



**BILFINGER**

**WATER  
TECHNOLOGIES**

BILFINGER WATER TECHNOLOGIES

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# ROEDIGER-AIRVAC<sup>®</sup>

# SANITARY SYSTEM

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INNOVATIVE SOLUTIONS FOR PUBLIC BUILDINGS



# Reliability

the most important criterion for vacuum sanitation systems in public buildings



REFERENCE: SHEIKH ZAYED DESERT LEARNING CENTER AL AIN UAE

Since more than 35 years Bilfinger Water Technologies is one of the global leaders for all kinds of vacuum sanitation systems in public buildings.

Our broad experience, gained from very different applications in various building types, like Hospitals, Congress Centers, large Sport Facilities, Airports and Train Stations, fueled our constant innovation process. Today our ROEDIGER-AIRVAC® vacuum sanitation system is setting the standard in terms of reliable evacuation of public buildings.

## Compact Station **Type 20**

Single pump unit  
for small applications

## Compact Station **Type 40**

Double pump unit  
for small applications

## Compact Station **Type PE70**

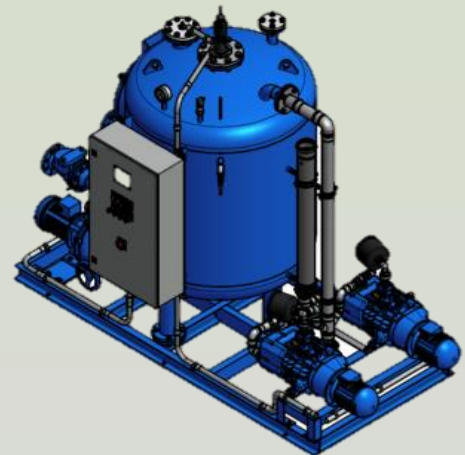
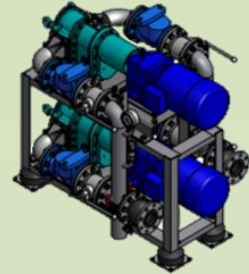
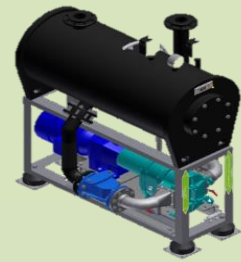
Vacuum tank unit for  
mid-size applications

