

BELZONA REPAIRS THE SUCTION PART OF A HYDRO TURBINE

ID: 7858



PROBLEM

The internal surface of this hydro turbine presented an important loss of metal which ultimately led to a hole.

APPLICATION SITUATION

Suction part of a hydro turbine from a hydroelectric plant

APPLICATION METHOD

The application was carried out in accordance with Belzona Know How System Leaflet ENC-11.

After preparing the surface by grit blasting, the hydraulic profile of the equipment was rebuilt from the inside using Belzona 1311. Two coats of Belzona 1331 were then applied to provide a long-term protection against erosion and corrosion. On the outside of the equipment, patches of SuperWrap were used to recover the mechanical strength of the equipment.

BELZONA FACTS

The customer was really happy with this quick application which only took 4.5 days.

INDUSTRY

Water / Wastewater

LOCATION

France

APPLICATION DATE

2018

PRODUCTS

Belzona 1311 (Ceramic R-Metal)
Belzona 1331
Belzona SuperWrap II

SUBSTRATE

Carbon steel

PHOTOS

- 1- Before application
- 2- After grit blasting
- 3- Application of Belzona 1311
- 4- After application

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

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