

INJECTION OF BELZONA REPAIRS SHAFT

CUSTOMER

Hydropower Station, Spain

APPLICATION DATE

February 2008

APPLICATION SITUATION

2.9 M diameter Butterfly Valve which controls the inlet water to the turbine.

PROBLEM

After more than 30 years working, the shaft had severe damage and loss of diameter causing water leaks

PRODUCTS

Belzona® 1321 (Ceramic S Metal)

SUBSTRATE

Cast Iron

APPLICATION METHOD

Application was carried out in accordance with Belzona Know-How System Leaflet MPT-2.

BELZONA FACTS

Replacement of the shaft would have needed a large part of the installation to be disassembled. With Belzona the customer saved these high costs and has restored shaft with improved corrosion resistance. Use of former enabled shaft to be accurately reformed in-situ.

PICTURES

1. Original shaft damage
2. Heating the shaft with the former already installed
3. Injecting Belzona between the shaft and the former
4. Shaft rebuilt and protected at the same time



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



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