

Belzona Repairs and Protects Draft Tube

ID: 8707

Industry: *Fluid Flow*

Customer Location: *Hydroelectric Power Plant, Turkey*

Application:

Application Date: *September 2021*

Substrate: *Carbon steel*

Products: ** Belzona 9111 (Cleaner Degreaser) ,
* Belzona 1311 (Ceramic R-Metal) ,
* Belzona 1321 (Ceramic S-Metal) ,*

Problem

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



Photograph Descriptions

- * 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 ,

Application Situation

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

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.

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ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

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