References

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Uponor involvement

- 13 Home stations
- 7 drinking water stations
- 650 sqm Uponor Klett | 800 sqm Uponor Contec ON | 200 sqm Uponor Renovis

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For the conversion of the historic building, the planners relied on decentralized apartment stations from KaMo and floor heating and cooling from Uponor.
The municipal housing company GEWOG and the city of Bad Salzungen are redesigning the entire train station area in the spa town. The site includes a historic train station building. After the renovation, a social center will move into the first floor, and 13 apartments will be built on the upper floors and in the attic. To ensure that the future tenants are as comfortable as possible, the choice fell on decentralized apartment stations from KaMo and a combination of different systems for surface heating and cooling from Uponor.

Project Facts:

Location Bad Salzungen, Germany	Completion 2020	
Building Type Multi storey building	Product systems Radiant Heating & Cooling, Multilayer Pipe Systems	
Address 36433 Bad Salzungen	Website https://www.badsalzungen.de/	Project Type Renovation

Partners

Builder-owner:
GEWOG GmbH Bad Salzungen
https://www.gewog-basa.de/

Architect:
S&P Sahlmann Planungsgesellschaft
für Bauwesen mbH Leipzig
https://sup-gruppe.com/

Construction:
Ingenieurbüro Kirchner (IBK
Haustechnik) Bad Salzungen
https://ib-kirchner.de/

Reconstruction and redevelopment of the station area

Decentralised flat stations

The decentralised heat distribution in each flat is handled by a flat combination station with a 3-pipe module. The advantage is that the drinking water is heated promptly and according to demand. The temperatures - and thus also the operating costs - are lower than with central systems. Because there are less than three litres of water in the hot water pipes, there is no obligation to test for legionella. More distant taps in seven flats are each supplied by an Aqua Port Compact Base drinking water station.

Surface heating and cooling

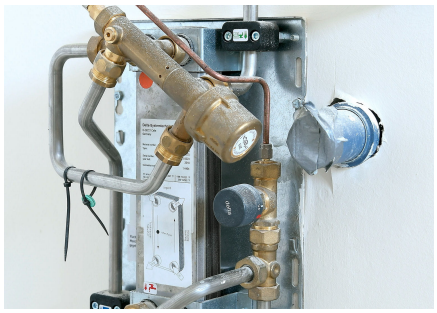
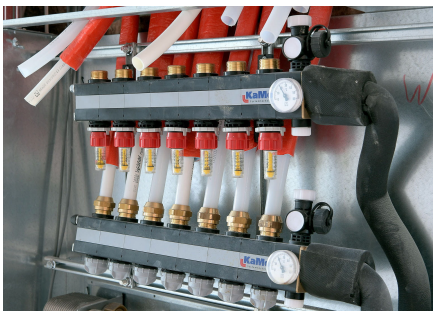
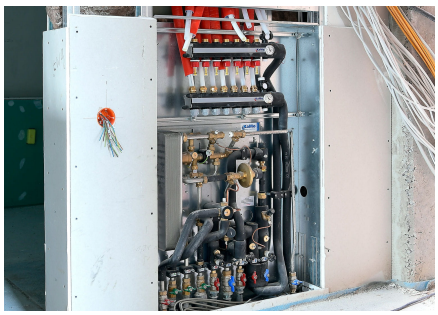
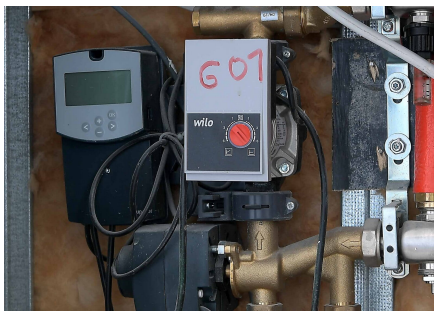
Depending on the room height, use and type of construction, different systems are used for surface heating and cooling on the individual floors. For the social centre on the ground floor with its four-metre high rooms, the Uponor Klett underfloor heating system was ideal. For the upper floors with solid concrete ceilings, the specialist planners planned a near-surface component activation with the Uponor Contec ON system. The dry construction system Uponor Renovis is ideal for the wooden ceilings in the attic. Consultants from KaMo and Uponor were on hand to assist the planners, right through to special designs specifically for this building project.

"With the systems from Uponor and KaMo, we were able to optimise three factors at once: living comfort, drinking water hygiene and energy costs," specialist planner Harald Kirchner.

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