

## Your benefits at a glance

Uponor solutions provide the best possible conditions for comfortable and modern accommodation in healthcare facilities. We help you to take care of your patients' wellbeing and at the same time support you to fulfil your ecological and economic requirements.

- Up to **30% lower** hot water costs
- Continuous **legionella prevention**
- **24/7 smart monitoring** of water quality and energy consumption
- **Comfortable** room entry **temperature** at any time
- Invisible, modern and **barrier-free systems** for any interior design
- **Saves** up to **23%** of primary energy
- **Lower** operating and maintenance **costs**
- **Prefab** and **turn-key** solutions for a more **efficient** construction process
- **Complete solution** from one supplier reducing interface complexities
- **Higher value** of the building

## Holistic Uponor services for all projects:



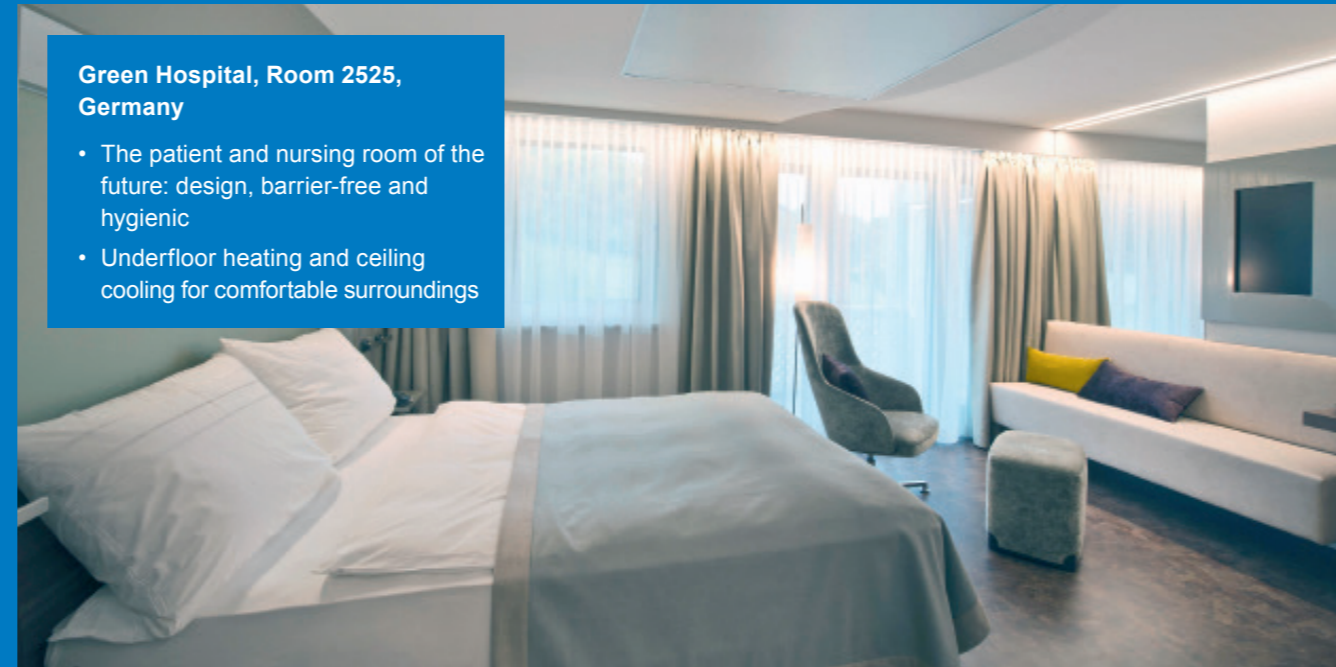
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# Uponor



**McCarthy and Stone Retirement Homes, United Kingdom**

- Newly designed retirement homes
- Custom-specified heat interface units (HIU) supplied across two retirement homes



**Green Hospital, Room 2525, Germany**

- The patient and nursing room of the future: design, barrier-free and hygienic
- Underfloor heating and ceiling cooling for comfortable surroundings

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# Uponor

## Healthcare buildings build on Uponor

We combine a complete building solution with thoughtful planning and service support to enable you to meet the highest standards in hygiene, comfort and energy efficiency

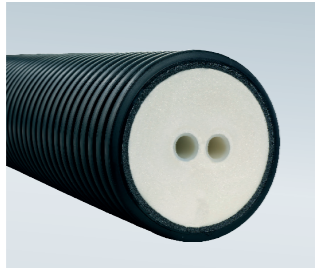


- ✓ Safe drinking water hygiene independent from user behaviour
- ✓ Optimal comfort balancing, energy consumption and user preferences
- ✓ Efficient water and energy distribution

## 1 Connecting buildings for efficient energy distribution

### Uponor Ecoflex Thermo PRO

Pre-insulated local heat distribution pipes for heating and hot domestic tap water. Combines excellent heat loss performance with high flexibility.



