

Belzona coats a Hydro Power pump shaft

ID: 8235

Industry: Water / Wastewater

Customer Location: Austria

Application: MPT-Mechanical Power Transmission

Application Date: May 2019

Substrate: Carbon steel

Products: Belzona 1311 (Ceramic R-Metal), Belzona 1321 (Ceramic S-Metal), Belzona 5811 (Immersion Grade), Belzona 9411 (Release Agent)

Problem

Conditions during operation: Head: 760 m, Power: 195 MW, Speed: 600 rpm Flow rate: 30 m³ / s. A slight increase in abrasion is to be expected within the new build.



Application Situation

In the course of a general refurbishment and performance increase of the pump, a new impeller was installed which changed the profile. This required a change in the contour of the shaft, which is where Belzona was required. The areas of the shaft in contact with water were coated with Belzona 5811.

Application Method

The application was completed in accordance with Belzona System Leaflet MPT-01 and CEP-03.

Belzona Facts

Due to the change in the contour of the shaft, Belzona were chosen due to its proven product ability to perform for this specific application.

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ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

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