

# Belzona repairs the suction part of a hydro turbine

ID: 7858

Industry: *Water / Wastewater*  
Application: *ENC-Engines and Casings*  
Substrate: *Carbon steel*  
Products: *\* Belzona 1311 (Ceramic R-Metal) ,  
\* Belzona 1331 ,  
\* Belzona SuperWrap II ,*

Customer Location: *France*  
Application Date: *2018*

## Problem

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



## Photograph Descriptions

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

## 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 .

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

Belzona products are  
manufactured under an ISO  
9000 Registered Quality  
Management System.

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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.

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