



Sustainable office spaces build on **Uponor**

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

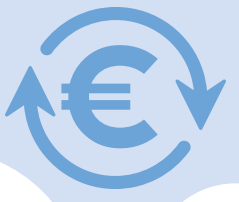
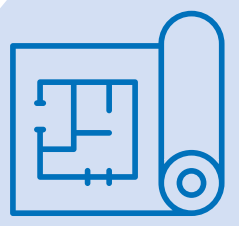
Up to **15%**<sup>1)</sup>  
energy savings through smart home control technology

Pre-fabrication provides **30%**<sup>2)</sup>  
faster installation

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

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

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



LEED, BREEAM and DGNB

**100%**  
hygienic design

Compliant with sustainability certificates for buildings

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

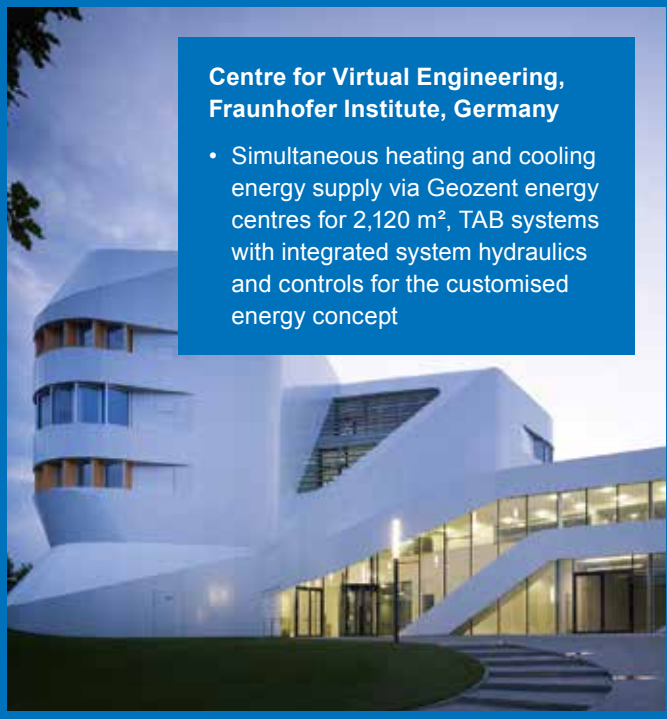
# Uponor



**CAFOD Headquarters, Germany**  
• 5 Storey building, which achieved an excellent BREEAM rating  
• TABS and underfloor heating system implemented



**Tombola Head Office, Sunderland**  
• £5 million invested in high tech offices  
• An integrated solution of underfloor heating, TABS and radiant panels was installed  
• Solution was compatible with LEED and BREEAM

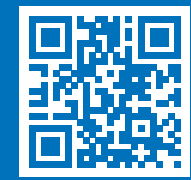


**Centre for Virtual Engineering, Fraunhofer Institute, Germany**  
• Simultaneous heating and cooling energy supply via Geozent energy centres for 2,120 m<sup>2</sup>, TAB systems with integrated system hydraulics and controls for the customised energy concept



**C&A Headquarter, Germany**  
• 15,000 m<sup>2</sup> Radiant ceilings for energy efficient and comfortable room temperatures

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[www.uponor.co.uk](http://www.uponor.co.uk)

# Uponor

## Sustainable office spaces build on Uponor

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

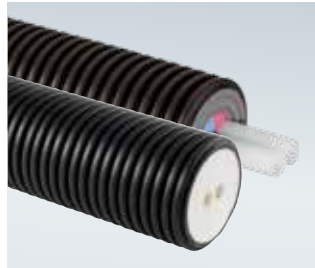
- Safe drinking water hygiene independent from user behaviour
- Best ambient comfort balancing, energy consumption and user preferences
- Efficient water and energy distribution



## 1 Connecting buildings for efficient energy distribution

### Uponor Ecoflex

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



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

### Uponor riser installations

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 reduction of pressure losses by up to 60%, as result of the Zeta value optimised fitting design, S-Press PLUS ensures an optimal flow rate.



