

# BELZONA REPAIRS FRANCIS TURBINE WICKET GATES

ID: 708

Industry: Power

Customer Location: Hydroelectric Power Plant, Czech Republic

Application: CEP-Centrifugal Pumps

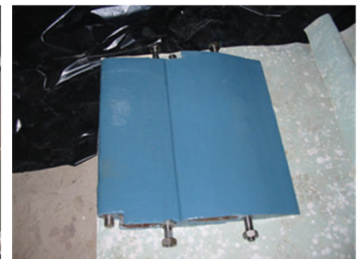
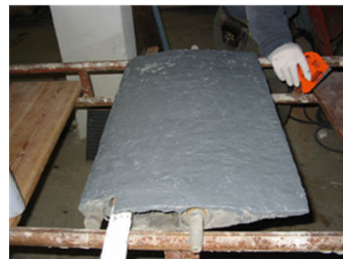
Application Date: September 2003

Substrate: Steel

Products: \* Belzona® 1111 (Super Metal) Belzona® 1341 (Supermetalgilde) ,

## 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



## Photograph Descriptions

\* Damaged Wicket Gate Blade After Grit Blasting Blade After Rebuilding With Belzona® 1111 Blade After Coating With Belzona® 1341 ,

## Application Situation

Francis Turbine Wicket Gate

## 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 three years in service some minor damage was repaired due to impact with objects in the water. In 2010 client expressed himself happy with the application.

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

ISO 9001:2015

FS 695214

ISO 14001:2015

EMS 695213

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