## 2 Simultaneous heating and cooling energy supply

### Uponor Geozent energy centres

Plug-and-play machines with integrated system hydraulics and controls for customised energy concepts.



## 3 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.



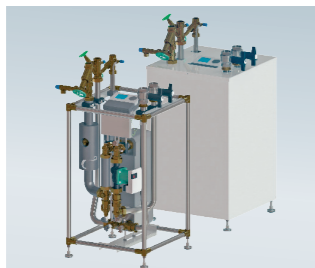
### Uponor Combi Port

Provides a decentralised supply of domestic hot water and energy for heating and cooling on demand. The prefabricated stations reduce installation time significantly.



### Uponor Aqua Port Central

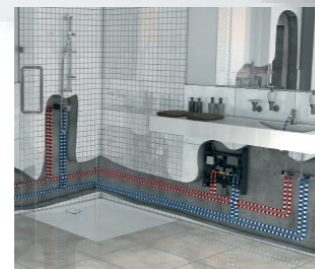
On demand hot water generation, preventing legionella as well as reducing heat loss and temperature levels in the installation.



## 4 Stagnation prevention and smart monitoring

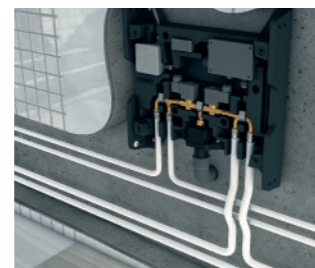
### Uponor Loop Installation

For comfort and the prevention of stagnation. The solution eliminates bacteria proliferation in the system – independent of single tap usage.

