

BELZONA REFURBISHES EIGHTY YEAR OLD TURBINE RUNNER

ID: 2254

Industry: Power
Application: CEP-Centrifugal Pumps
Substrate: Cast Steel
Products: * Belzona® 1121 (Super XL Metal) ,
* Belzona® 1341 (Supermetalglide) ,

Customer Location: Hydro-electric plant, Arkansas
Application Date: 2008

Problem

Years of use had caused severe corrosion and cavitation erosion on the turbine. Customer had received bids for new replacement but chose Belzona on economic grounds.



Photograph Descriptions

- * Turbine before initial blast cleaning ,
- * Some of the cavitation damage ,
- * Project after Belzona® 1121 application ,
- * Completed project ,

Application Situation

Severely eroded Francis turbine runner.

Application Method

Application was carried out in accordance with Belzona Know-How System Leaflets CEP-3 & CEP-5. Corroded surfaces were rebuilt and smoothed with Belzona® 1121 before coating with Belzona® 1341 for long term protection.

Belzona Facts

Belzona method saved the customer in excess of \$150,000 and restored turbine to its original efficiency.

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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manufactured under an ISO
9000 Registered Quality
Management System.

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