

# Belzona Repairs and Protects Draft Tube

ID: 8707

Industry: *Fluid Flow*

Application:

Substrate: *Carbon steel*

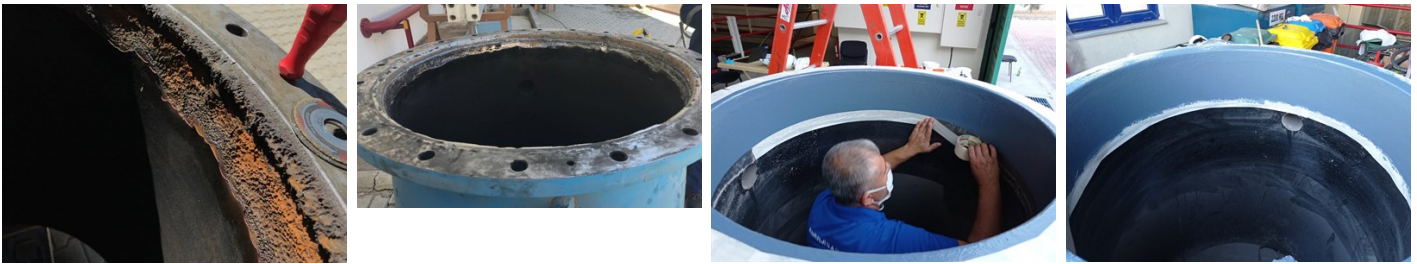
Products: *\* Belzona 9111 (Cleaner Degreaser) ,  
\* Belzona 1311 (Ceramic R-Metal) ,  
\* Belzona 1321 (Ceramic S-Metal) ,*

Customer Location: *Hydroelectric Power Plant, Turkey*

Application Date: *September 2021*

## 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.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

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manufactured under an ISO  
9000 Registered Quality  
Management System.

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