Kingston University, South West London

- A 9,027m2 town house development within Kingston University London campus
- Early engagement enabled the use of TABS within the building
- A low cost and low energy solution was delivered by Uponor

Reference:
Kingston University, South West London

Overview

The Kingston University Estates Team required a heating and cooling solution for its new town house development, which could fulfil the following requirements: reduce energy loads, maintenance and carbon emissions. What's more it was imperative that a long term financial benefit could be achieved.
The town house development, which will form a key component of the University's Penrhyn Road campus, will be completed in time for the 2019/20 academic year. The campus will also feature a flexible teaching space, cafeteria and landscaping.

Uponor's involvement

Early engagement with the main contractor (Willmott Dixon) was imperative for ensuring project success. For example, Willmott Dixon initially highlighted that a minimalist design would be adopted with clean lines and open spaces. As such, there was no room for cumbersome units or voids.
The beauty of Thermally Active Building Systems (TABS) is that it can be embedded (pipes) within the concrete mass of a ceiling in a discrete way, so as not to impact the overall aesthetic appeal. It provides an ambient temperature within the building by heating and cooling the water supplied with minimal energy and is linked to the outdoor climate.
The TABS was installed a year ahead of the completion date and fulfilled the budget and time constraints set out.

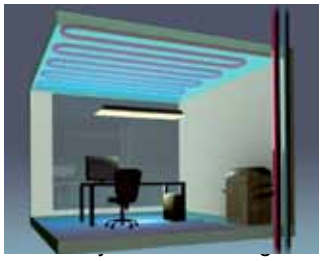
Benefits

TABS will assist Kingston University with achieving its aim of a BREEAM 'Excellent' accreditation by reducing overall energy consumption. What's more, it is highly versatile and can be adapted according to conventional and renewable energy sources, whilst also taking into consideration site dyanmics.
TABS only requires a minimum adjustment in the water temperature of +/-4 or 5oC and works silently in the background (perfect for academic and work environments) as a "fit and forget" solution.

Project facts:
- **Contractor: Willmott Dixon**
- **Client: Kingston University Estates Team**

Uponor contribution:
- **TABS (9,027m2)**

Reference picture



Systems (TABS)

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