleaning of America Inc.....	2141
Evoqua Water Technologies.....	2427
Global Plasma Solutions.....	1524
Interplay Learning.....	1408
Johnson Controls.....	2029
JPG Plumbing & Mechanical Services.....	2053
Magnolia Plumbing.....	1723
Monnit.....	1515
Morin Distribution.....	2525
Multitherm Coils LLC.....	2556
NALCO Water, an Ecolab Company.....	2512
National Compressor Exchange, Inc.....	2466
Nordfab LLC.....	1834
Northeastern Supply.....	2156
ONICON Incorporated.....	2136
Pure Air Control Services, Inc.....	2235
RenewAire.....	1609
RIDGID.....	2420
Steril-Aire Inc.....	2520
TCS.....	1821
Test Products International.....	2034
United Coolair Corporation.....	2453
Viega LLC.....	1845

HVAC Commissioning Services

ABB Inc.....	1611
CxEnergy AABC Commissioning Group (ACG).....	1523
Rimkus Building Consultants.....	1814
WSP USA.....	2361

Insulation

American Plant Maintenance LLC.....	2244
BASF Corporation.....	2134
Carlisle Roof Foam and Coatings.....	2120
Versico Roofing Systems.....	1721

Internet Of Things

Alert Labs.....	1403
ARC.....	2215
Axis Communications.....	1704
Blue Book Network, The.....	1923

CADM.....	2518
Craftmaster Hardware.....	2041
Envoy, Inc.....	1615
Facilities Survey Inc.....	2364
Flexicount.....	2025
Fluke Corporation.....	1829
Monnit.....	1515
Network Thermostat.....	1526
Reliable Controls Corp. USA.....	2313
UHP Wireless Networks.....	1516
WaterSignal.....	1702
Winncom Technologies.....	1724

Internet Services/E-Commerce

eWorkOrders.....	2413
Fooda.....	1621

Landscape/Grounds Care Products

Cushman.....	2407
Dead Sea Works Company/K&S North America.....	2545
Evercor Facility Management.....	2352
GVM Inc.....	1949
Michael Bryan Services.....	2159
O'Leary Asphalt Inc.....	2257
Powerhouse.....	2264
Professional Grounds Management Society.....	2458
TaskEasy.....	2571

Lifts/Ladders

Alban Rents.....	2507
Herc Rentals Inc.....	2150

Lighting

Bopat Electric Co., Inc.....	2356
ELEDLIGHTS.....	2437
Empire Graphics, Signs & Lighting.....	2528
EverLast Lighting.....	2526
Hunt Consulting.....	1604
Illumetek Corp.....	2251
Insight Facilities Management, Inc.....	2334
Light Efficient Design.....	2419
Orion Energy Systems.....	2020
RAB Lighting.....	2246
TCP Lighting.....	2035
USA LED.....	2314
Veolia Environmental Services.....	2448

Maintenance Products/Services

1-800-GOT-JUNK?.....	1815
Accruent.....	1520
Aceto US LLC.....	2261
ACP-Acoustic Ceiling Products.....	1701
AkitaBox.....	2045
All Green Management, Inc.....	2559
American Plant Maintenance LLC.....	2244
American Time.....	1914
Baltimore Aircoil Co.....	2021
Bevara Building Services.....	2461
Bird-B-Gone Inc.....	2061
Blue Book Network, The.....	1923
BRAVO! Group Services.....	2218
Building Operator Certification (BOC).....	1841
BULLDOG Roof Restoration Systems.....	2464
Busch Systems International Inc.....	2129

