



PREMANT Project for Data Centers Dielsdorf/Regensdorf, Switzerland, 2025

BRUGG
Pipes
Pioneers in Infrastructure



Project

As part of the expansion of its Metro-Campus Zurich, the company Green is constructing three modern data centers in Dielsdorf. A portion of the waste heat generated will be put to good use: together with Energie 360° and the municipalities of Dielsdorf and Regensdorf, a district heating network is being established, which will supply around 11,500 households as well as industry and commerce with CO₂-neutral heat starting in 2026. The energy centers are being built directly adjacent to the data centers.

A key feature of the system is the integrated leak monitoring: surveillance wires running through the pipes enable continuous condition monitoring and rapid, precise localization in the event of a fault.

Custom-made fittings such as T-pieces, precisely handcrafted, were also used. Our patented INDUCON system, which uses inductively welded sleeve technology providing the highest level of watertightness, is also employed in the project.

With this project, BRUGG Pipes is making a significant contribution to effectively combining digitalization and sustainability.

The example of Dielsdorf and Regensdorf demonstrates how modern infrastructure and CO₂-neutral energy supply can go hand in hand.

Implementation

To ensure the safe and efficient transport of waste heat, BRUGG Pipes relies on the proven PREMANT pipe system. Since January 2024, a total of 126 pre-insulated straight pipes, each 12 meters long and over 70 cm in diameter, have been delivered – amounting to over 1.5 kilometers of installed district heating pipeline in the first expansion phase.

