

AUSTRIA - Linz

Voestalpine - Process Water Supply New Steelwork



Client

Voestalpine Stahl GmbH

Period

2007 - 2008

Project Cost

100.000.000 €

Abstract

A study about the process water supply was carried out for establishment of a new steelwork. About 5,000 m³/h fresh water was required for processing in the steelwork. The quality and quantity of the available fresh water did not correspond to the requirements for the intended site. As a result, it was planned to obtain the necessary fresh water from the surface water.

The abstraction facility is located about 80 km away from the steelwork. The process water is discharged to the pumps after running through the abstraction facility, where rough ingredients are held back by a screen. The pumps discharge the water for further treatment to a grit chamber. The pumping station finally delivers the purified water, after running through an intermediate pumping station, by means of two pipelines to the steelwork.

Scope of Service

on-site research
plant design
dimensioning of plant components
hyrotechnical calculations
calculation of investment costs
calculation of operation costs
cost control

Technical Data

Water abstraction	5,000 m ³ /h
Pipeline diameter	up to DN 1,000
Pipeline length	approx. 80 km