

AUSTRIA - Linz

Voestalpine - Sea Water Station Cooling Water Supply and Disposal



Client

Voestalpine Stahl GmbH

Period

2007 - 2008

Project Cost

500.000.000 €

Abstract

For establishment of a new steelworks with a pumping station and an air separator, a study was worked out for construction of a new sea water station to supply and dispose the cooling water. In the process of the study, three sites at the Black Sea (Ukraine, Romay and Bulgaria) were compared with each other. The objective of the study was to collect the necessary data for the plant components, on the basis of which the most appropriate locations could be identified. Besides local and technical boundary conditions, the comparison was made to determine a rough evaluation of the investment and operation costs.

Scope of Service

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

Technical Data

Water abstraction	165,000 m ³ /h
Pump capacity	up to 10 m ³ /s
Pipeline diameter	up to DN 3000
Cooling capacity	approx. 750 MW