EXHIBITORS BY PRODUCT CATEGORY

Capital Chapter of IFMA.....	2345
Caplan Bros. Glass.....	2549
Cass Waste Expense Management.....	2351
CentiMark Corporation.....	2149
CertaPro Painters of South Central PA.....	2566
Complete Building Services.....	2049
CP Rankin Inc.	2146
Cushman.....	2407
D&D Technologies USA, Inc.....	1843
DCS Data Center Solutions.....	2144
DDP Roofing Services, Inc.....	1717
Dumond.....	2367
EagleHawk.....	2467
Easi File.....	2535
Electric Eel Mfg. Co. Inc.....	2564
ELEDLIGHTS.....	2437
ePIPE Restoration.....	2365
Evercor Facility Management.....	2352
eWorkOrders.....	2413
Facilities Survey Inc.....	2364
Fidelity Power Systems.....	2307
Fire & Life Safety America Inc.....	2357
FlexCart.....	1727
Florock Polymer Flooring.....	2137
FMX.....	1617
Garland Co. Inc., The.....	2360
GE Silicones.....	1945
General Pipe Cleaners/General Wire Spring Co.....	1601
Gordian.....	1835
GSM Roofing.....	1940
GVM Inc.	1949
Houck Building Preservation Specialty Contractors.....	2256
Insight Facilities Management, Inc.....	2334
Interior Maintenance Company Inc.....	2250
Interplay Learning.....	1408
JPG Plumbing & Mechanical Services.....	2053
Kee Safety Inc.....	2319
KEYper Systems.....	1725
LB&B Associates Inc.....	1731
Levrack.....	1944
Life Safety Engineered Systems.....	1400
Light Efficient Design.....	2419
Maintenance Troubleshooting International.....	2445
MB Metal Technologies, LLC.....	1622
Mitsubishi Electric Elevators & Escalators.....	2043
Mobile-Shop Co.....	2119
Monroe Infrared Technology.....	2359
National Fire Sprinkler Association.....	2441
O'Leary Asphalt Inc.....	2257
Planned Companies.....	2500
PotholeRepair.com.....	2552
Powerhouse.....	2264
Precision Concrete Cutting.....	2252
Q Ware.....	2116
RectorSeal.....	2429
RIDGID.....	2420
Rubbermaid Commercial Products.....	2167
Ruff Roofers Inc.....	2561
SealMaster.....	2248
SELECT Hinges/SELECT Products Ltd.....	2241
Sodexo.....	1951

Steadyrack PTY.....	2135
StructureCare.....	2042
Sunbelt Rentals.....	2007
TaskEasy.....	2571
Technicraft Product Design.....	2425
Test Products International.....	2034
The Harvey Salt Company.....	2548
TMA Systems LLC.....	2124
Total Asphalt Technology.....	2465
Vector Solutions.....	2524
Veolia Environmental Services.....	2448
VFS Fire & Security Services.....	2052
ZTS Inc.....	2242

Material Handling/Storage

1-800-GOT-JUNK?.....	1815
ASI Doors, Inc.....	2341
Cushman.....	2407
Directional Systems.....	2267
EthoSource LLC.....	2329
GVM Inc.	1949
Herc Rentals Inc.....	2150
Levrack.....	1944
MB Metal Technologies, LLC.....	1622
Rubbermaid Commercial Products.....	2167
Verres/Cushman.....	2407
Wilmot Modular Structures Inc.....	1900

Motors Drives

BESTORQ.....	2145
Fluke Corporation.....	1829

National Distributors

Craftmaster Hardware.....	2041
EthoSource LLC.....	2329
Steadyrack PTY.....	2135
Sunline Office, LLC.....	1929
TimeMaster.....	2353

Operational Support Services

archSCAN/AerieHub.....	2536
BRAVO! Group Services.....	2218
Cass Waste Expense Management.....	2351
Complete Building Services.....	2049
Flexicount.....	2025
IFMA Chesapeake Chapter.....	2550
LAYER.....	1511
LB&B Associates Inc.....	1731
Levrack.....	1944
Life Safety Engineered Systems.....	1400
Maintenance Troubleshooting International.....	2445
National School Plant Management Association.....	2568
PotholeRepair.com.....	2552
Q Ware.....	2116
StructureCare.....	2042
Vellrath Group.....	1521