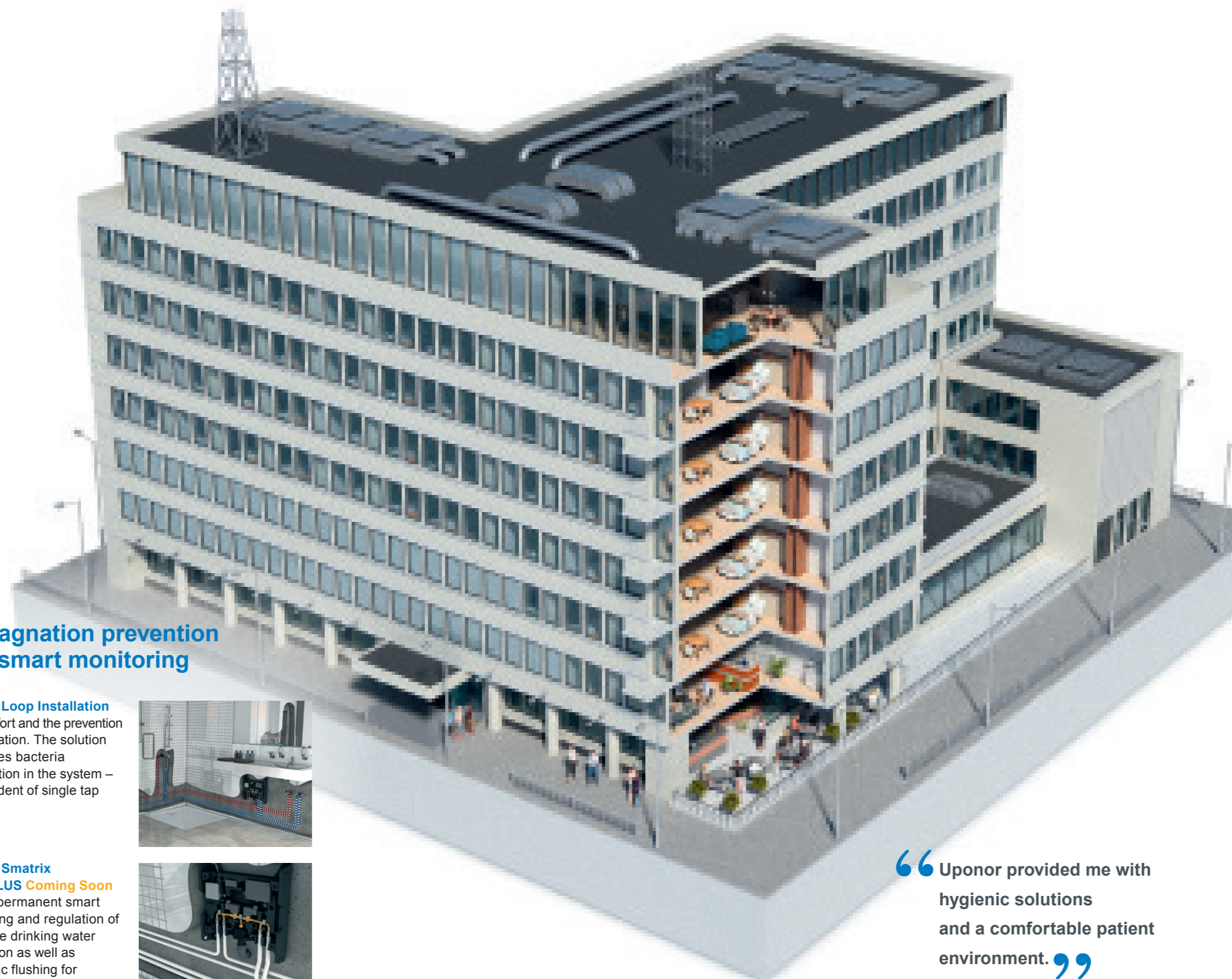


### Uponor Smatrix Aqua PLUS Coming Soon

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.



# Uponor solutions for healthcare buildings

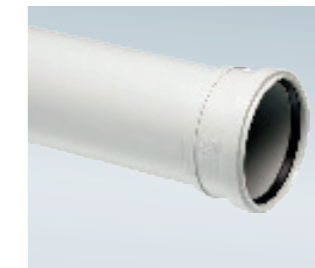


“Uponor provided me with hygienic solutions and a comfortable patient environment.”

## 5 No noise from soil and waste

### Uponor Decibel Coming soon

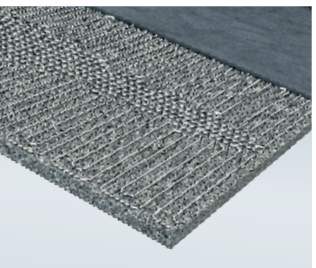
The modern silent soil and waste pipe system, combining innovative technology with sound insulation. The noise level is below 10 dB at a flow of 2 litres/second (acc. EN 14366).



## 6 Increased safety for outdoor areas

### Uponor snow and ice melt

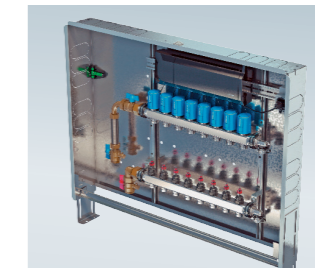
Reliable systems for outdoor areas like driveways, emergency access roads, parking spaces and pedestrian areas. A less time-consuming and expensive snow removal and salting process.



## 7 Energy-efficient and comfortable underfloor heating

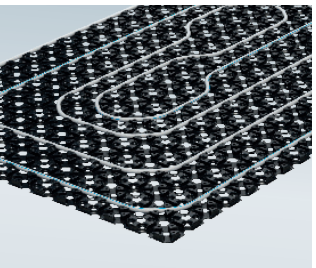
### Uponor Comfort Port

Custom-made, prefabricated manifolds for a time-saving installation.



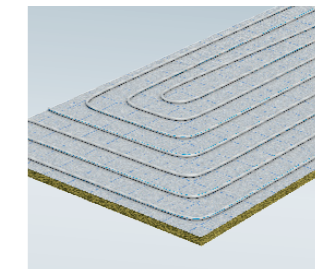
### Uponor Minitec

Fast-reacting wet installation system for levelling screed with a construction height of only 15 mm.



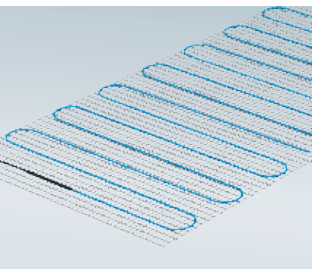
### Uponor Underfloor heating and cooling

A radiant system using pipes installed in the floor structure. An ideal system for new buildings.



### Uponor Comfort E

Electric underfloor heating as a complementary solution to existing heating systems for fast heating of individual areas on demand.



### Uponor Smatrix Wave and Smatrix Style

The Uponor Smatrix Style thermostat determines the perceived room temperature. Combined with Smatrix Wave controls it provides optimal room comfort at a reduced cost by autbalancing the energy supply.



### Uponor Smatrix Base PRO

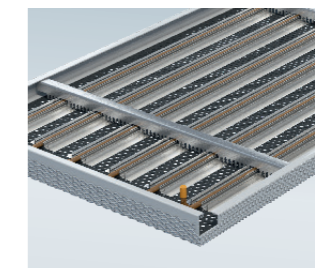
Central controller for multiple temperature zones and up to 192 rooms in commercial buildings. The solution includes an interface to BMS via KNX gateway.



## 8 Radiant ceilings for energy efficient and comfortable room temperatures

### Uponor Varicool

For energy-efficient thermal comfort and excellent room acoustics in two versions: Varicool Uni for the invisible seamless installation in high value architecture, Varicool Spectra M for flexible metal ceiling panels.



### Uponor TABS

Utilises the concrete's thermal mass in the building's structure for heating and cooling. Optional thermal socket for connection of cooling and heating elements to cover peak loads.

