



**CALPEX PUR-KING project
Aeugst on Albis, Switzerland 2024**

BRUGG
Pipes
Pioneers in Infrastructure



Project

In the Swiss municipality of Aeugst on Albis, we installed our highly insulated CALPEX PUR-KING pipe system for the Göttschihof energy network. Together with our partner Bulcon Energie AG, we installed an efficient district heating network for the future operation of the local energy systems and residential properties of the Swiss National Donation and the Solvita Foundation's residential home.

Execution

An energy network will be created at Göttschihof. This will consist of a bio-gas plant, a combined heat and power plant, several photovoltaic systems and a wood chip heating system. We constructed the necessary district heating pipeline in rural Aeugstertal to connect these individual energy generators.

Our fitters laid four CALPEX PUR-KING pipes in the shortest possible time. The dimensions installed were DN 40, DN 50, DN 63 and DN 68.

The longest section was 113 metres from the woodchip heating system to the second-largest heat distributor with photovoltaic system.

Another shorter pipe was installed between the two almost completed photovoltaic systems. Our team then successfully installed four house entry bends under the floor slab in the new central building.



Product advantages

The CALPEX PUR-KING sets new standards in energy saving worldwide. For the sixth time in a row, the pre-insulated PEX pipe system has won the Danish Technological Institute (DTI) test with the lowest lambda value.

Thanks to advanced PUR foam technology and an innovative production process, the CALPEX PUR-KING offers energy savings of up to 15 % per year. As a composite system, the pipe system retains its outstanding insulating performance even when aged in accordance with EN 15632-2.