BELZONA REPAIRS A FRANCIS TURBINE

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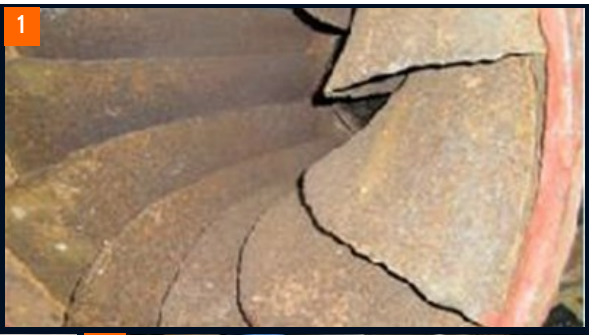
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PROBLEM
Based on previous experience and drawbacks of a hot applied solution, welding was not an option.

APPLICATION SITUATION
This turbine was in operation since 1976 and showed significant erosion-corrosion.

APPLICATION METHOD
Application was carried out in accordance with Belzona Know-How System Leaflets CEP-3 & 5. Belzona® 1311 was used to restore profiles before overcoating with Belzona® 1321 to provide protection from further erosion-corrosion.

BELZONA FACTS
The Belzona solution has avoided the replacement of the turbine which would have cost between 30000€ and 50000€. About 50 hours of works were needed to repair this turbine and the repair cost 10000€ to the client.

INDUSTRY
Power

LOCATION
Hydroelectric power plant / Moulin Neuf, France

APPLICATION DATE
September 2009

PRODUCTS
Belzona 1311 (Ceramic R-Metal) Belzona 1321 (Ceramic S-Metal)

SUBSTRATE
Steel

PHOTOS
Original turbine After disassembling
After rebuilding with Belzona 1311
Application of 2 coats of Belzona 1321

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