Paints and Coatings

Altyno/KI USA.....	2553
Benjamin Moore.....	2414
BULLDOG Roof Restoration Systems.....	2464
CertaPro Painters of South Central PA.....	2566
Florock Polymer Flooring.....	2137

EXHIBITORS BY PRODUCT CATEGORY

Garland Co. Inc., The.....	2360
GE Silicones.....	1945
GSM Roofing.....	1940
Parkland Plastics.....	1425
Polyglass U.S.A. Inc.....	2044
SealMaster.....	2248
Sto Corp.....	1722
Vellrath Group.....	1521

Paving/Concrete Repair

All Green Management, Inc.....	2559
Industrial Caulk & Seal Inc.....	2569
Michael Bryan Services.....	2159
O'Leary Asphalt Inc.....	2257
PCBM Facility Management.....	1633
PotholeRepair.com.....	2552
Precision Concrete Cutting.....	2252
Rabine Paving Mid Atlantic.....	2165
SealMaster.....	2248
Total Asphalt Technology.....	2465

Pest Control

Bell Bird Control.....	2349
Bird-B-Gone Inc.....	2061
Evercor Facility Management.....	2352

Plumbing

AGF Manufacturing Inc.....	2540
ASI Group.....	1608
Avalon H2O.....	1711
Bradley Corporation.....	1802
Camfil Clean Air Solutions.....	2342
Dahl Valve Limited.....	2366
Electric Eel Mfg. Co. Inc.....	2564
ePIPE Restoration.....	2365
Fried Brothers, Inc.....	1510
General Pipe Cleaners/General Wire Spring Co.....	1601
Insight Facilities Management, Inc.....	2334
JPG Plumbing & Mechanical Services.....	2053
Magnolia Plumbing.....	1723
Multitherm Coils LLC.....	2556
Natural Choice Corp.....	2036
Northeastern Supply.....	2156
Oasis International.....	1934
RectorSeal.....	2429
RIDGID.....	2420
Scotch Corporation.....	2446
Specialized Pipe Technologies.....	1800
Technicraft Product Design.....	2425
The Harvey Salt Company.....	2548
Viega LLC.....	1845
Viking Group, Inc.....	2542

Portable Heating/Cooling

AirPac Inc.....	2249
Emme Controls.....	1410
Herc Rentals Inc.....	2150
United Coolair Corporation.....	2453
Unlimited Restoration Inc.....	2148
WARE.....	2534

Power & Hand Tools

Delmhorst Instrument Co.....	2350
FlexCart.....	1727
MB Metal Technologies, LLC.....	1622

Power Distribution/Generation

Alban CAT Power Systems.....	2501
Bopat Electric Co., Inc.....	2356
Centrica Business Solutions.....	2515
CMP Corporation.....	2469
Connectrac.....	2214
Cummins.....	2147
Fidelity Power Systems.....	2307
Monico, Inc.....	2152
Pennoni.....	2225
RCI Technologies East.....	1737
SATEC Inc.....	2037
Snake Tray.....	2456
Starline.....	2040
SunPeak.....	1825
Trystar.....	1920
U.S. Department of State.....	2436
USA LED.....	2314

Publications

Blue Book Network, The.....	1923
<i>Building Operating Management Magazine</i>	1203
<i>Facility Maintenance Decisions Magazine</i>	1203
IFMA.....	1715
National Institute of Building Sciences.....	2451
Northeast Energy Efficiency Partnerships.....	1405
Professional Grounds Management Society.....	2458
ProFM™ Credential Program.....	2325
Spaces4Learning.....	1943

Pumps

Chesapeake Systems.....	2543
Fireline Corp.....	2219
Maintenance Troubleshooting International.....	2445

Rental Companies

AirPac Inc.....	2249
Alban CAT Power Systems.....	2501
Alban Rents.....	2507
Carrier Corporation.....	1820
Sunbelt Rentals.....	2007
United Coolair Corporation.....	2453
WARE.....	2534
Wilmot Modular Structures Inc.....	1900