## Compact Station **Type 140**

Vacuum tank unit for  
bigger applications

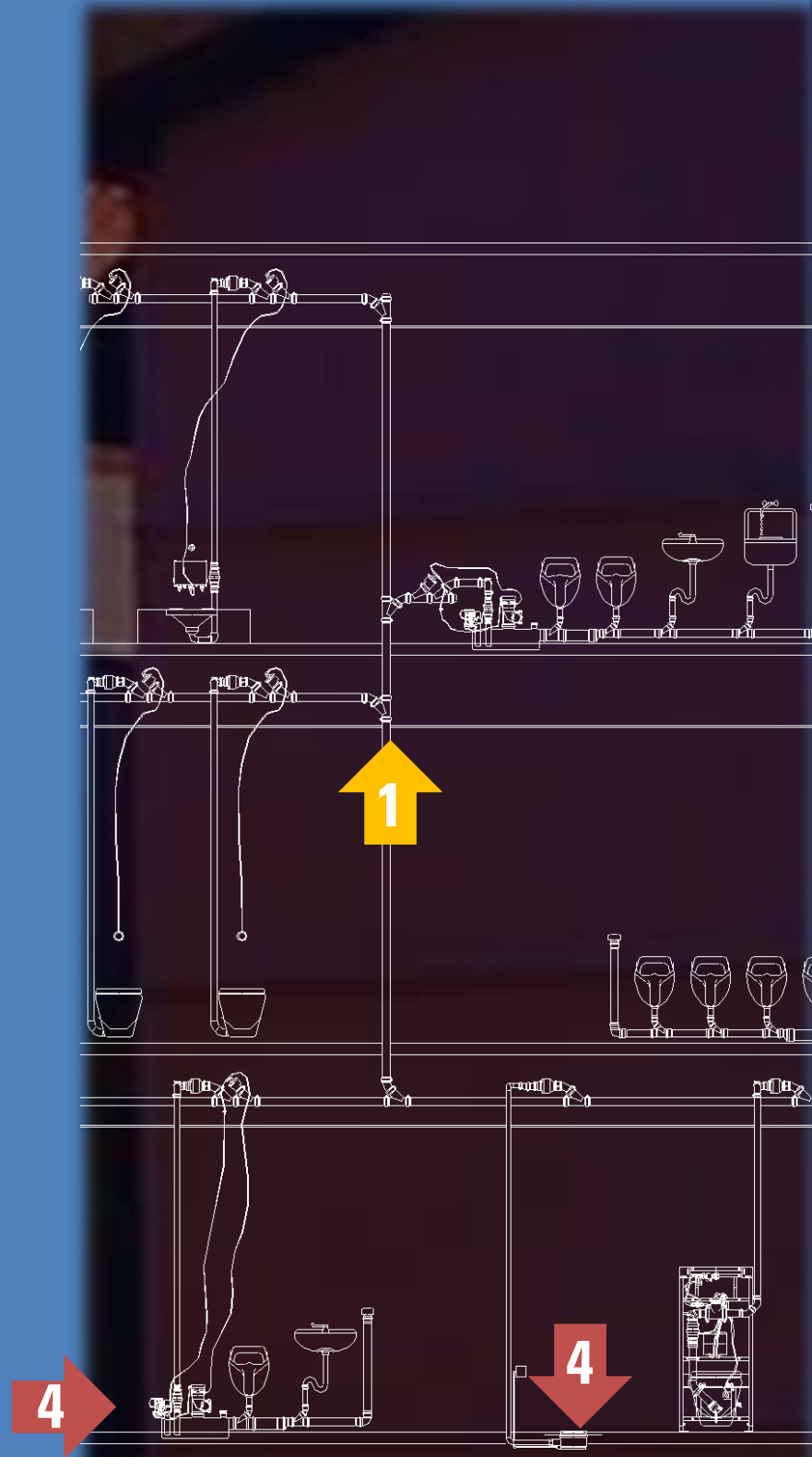
## Compact Station **Type 360**

Vacuum tank unit for  
big applications



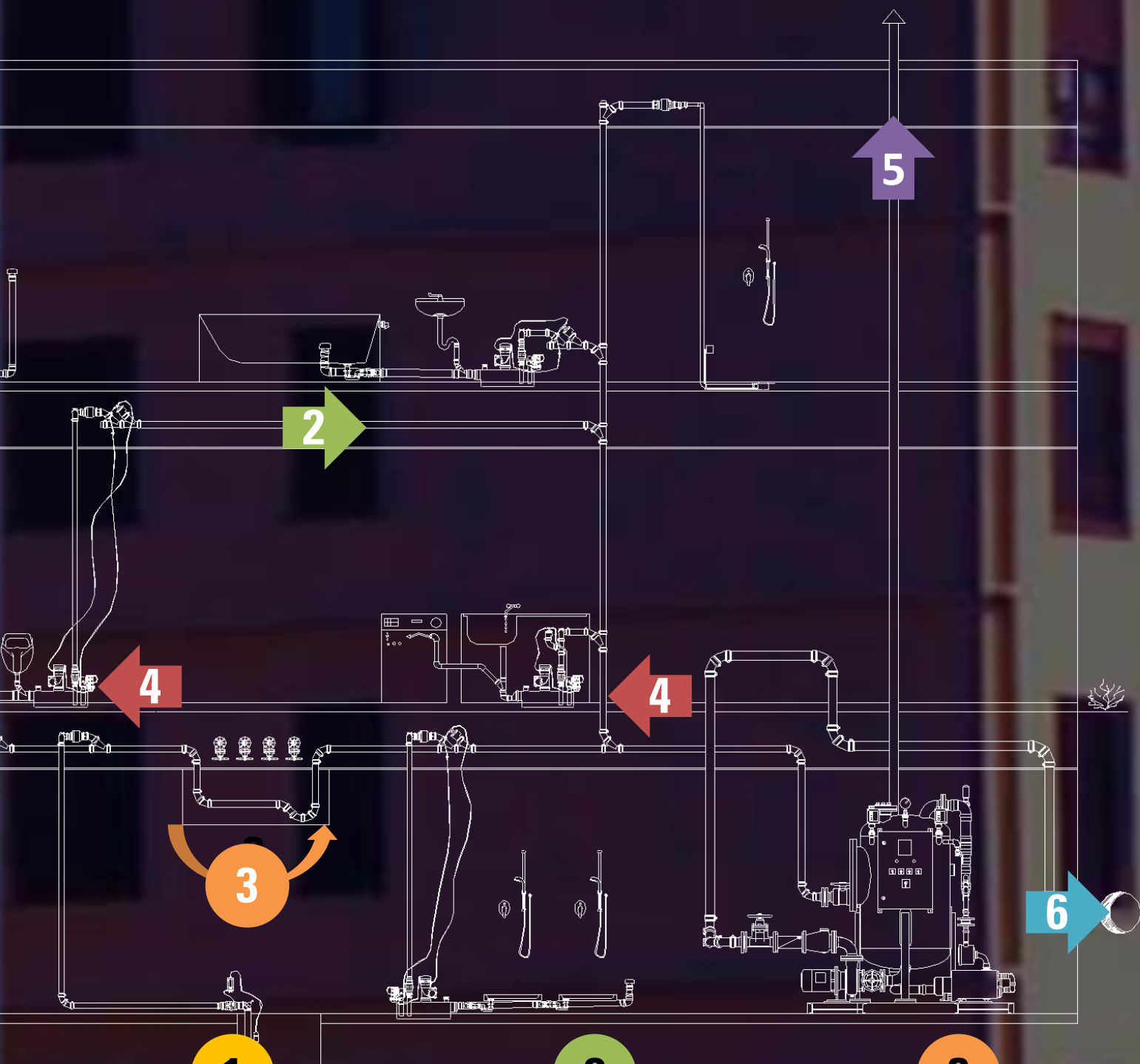
# Flexibility

the top requirement in public buildings



Today's public buildings have to be flexible – extensions, downsizings, changing tenants and inconsistent use, are only some of the challenges for sanitation systems here.

With the ability to lift wastewater and transport it horizontally over long distances, the ROEDIGER-AIRVAC® vacuum sanitation system is providing an unmatched layout flexibility and guarantees to have a drainage solution for every square meter of your building – flexible use – now and in future – square meter for square meter!



**1**

Lifting wastewater  
up to 4,50 m high above  
suspended ceilings

**2**

Horizontal transport  
with minimum slope –  
ideal for long distances

**3**

Circumventing obstacles  
over or underhitrance  
enables flexible pipe  
routing

**4**

Evacuation units  
for all kinds of wastewater  
in the building

**5**

One ventilation pipe  
required for the whole  
drainage system of the  
building

**6**

One wastewater outlet  
for the whole building  
without additional back-  
flow prevention



# Water saving

the most remarkable contribution for sustainable buildings



REFERENCE: HCU HAFEN CITY UNIVERSITY HAMBURG



## Push button controller

An example for our technically advanced tools – our adjustable push button controller

