

Belzona® Repairs Francis Turbine Wicket Gates



Damaged Wicket Gate Blade.



Blade After Grit Blasting.



Blade After Rebuilding With Belzona® 1111



Blade After Coating With Belzona® 1341

STATISTICS

CUSTOMER

Hydroelectric Power Plant,
Czech Republic

APPLICATION DATE

September 2003

SUBSTRATE

Steel

PRODUCTS

Belzona® 1111
(Super Metal)
Belzona® 1341
(Supermetalgilde)

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

APPLICATION METHOD

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