

## BELZONA REPAIRS THE SUCTION PART OF A HYDRO TURBINE

### CUSTOMER

France

### APPLICATION DATE

2018

### APPLICATION SITUATION

Suction part of a hydro turbine from a hydroelectric plant

### PROBLEM

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

### PRODUCTS

Belzona 1311 (Ceramic R-Metal)

Belzona 1331

Belzona SuperWrap II

### SUBSTRATE

Carbon steel

### APPLICATION METHOD

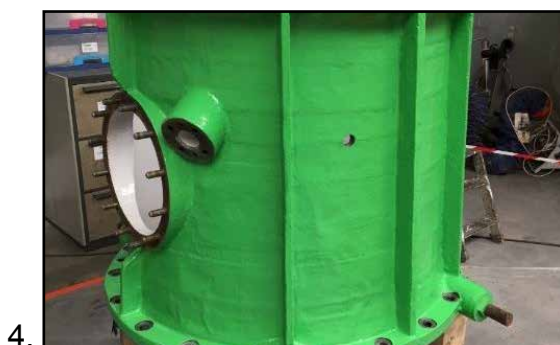
The application was carried out in accordance with Belzona Know How System Leaflet ENC-11. After preparing the surface by grit blasting, the hydraulic profile of the equipment was rebuilt from the inside using Belzona 1311. Two coats of Belzona 1331 were then applied to provide a long-term protection 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.

### PICTURES

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



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



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