Know-How *in Action*

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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)

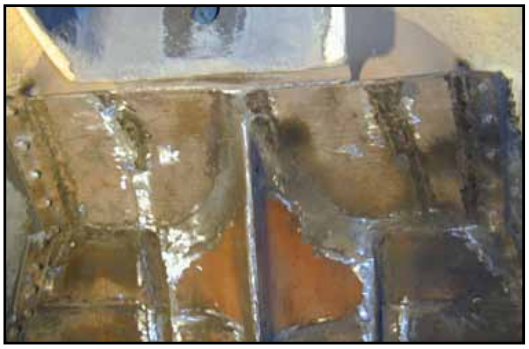
SUBSTRATE
Steel

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 sacrifical 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

1.



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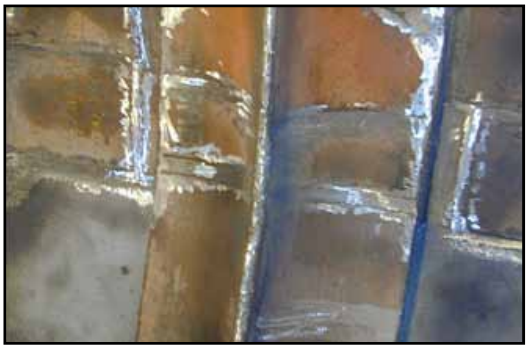

3.