



Uponor

# Sustainable office spaces build on Uponor

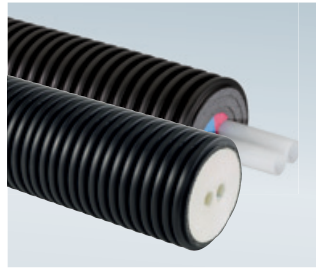
Holistic concepts for the generation, distribution and transmission of energy in commercial buildings

- ✓ Safe drinking water hygiene independent from user behavior
- ✓ Best ambient comfort balancing energy consumption and user preferences
- ✓ Efficient water and energy distribution

## 1 Connecting buildings for efficient energy distribution

### Uponor Ecoflex

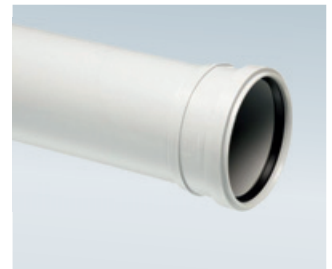
Complete range of pre-insulated pipes system for heating, cooling and water distribution. Combining excellent heat loss performance with high flexibility and easy installation.



## 4 No noise from soil and waste

### Uponor Decibel

The modern silent soil and waste pipe system, combining innovative technology with sound insulation. The noise level is below 10 dB at a flow of 2 litres/second (acc. EN 14366).



## 2 Efficient and safe supply of domestic hot water and energy

### Uponor riser installations with fire protection solutions

The Uponor multi-layer composite pipe system combines easy installation with certified safety features.



### S-Press PLUS – the press fitting for Uponor composite pipe

With a decreased pressure loss by up to 60%, as result of the Zeta value optimised fitting design, S-Press PLUS is ensuring an optimal flow rate at all points of use.



### Uponor Aqua Port

Improved drinking water hygiene due to the absence of the hot water storage tanks

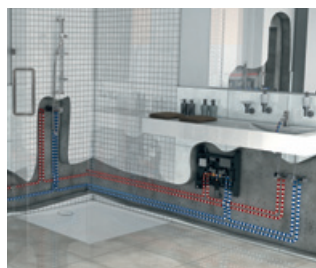
- Reliable hot water supply even when demand is high
- Lowering energy costs thanks to the efficient operation of the heat generator



## 3 Stagnation prevention and smart monitoring

### Uponor Loop Installation

For comfort and the prevention of stagnation, which consequently eliminates bacteria proliferation in the system – independent of single tap usage.



### Uponor Smatrix Aqua PLUS

For the permanent smart monitoring and regulation of the entire drinking water installation as well as automatic flushing for compliance with hygienic requirements and standards.





# Sustainable office spaces build on **Uponor**

**No 1**  
worldwide expert  
for indoor climate  
and water  
solutions

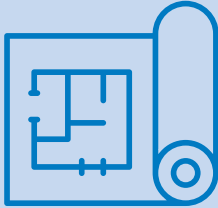
Pre-fabrication  
allows up to  
**30%**<sup>2)</sup>  
faster  
installation



Up to  
**15%**<sup>1)</sup>  
energy savings  
through smart  
home control  
technology



