

BELZONA REPAIRS FRANCIS TURBINE WICKET GATES

CUSTOMER

Hydroelectric Power Plant, Czech Republic

APPLICATION DATE

September 2003

APPLICATION SITUATION

Francis Turbine Wicket Gate

PROBLEM

Impact by debris in the water in conjunction with erosion and corrosion had left this turbine in a terrible state of repair and in need of replacement

PRODUCTS

Belzona® 1111 (Super Metal)

Belzona® 1341 (Supermetalgilde)

SUBSTRATE

Steel

APPLICATION METHOD

The application was carried out in accordance with Belzona Know-How System Leaflets CEP-8 and CEP-10.

BELZONA FACTS

After the overhaul and coating of both the wicket gates and the runner the client saw an increase in output of 10 - 15%. After one year only minor damage was seen due to impact with large objects in the water.

PICTURES

1. Damaged Wicket Gate Blade
2. Blade After Grit Blasting
3. Blade After Rebuilding With Belzona® 1111
4. Blade After Coating With Belzona® 1341



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



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