

BELZONA REBUILDS SPIRAL CASING OF A FRANCIS TURBINE

CUSTOMER

Hydropower Plant, France

APPLICATION DATE

February 2001

APPLICATION SITUATION

Spiral casing of a Francis turbine.

PROBLEM

Corrosion, erosion and cavitation of the casing leading to vibrations and loss of efficiency.

PRODUCTS

Belzona 1311 (Ceramic R-Metal)

Belzona 1341 (Supermetalglide)

Belzona 5811 (Immersion Grade)

SUBSTRATE

Steel

APPLICATION METHOD

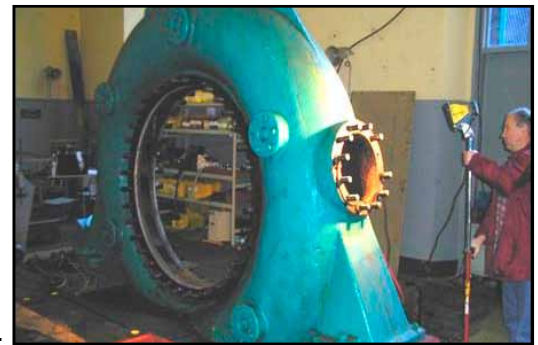
The casing was rebuilt with Belzona 1311 in accordance with Belzona Know-How System Leaflet PDP-6 and then protected with Belzona 1341 where the turbine fits. Then, Belzona 5811 was applied on the other parts.

BELZONA FACTS

The power group has recovered its full efficiency and long-term protection was provided to the casing.

PICTURES

1. Pump casing
2. After grit-blasting
3. Casing rebuilt with Belzona 1311
4. Completed repair with Belzona 1341 and Belzona 5811



1.



2.



3.



4.

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



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