Restroom Products/Systems

ASI Group.....	1608
Bradley Corporation.....	1802
Flexicount.....	2025
RectorSeal.....	2429
Rubbermaid Commercial Products.....	2167
Rudolph Supply.....	2161
Special-Lite Inc.....	2047
Wilmot Modular Structures Inc.....	1900

Roofing

BASF Corporation.....	2134
Bird-B-Gone Inc.....	2061

EXHIBITORS BY PRODUCT CATEGORY

BULLDOG Roof Restoration Systems	2464
Carlisle Roof Foam and Coatings	2120
CentiMark Corporation	2149
Cole Roofing Company	1624
CP Rankin Inc.	2146
Crown Polymers, Inc./EverRoof	2415
DDP Roofing Services, Inc.	1717
DECRA Metal Roofing	2346
Delmhorst Insturment Co.	2350
Duro-Last Roofing Inc.	2240
EagleHawk	2467
Garland Co. Inc., The.....	2360
GE Silicones.....	1945
GSM Roofing	1940
Guy Roofing, Inc.	2318
High Point Roofing LLC.....	2046
Houck Building Preservation Specialty Contractors.....	2256
Kautz Construction and KC Green Energy	2024
Kee Safety Inc.....	2319
Monroe Infrared Technology.....	2359
Polyglass U.S.A. Inc.	2044
Ruff Roofers Inc.	2561
SealMaster	2248
Tremco Roofing and Building Maintenance.....	2236
Versico Roofing Systems.....	1721

Safety Products

AGF Manufacturing Inc.....	2540
AkitaBox	2045
ASSA ABLOY	1907
Avetta	2115
Belmont Safety Products, LLC.....	2266
BFPE International.....	2013
D&D Technologies USA, Inc.	1843
Dead Sea Works Company/K&S North America.....	2545
Directional Systems.....	2267
Ecoglo Inc.	2265
Edwards Detection & Alarm	1729
Everlux Signs & Ertecnica Inc.	2457
Fire & Life Safety America Inc.	2357
Glasdon Inc.....	2428
Herzig Engineering.....	2143
IDville.....	2421
Kee Safety Inc.....	2319
New Pig Corporation	2328
NTT Training.....	2418
PotholeRepair.com.....	2552
PS Flood Barriers.....	2452
Pure Water Technology of Central PA, Inc.	2245
Rubbermaid Commercial Products.....	2167
Rudolph Supply	2161
Rusoh, Inc.	1508
Safe-T-Nose.....	1936
Safety Rail Company	2335
Securitech Group, Inc.....	2222
Stryker	2434
Tremco Roofing and Building Maintenance.....	2236
Vector Solutions.....	2524
Viking Group, Inc.	2542

Security/Access Control

American Time	1914
ASI Doors, Inc.....	2341
ASSA ABLOY	1907
Axis Communications.....	1704
BFPE International.....	2013
ButterflyMX	1517
Chesapeake Controls Inc.	2160
Craftmaster Hardware	2041
D&D Technologies USA, Inc.	1843
Detex Corp.....	2247
EAW Security	2344
Envoy, Inc.....	1615
Fried Brothers, Inc.	1510
IDville.....	2421
Janus International.....	1915
Johnson Controls.....	2029
Keltron.....	2123
Levrack.....	1944
Life Safety Engineered Systems	1400
LiftMaster	1509
M3T Corporation.....	2537
Marks USA.....	2513
PDC IDenticard.....	1941
Planned Companies	2500
Reliable Controls Corp. USA.....	2313
SALTO Systems.....	2253
Securitech Group, Inc.....	2222
SELECT Hinges/SELECT Products Ltd.	2241
TimeMaster	2353
TownSteel Inc.....	2547
UHP Wireless Networks	1516
Verkada	1614
VFS Fire & Security Services.....	2052
Vision Technologies, Inc.	1709
ZTS Inc.....	2242

