

BELZONA REPAIRS AND COATS HYDROELECTRIC TURBINE PIPELINES AND VANES

ID: 5618



PROBLEM

Wear caused by erosion and corrosion in the areas with high water turbulence.

APPLICATION SITUATION

Hydroelectric turbine pipelines and vanes.

APPLICATION METHOD

The application was carried out in accordance with Belzona Know-How System Leaflet CEP-1. The surface was prepared with a dry abrasive blast and cleaned with a degreaser. The worn areas were repaired with Belzona 1311 and then coated with Belzona 1321 to protect against erosion and corrosion.

BELZONA FACTS

As there was already a history with the successful use of Belzona products in a similar situation, the choice to apply Belzona 1311 and 1321 was once again made.

INDUSTRY

Power

LOCATION

Hydroelectric Power Plant, Brazil

APPLICATION DATE

November 2008

PRODUCTS

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

SUBSTRATE

Mild steel

PHOTOS

1. Internal surface of the damaged pipeline
2. Damaged vanes
3. Lower area of the pipeline coated with Belzona 1321
4. Vanes protected with Belzona 1321

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

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