**100%**  
flexibility in  
planning,  
procurement  
and installation



Compliant with  
sustainability  
certificates  
for buildings



LEED,  
BREEAM  
and  
DGNB

**65%**<sup>3)</sup>  
lower life  
cycle costs



**100%**  
hygienic  
design

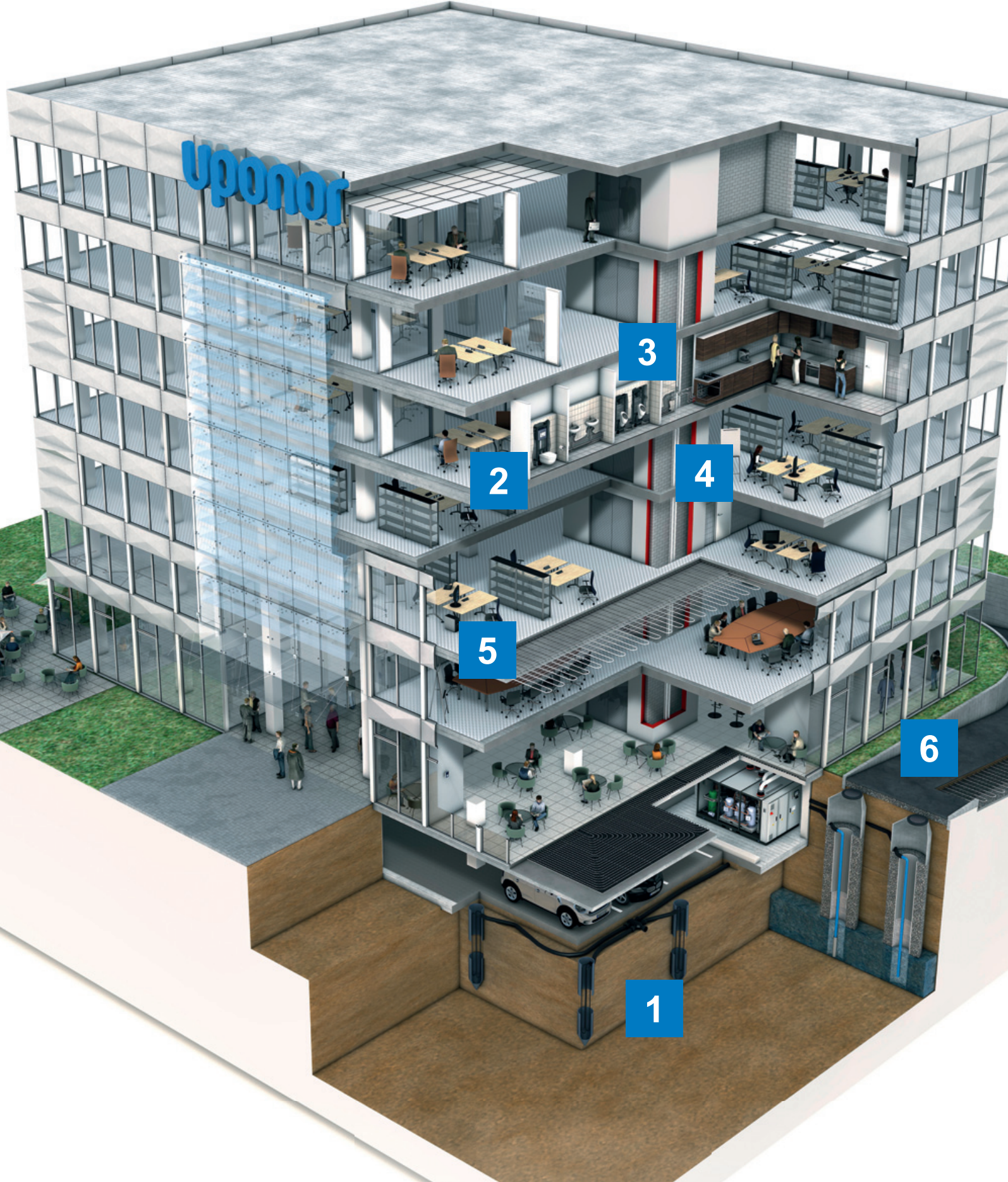


Our  
solutions last  
**60**<sup>3)</sup> years  
in minimum or  
as long as the  
building  
stands



1) Based on Mailach, B, Oschatz, B: „Kurzstudie Energieeinsparungen Digitale Heizung“  
2) Based on customer feedback analysis on comparing our pre-fabricated products to traditional systems  
3) Based on LCC calculation for Contec On compared to air-based heating/cooling systems