Signage

Allen Industries.....	2435
APCO Sign Systems.....	1714
CHB Industries Inc.....	1921
Directional Systems.....	2267
Empire Graphics, Signs & Lighting	2528
Everlux Signs & Ertecnica Inc.	2457

Snow & Ice Removal Products

DDP Roofing Services, Inc.	1717
Dead Sea Works Company/K&S North America.....	2545
Evercor Facility Management.....	2352
GVM Inc.	1949
Michael Bryan Services	2159
O'Leary Asphalt Inc.	2257
Powerhouse	2264
Rabine Paving Mid Atlantic	2165
Rudolph Supply	2161
TaskEasy	2571
The Harvey Salt Company	2548
Top Dog Services.....	2560
Viega LLC.....	1845

EXHIBITORS BY PRODUCT CATEGORY

Software

Accruent.....	1520
AkitaBox.....	2045
ARC.....	2215
Autodesk Construction Cloud.....	2114
Avetta.....	2115
ButterflyMX.....	1517
CADM.....	2518
EagleHawk.....	2467
Envoy, Inc.....	1615
eWorkOrders.....	2413
Facil-it.....	1620
Facilities Survey Inc.....	2364
Flexicount.....	2025
FMX.....	1617
Gordian.....	1835
IDville.....	2421
Interplay Learning.....	1408
LAYER.....	1511
Martin Technical.....	1808
Notifii.....	1514
PDC IDenticard.....	1941
Q Ware.....	2116
SALTO Systems.....	2253
Sieco-Tech Canada Inc.....	1610
Special Pathogens Laboratory.....	2449
TaskEasy.....	2571
TMA Systems LLC.....	2124
Vector Solutions.....	2524
Vitality Energy.....	1728
Yardi Systems.....	1603

Sustainable Interior Products

ACP-Acoustic Ceiling Products.....	1701
Avalon H2O.....	1711
Busch Systems International Inc.....	2129
CertaPro Painters of South Central PA.....	2566
Construction Specialties Inc.....	1801
Davies Office Inc.....	2107
EthoSource LLC.....	2329
Florock Polymer Flooring.....	2137
Glasdon Inc.....	2428
Parkland Plastics.....	1425
Special-Lite Inc.....	2047

Timekeeping Systems

American Time.....	1914
Sapling Company Inc.....	1710

Training/Education

American Institute of Facility Engineers and Technicians.....	1522
Avetta.....	2115
Axis Communications.....	1704
BOMI International.....	1700
<i>Building Operating Management Magazine</i>	1203
Building Operator Certification (BOC).....	1841
Camfil Clean Air Solutions.....	2342
CxEnergy AABC Commissioning Group (ACG).....	1523
<i>Facility Maintenance Decisions Magazine</i>	1203
Herzig Engineering.....	2143
IFMA.....	1715
IFMA Chesapeake Chapter.....	2550

Interplay Learning.....	1408
Maintenance Troubleshooting International.....	2445
Martin Technical.....	1808
Maryland/DC Chapter of APPA.....	2442
National Association of Power Engineers.....	1409
National Fire Sprinkler Association.....	2441
National Institute of Building Sciences.....	2451
National School Plant Management Association.....	2568
NTT Training.....	2418
Potter Electric Signal Company LLC.....	2440
Professional Grounds Management Society.....	2458
ProFM™ Credential Program.....	2325
ServiceMaster NCR.....	2157
SERVPRO.....	2347
Special Pathogens Laboratory.....	2449
StructureCare.....	2042
Stryker.....	2434
USGBC MD.....	2567
Vector Solutions.....	2524

Utility Vehicles

Cushman.....	2407
FlexCart.....	1727
Werres/Cushman.....	2407

Water Treatment

Aceto US LLC.....	2261
AmeriWater.....	1600
Barclay Water Management.....	1837
Chardon Laboratories Inc.....	2340
Creative Water Solutions.....	2401
Evoqua Water Technologies.....	2427
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Membership

Are you a NFMT Member?

