



PREMANT-Project Buchs, Switzerland, 2024

BRUGG
Pipes
Pioneers in Infrastructure



Project

Spectacular setting of a DN 350 siphon in Buchs SG

In October 2024, BRUGG Pipes was part of an extraordinary and unique project in Buchs SG. Together with VfA Buchs, our company installed a new DN 350 pipeline (siphon) beneath Grünaustreet to establish an essential connection for the waste-to-energy plant (KVA).

Project goals and technical challenges

The pipeline installation became necessary due to a new construction project along Grünaustreet that obstructed the route of the existing pipeline. An above-ground solution was not feasible due to the lack of bridges and safety concerns. Instead, the pipeline, which supplies a critical heating circuit from the KVA to the distribution shaft at Grünaustreet, was routed underground through the Giesen canal.

Use of advanced lifting technology

To ensure the safe and precise placement of the pipeline, two 35-ton mobile cranes were utilized - a remarkable logistical feat rarely seen at this scale in Switzerland. This lifting solution enabled the seamless positioning of the siphon, even under the challenging conditions of crossing a waterway.

Scope of supply and expertise by BRUGG Pipes

BRUGG Pipes supported the project by supplying PREMANT pipe systems, including post-insulation services with specially designed INDUCON sleeves to ensure maximum tightness and longevity. Additionally, BRUGG Pipes took on the engineering and technical planning to guarantee that all requirements for energy efficiency and operational safety were optimally met.