### Uponor Aqua Port

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

- Reliable hot water supply even when demand is high
- Lower 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, This solution eliminates bacteria proliferation in the system – independent of single tap usage



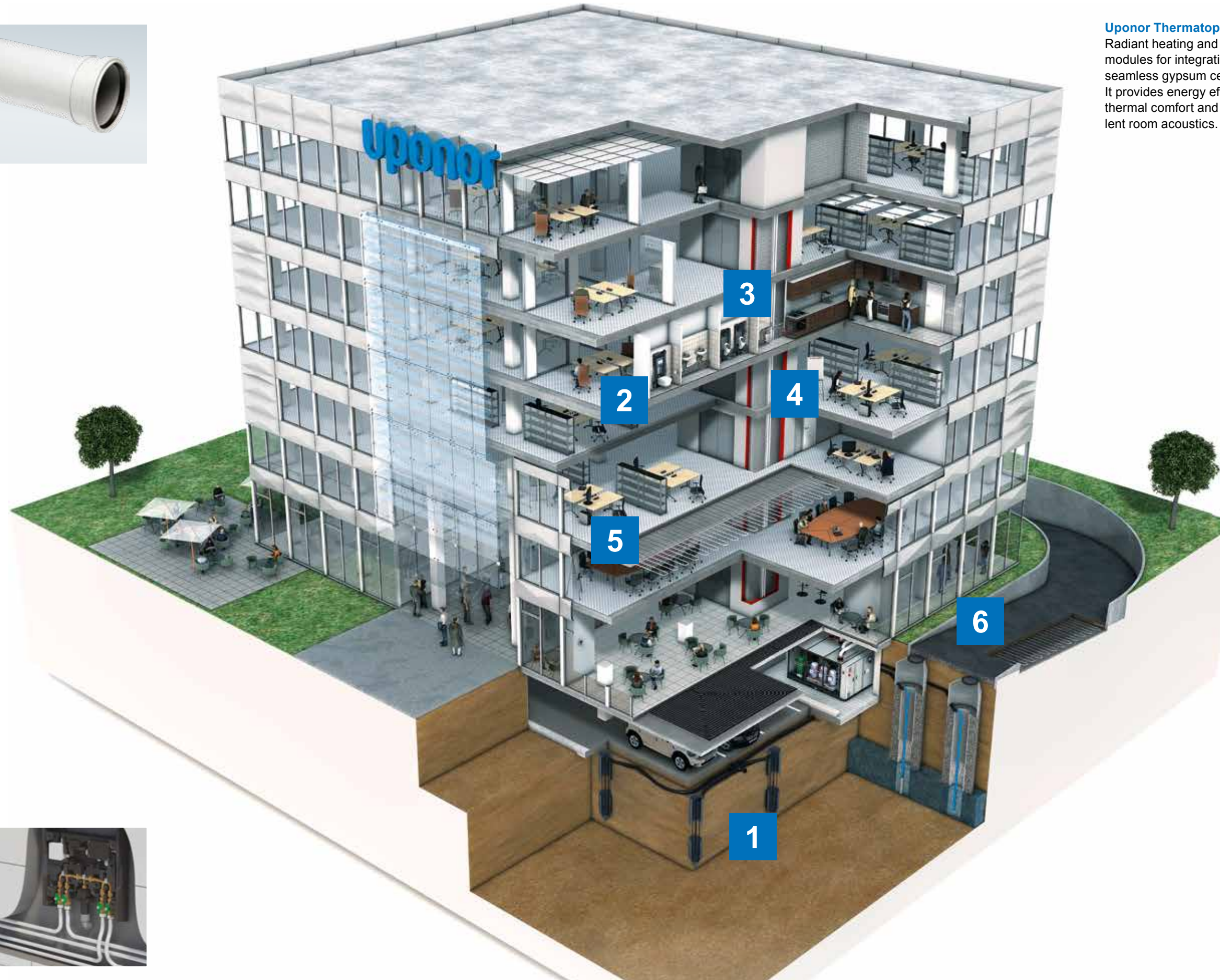
## 4 No noise from soil and waste

### 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).



# Uponor solutions for office spaces



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

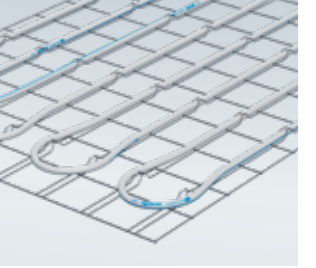
### Uponor Thermatop

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



### Uponor TABS

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

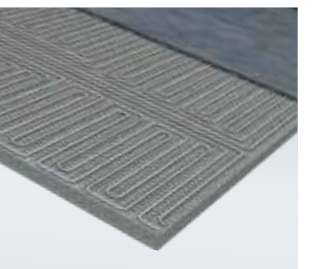
Central controller for multiple temperature zones and up to 192 rooms in commercial buildings. The solution includes an interface to BMS via KNX gateway.



## 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. A less time consuming and expensive snow removal and salting process.



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