If not, don't worry there is still time to become a member before you leave Baltimore. If you are interested in becoming a member, please visit booth #1209 for more information or to join today for only \$125!

Member benefits include:

- Early Access to Handout Materials
- Member Lounge on the Exhibit Floor - Booth #1209
- Drink Coupons for Opening Night Reception
- Members Only Shirt – Pick up at booth #1209
- Full Conference Session Videos After NFMT
- Library of Past Event Videos
- Member Only Exclusive Webcasts
- Benefits at Future Events for 1 Year

20 Conference Sessions will be videotaped onsite at NFMT 2020.

The following sessions will be posted to the NFMT members site www.nfmt.com/online by April 6:

Tuesday, March 17

Rm# Session Title

8:00 AM – 9:15 AM

Ballroom TG.GS Disruptions in Facilities Management: How Will it Change the Next 20 Years?

9:30 AM – 10:30 AM

314 T1.14 5 Disruptive Technologies That Will Change Facility Management Forever

316 T1.16 How Can FMs Attract the Right Human Assets On Their Projects?

10:45 AM – 11:45 AM

314 T2.14 Disruptive Threats to Building Security

316 T2.16 The Convergence Of Experience And Operational Data: A Briefing On Cause & Effect

Wednesday, March 18

Rm# Session Title

8:00 AM – 9:00 AM

314 W1.14 Smarter Buildings: Practical Steps for FMs

318 W1.18 Future Ready Design - Building Enclosure Considerations

9:15 AM – 10:15 AM

314 W2.14 How Climate Change Will Disrupt Building Design and Management

318 W2.18 Yes, you can control your FM Career....we did!

10:30 AM – 11:30 AM

314 W3.14 Embracing our Inner Disruptor

318 W3.18 Turning the Tables: Getting Top Management's Attention to Approve Projects

3:45 PM – 4:45 PM

314 W4.14 Workplace Transformation: New Imperatives Are Reshaping the Office

337 W4.37 Bringing Water Efficiency Back to Front of Mind

Thursday, March 19

Rm# Session Title

8:00 AM – 9:00 AM

Ballroom RG Creating an Inclusive and Welcoming Environment

9:15 AM – 10:15 AM

318 R1.18 2020 – Setting a Clear Vision for your Facility Management Program

328 R1.28 Maximizing Your Team's Efficiency with a Well-Designed BAS

10:30 AM – 11:30 AM

318 R2.18 Building Enclosure Design for Aesthetic Maintenance

337 R2.37 Condition Assessment Options and Opportunities

2:45 PM – 3:45 PM

318 R3.18 Understanding Generation Complexity in the Workplace: Exploding the Millennial Myth

337 R3.37 Better Asset Management Using Reality Capture, BIM, and Other Technology

For more information or to become a member go to: www.NFMT.com/Online

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Expo Hall Hours

TUESDAY

- Noon – 4:00 pm Expo Hall Open
- 1:00 – 3:20 pm Learning Lab Sessions at Booth #1528
- 3:45 p.m. \$1,000 Daily Prize Drawing at Booth #1100

WEDNESDAY

- 11:30 am – 3:30 pm Expo Hall Open
- 12:00 – 2:50 pm Learning Lab Sessions at Booth #1528
- 3:15 pm \$1,000 Daily Prize Drawing at Booth #1100

THURSDAY

- 11:30 am – 2:30 pm Expo Hall Open
- 12:00 – 1:50 pm Learning Lab Sessions at Booth #1528
- 2:15 pm \$1,000 Daily Prize Drawing at Booth #1100

