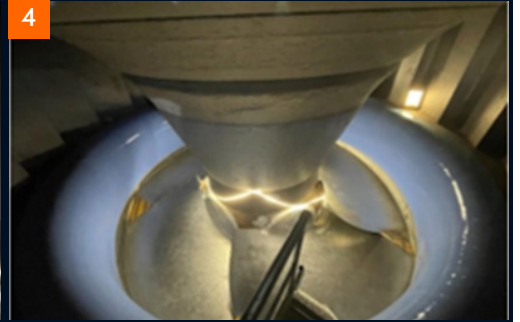


BELZONA REBUILD ERODED SPILLWAY IN THE HYDROPOWER INDUSTRY

ID: 8849



PROBLEM

The spillway at a hydroelectric power station had suffered from general erosion leading to a substrate loss of 15mm in over 24 different zones.

APPLICATION SITUATION

Spillway within a Hydroelectric Power Station.

APPLICATION METHOD

The spillway was grit blasted to 75 microns and a cleanliness standard of SA2.5 prior to degreasing. Once surface preparation was completed, Belzona 1311 was applied to rebuild the severely eroded areas of the spillway, prior to being overcoated with Belzona 1151, used to smooth the spillway back to its original profile (using a jig). 2x Coats of Belzona 1341 were then applied to provide a physical barrier between the spillway substrate and the operating environment, providing better erosion resistance. The application was carried out in accordance with a modified version of Belzona System Leaflet CEP-05.

BELZONA FACTS

The Belzona solution was implemented in under 2 weeks and resolved the clients ongoing erosion issues by reducing its previous and future rate of wear.

INDUSTRY

Power

LOCATION

Bollène, France

APPLICATION DATE

March 2022

PRODUCTS

Belzona 1311 (Ceramic R-Metal)

Belzona 1151 (Smoothing Metal)

Belzona 1341 (Supermetalgilde)

SUBSTRATE

Cast Iron

PHOTOS

1. Original spillway condition.
2. Template to rebuild the substrate to its original profile.
3. Spillway being rebuilt to its original profile.
4. Completed application top coated with Belzona 1341.

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

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