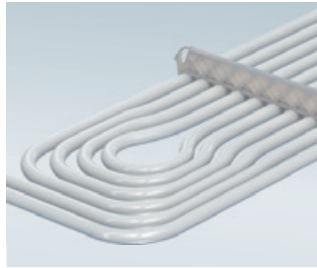
# Uponor solutions for office spaces



## 5 Radiant heating and cooling for energy efficient and comfortable room temperatures

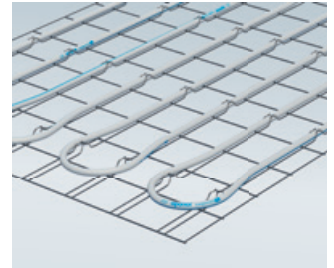
### Uponor Thermanop

Radiant heating and cooling modules for integration in seamless gypsum ceilings for energy efficient thermal comfort and excellent room acoustics.



### Uponor Contec

Utilising the concrete's thermal mass in the building's structure for heating and cooling. The concrete surface activation can be extended with a thermal socket that enables cooling and heating elements to be suspended directly from the concrete ceiling to cover peak loads.



### Uponor Smatrix PRO

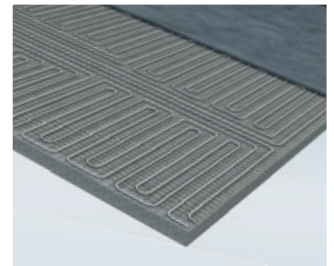
Central controller for multiple temperature zones and up to 192 rooms in commercial buildings. The solution includes an interface to BMS via KNX gateway.



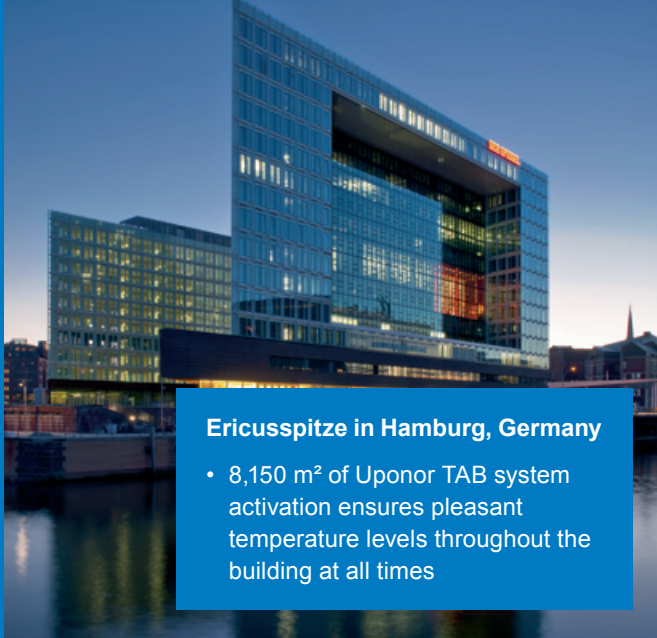
## 6 Increased safety for outdoor areas

### Uponor snow and ice melt

Reliable systems for outdoor areas like driveways, emergency access roads, parking spaces and pedestrian areas. Without time-consuming and expensive snow removal and salting.



“Our employees enjoy a more comfortable work environment while we achieved cost reductions.”



## Ericusspitze in Hamburg, Germany

- 8,150 m<sup>2</sup> of Uponor TAB system activation ensures pleasant temperature levels throughout the building at all times



## Leica in Wetzlar, Germany

- Corporate modern center awarded with Gold DGNB prequalification
- 20,000 m<sup>2</sup> radiant heating/cooling
- Pre-insulated pipes for efficient network installation



## Centre for Virtual Engineering, Fraunhofer Institute, Stuttgart

- Simultaneous heating and cooling energy supply via Geozent energy centres for 2,120 m<sup>2</sup>, TAB systems with integrated system hydraulics and controls for the customised energy concept



## C&A Headquarter, Düsseldorf

- 15,000 m<sup>2</sup> Radiant ceilings for energy efficient and comfortable room temperatures

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