Key

PAVILIONS

- Building Maintenance
- Building Services
- Openings
- Smart Technologies

EXPO FLOOR HIGHLIGHTS

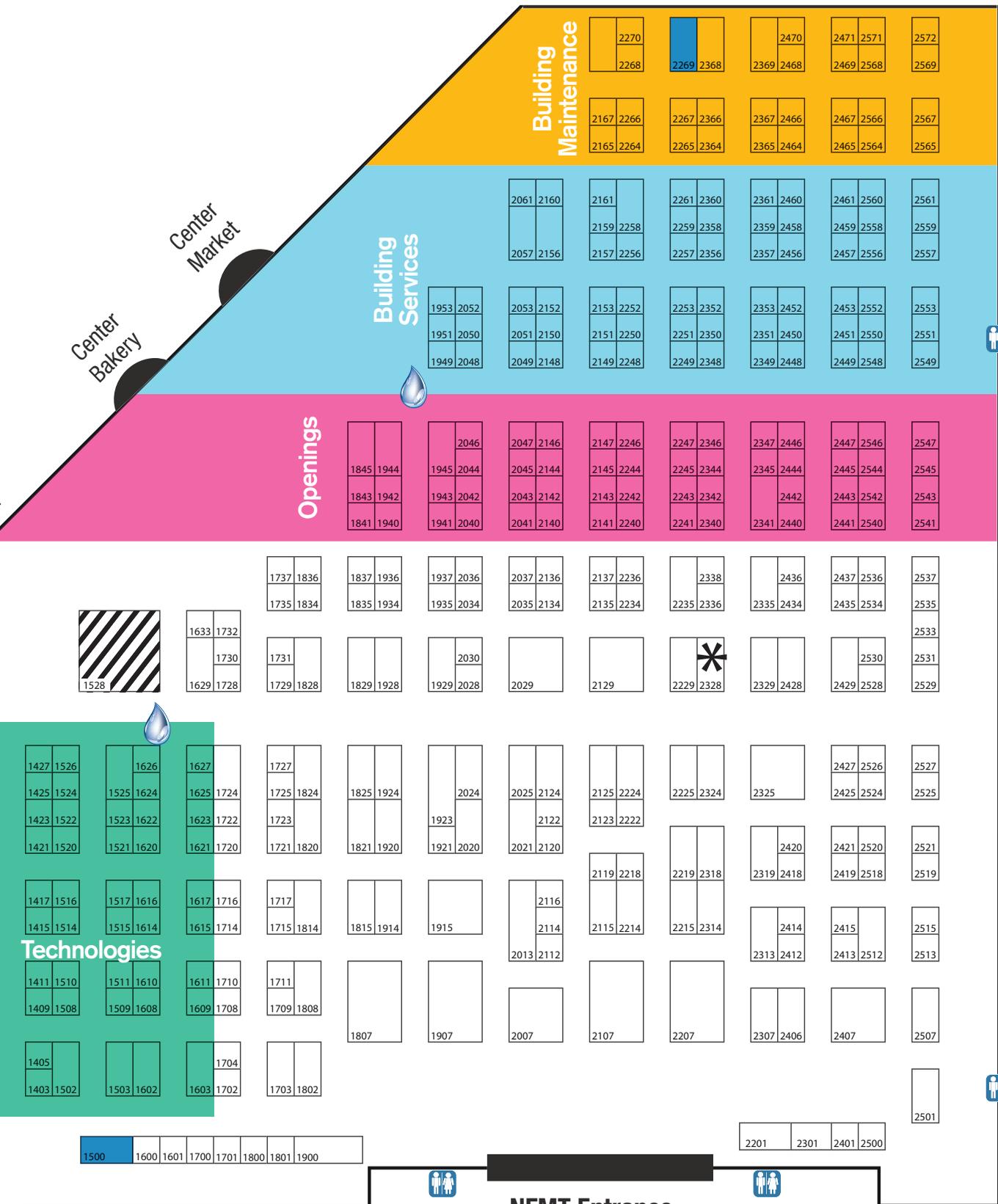
- Main Stage – booth #1100
- Information – booth #1203
- NFMT Member Lounge – booth #1209
- NFMT Certificate of Attendance – booth #1221

