

# Hydro turbine repaired and protected with BELZONA

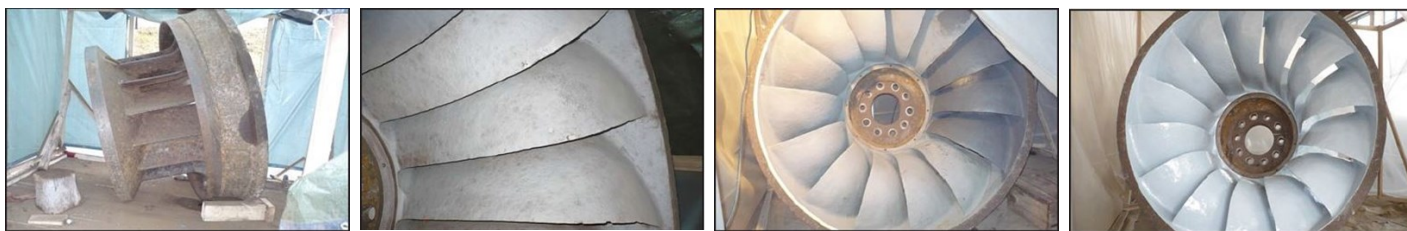
ID: 5159

Industry: Power  
Application: CEP-Centrifugal Pumps  
Substrate: Cast iron  
Products: \* Belzona 1311 (Ceramic R-Metal) ,  
\* Belzona 1341 (Supermetalgilde) ,

Customer Location: Power plant, Ukraine  
Application Date: January 2012

## Problem

*Erosion-corrosion and cavitation of the fan blades and of the face of the hydro turbine due to pressure*



## Photograph Descriptions

- \* General view of the impeller Surface preparation ,
- \* Grit blasting of the turbine ,
- \* Geometry of fan blades repaired using Belzona 1311 ,
- \* Repaired surfaces of the hydro turbine after the application of Belzona 1311 and Belzona 1341 ,

## Application Situation

Erosion-corrosion problems revealed during annual inspection

## Application Method

The application was carried out according to Belzona Know-How System Leaflets CEP-1 and FBC-2. Belzona 1311 was used to resurface the profile and Belzona 1341 was applied to improve efficiency and protect impeller from future erosion-corrosion

## Belzona Facts

The customer avoided replacement costs by using Belzona to repair the turbine and at the same time, reduced downtime. Belzona will protect the equipment from future erosion-corrosion.

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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