

BELZONA REPAIRS AND PROTECTS DRAFT TUBE

CUSTOMER

Hydroelectric Power Plant, Turkey

APPLICATION DATE

Sep-21

APPLICATION SITUATION

Rebuild and repair of a draft tube used as part of a Hydroelectric process.

PROBLEM

Corrosion and cavitation on the draft tube caused by pressure fluctuations.

PRODUCTS

Belzona 9111 (Cleaner Degreaser)

Belzona 1311 (Ceramic R-Metal)

Belzona 1321 (Ceramic S-Metal)

SUBSTRATE

Carbon steel

APPLICATION METHOD

This application was carried out in accordance with a modified version of system leaflet VPF-01. After the surface preparation, Belzona 1311 was used to resurface the profile. Once the damaged areas had been repaired, the 40 cm inner part of the draft tube where cavitation was intense, was coated with Belzona 1321 in order to provide cavitation and erosion resistance.

BELZONA FACTS

Belzona was able to rebuild and protect the draft tube with a quick and easy solution. Therefore, the customer was very satisfied.

PICTURES

1. Surface loss caused by corrosion and cavitation
2. After mechanical cleaning
3. Preparation for the application of the second layer of Belzona 1321
4. Coated with Belzona 1321 in two layers



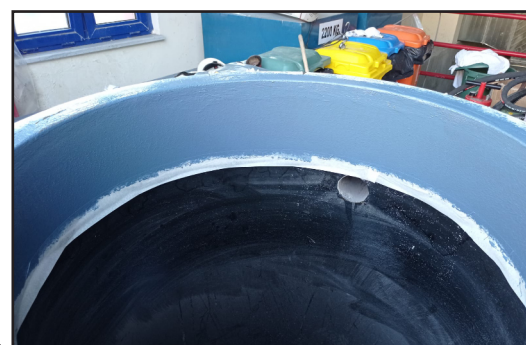
1.



2.



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