

BELZONA UPGRADES WEAR PLATES ON PELTON TURBINE

CUSTOMER

Hydroelectric Power Plant, France

APPLICATION DATE

May 2001

APPLICATION SITUATION

Pelton Turbine

PROBLEM

Vibration had lead to weld failure on the splash plates and the anti-wear plates needed replacing

PRODUCTS

Belzona® 1311 (Ceramic R-Metal)

Belzona® 5811 (Immersion Grade)

Belzona® 1812 (Ceramic Carbide FP)

SUBSTRATE

Steel

APPLICATION METHOD

The application was carried out in accordance with modified Belzona Know-How System Leaflets SHM-11 & GSS-9. Belzona® 1311 used to seal around wear plates and Belzona® 5811 was injected into the cavity behind the wear plates. Belzona® 1812 then applied over the top as a sacrificial coating.

BELZONA FACTS

The Belzona® 1812 was reapplied every year and 5 years after the initial application the anti-wear plates were still in place.

PICTURES

1. Application Situation
2. Weld Failure
3. Belzona® 1812 in Situation



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



ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

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