

CFL/FHK-DHC project, Abbey District, St. Gallen, Switzerland 2017

Case Study



Location

Abbey District, St. Gallen, Switzerland

Product

CASAFLEX 60/142	23m
FLEXWELL 127/220	29 m

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Project

The Abbey District in the Klosterviertel of St. Gallen (Switzerland) is a UNESCO World Heritage site and is home to important artistic treasures, as well as numerous cantonal and church institutions. Up to 100,000 visitors come to experience the 1200-year-old history of the Abbey District each year, primarily the baroque cathedral and abbey library with its manuscripts, some of which are more than 1000 years old. Existing PREMANT heating pipes were modernised with flexible solutions from BRUGG in a project with two construction phases.

Execution

From the heating system, two lines were built, which run transversely through the popular courtyard of the abbey. A 23 m line made up of two CASAFLEX 60/142 (DN 50) pipes supplies the bishop's wing with heat. A 29 m line with two DHC 127/220 (DN 100) pipes brings heat into the cathedral and three CASAFLEX 60/142 (DN 50) pipes are used as return pipes to provide a comfortable level of warmth in the abbey school building, tower and deanery wing. The restricted access to the courtyard due to a small archway posed a particular challenge with this project. As a result, the pipes had to be unrolled in front of the building and pulled into the courtyard.

The pipeline was installed in August 2017. Brugg trained CVADRO's own technicians before the pipes were laid. The entire system is to be put into operation in autumn as planned so that tourists can also visit in the winter. The flexible solutions from BRUGG really won the builder over thanks to the short laying times (just three days in total) and simple installation despite the restricted space in the courtyard.

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