Water is precious – everywhere in the world! – Even in countries that seemingly have no problem with sufficient water supply, water is representing a high value, because it is always especially prepared freshwater that we are using for the transportation of waste. A heritage of our 19th century wastewater drainage system, where better transportation systems were not available.

Our ROEDIGER-AIRVAC® vacuum toilets use air for transportation and water only for the hygienic cleaning of the toilet bowl. They require only one liter per flush – a reduction of 85% for each flush compared to conventional flush toilets. Economically and ecologically the best choice for your building!



## Vacuum toilet

1 liter/flush= best in watersaving.  
76,9 dB/flush= best in noise emission



## Evacuation Unit PE 5

for all kinds of wastewater, like  
from urinals, washbasins, and  
showers

## Evacuation Unit AE 25

for single washbasins



## Floor Drain

for hygienic cleaning of floors







## Water Technologies

Bilfinger Water Technologies GmbH  
Global Business Unit Vacuum Technology  
Kinzigheimer Weg 104 - 106  
63450 Hanau  
Phone +49 6181 309 – 275  
Fax +49 6181 309 – 280  
roevac.water@bilfinger.com  
[www.water.bilfinger.com](http://www.water.bilfinger.com)

Bilfinger Water Technologies Inc.  
Global Business Unit Vacuum Technology  
4217 N. Old U.S. Highway 31  
P.O. Box 528  
Rochester, IN 46975  
United States  
Phone: +1 574 223 3980  
airvac.water@bilfinger.com  
[www.water.bilfinger.com](http://www.water.bilfinger.com)