

Highly Durable Pipes for Safe Paper Production – Renovation of industrial sewer with HOBAS® Pipes DN 1100 in Hallein, AT

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*DI Josef Reingruber,
Salzburg AG*

Year of Construction

2014/2015

Total length of pipeline

990 m

Diameter

DN 1100

Pressure Class

PN 1

Stiffness Class

SN 10000

Application

Industrial sewage discharge pipeline

Installation Method

Open trench

Client

Salzburg AG

Designer

Wölfle ZT GmbH

Building contractors

**Russegger Bau,
Kronreif Bau (Abtenau)**

Advantages

Chemical and thermal resistance, long lifetime, quick and easy installation

In 2014, the town of Hallein in the Austrian state of Salzburg was provided with new flood protection structures to prevent the urban area from future damages caused by increasingly frequent floodings. It was decided to also include the industrial sewage discharge pipeline of the local pulp and paper factory Schweighofer Fiber in the construction works: The 990 m long sewer channel which was running right next to the river Salzach already showed some damages and had to be renovated.

Due to the content of chemicals and high temperatures of the industrial sewage – the pipeline transports pretreated industrial sewage with a temperature of 35-50°C –, the requirements for the new pipe material were particularly high. Among various materials that were taken into account at the first project phase, HOBAS emerged as clear favorite. The company’s extensive experience in the industry sector as well as the possibility to produce very durable pipes with a special resin, guaranteeing a very high chemical and thermal resistance, convinced the client and contractor.

The constantly changing groundwater level caused by the proximity to the river as well as the changing weather conditions posed challenges to the installation. In order to enable the renovation works, a temporary overground bypass channel was established to redirect the industrial sewage during construction time.

The new discharge pipeline DN 1100 has been put into operation at the beginning of 2015 and the client, building contractors, and designer were delighted. DI Josef Reingruber, Salzburg AG: “The technical support provided by HOBAS during the implementation of the project as well as the company’s flexibility and quick response to modifications in the installation plan left us very satisfied.”

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