Center Grill

ATTENDEE RESOURCES

- Social Hub – booths #1500 and #2269
- ✳ Enter to Win \$1,000 Cash Prize Drawing – New Pig Corp. Booth #2328
- \$1,000 Daily Prize Drawing Stage – Booth #1100
- NFMT Café Tables
- Natural Choice Corp. Water Station
- Learning Lab Theater - Booth #1528
- Restrooms
- Redeem \$10 Lunch Coupons
- Lifestyle Pavilion





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Attendee Resources

CERTIFICATES OF ATTENDANCE

Stop by booth #1221 during expo hours to pick up your personalized certificate of attendance. Your certificate recognizes your participation in NFMT Baltimore 2020.

CEU TRANSCRIPT

At the conclusion of NFMT 2020, all verified attendees will receive an email with a link to assessment questions for every full session you scanned into during NFMT 2020. After successfully completing an assessment for each session you attended, you will receive a transcript you can use to self-report. See page for more information.

COAT AND BAG CHECK

A complimentary coat and luggage check is available and located near registration in the Pratt Street Lobby.

Tuesday 7:00 am – 5:30 pm

Wednesday 7:00 am – 6:30 pm

Thursday 7:00 am – 5:30 pm

CONCESSION STAND HOURS

Concession stands are located inside the expo hall. Hours prior to expo hall opening are for exhibitors. Specific counter hours may vary – please refer to signs.

Tuesday 11:00 am – 4:00 pm

Wednesday 11:00 am – 3:30 pm

Thursday 11:00 am – 2:00 pm

EXHIBIT SPACE SELECTION FOR 2021

Every 2020 exhibiting company is assigned a time to select space for the 2021 show. If you have a question about the re-sign process, please contact your booth sales representative. The re-sign office is located behind the NFMT Booth #1203.

HANDOUTS

Following the conference, you will receive an e-mail with a link to take you to the NFMT handouts page. From there, you will be able to view and download a PDF copy of any presentation that was made available to NFMT by our speakers.

LOST AND FOUND

If you lose an item within the Baltimore Convention Center, visit the NFMT Show Office located on the 200 level in the Pratt Street Lobby or contact security.

NFMT MEMBERS

Looking for more NFMT? Become an NFMT Insider! Purchasing a \$125, year-long membership gives you access to over 100 hours of video covering every topic from ADA to net-zero energy, plus access to exclusive member webcasts throughout the year. Members also receive live event benefits at each event we host around the country. These benefits include access to handouts prior to the conference, swag onsite, VIP service and more. See page 84 for more information or www.nfmt.com/online to become a NFMT Member today.

SHUTTLE SERVICE

Shuttle service is available from the Camden Yards-Lot C parking lot to the Baltimore Convention Center. NFMT please use the stop at the Pratt Street Lobby.

Tuesday 7:00 am – 6:00 pm

Wednesday 7:00 am – 7:30 pm

Thursday 7:00 am – 5:00 pm

SOCIAL MEDIA

Use our NFMT hashtag to stay connected to the conference while attending, and throughout the whole year. We enjoy seeing pictures and posts and gathering feedback from you!

#NFMT20      YouTube

WIRELESS INTERNET

The Baltimore Convention Center offers complimentary wireless internet within the common areas of the Center. Wi-Fi is not available in conference sessions or the expo hall.

300/400 Level Map

300 Level



Special Events

400 LEVEL - BALLROOM

Tuesday 8:00 am Disruptions in Facilities Management: How Will it Change the Next 20 Years?

Wednesday 3:45 – 6:00 pm Women in Facilities Management 2020 Panel and Reception

Thursday 8:00 am Creating an Inclusive and Welcoming Environment

300 LEVEL - PRATT STREET LOBBY

Tuesday 4:00 pm Networking Party

BALTIMORE CONVENTION CENTER

Level 400 General Sessions and Women in FM

Level 300 Registration and Conferences

Level 200 Pratt Street Entrance – Show Office/ Press Room

Level 100 Expo Hall

400 Level

