

BELZONA REFURBISHES EIGHTY YEAR OLD TURBINE RUNNER

ID: 2254



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.

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.

INDUSTRY

Power

LOCATION

Hydro-electric plant, Arkansas

APPLICATION DATE

2008

PRODUCTS

Belzona 1121 (Super XL Metal)
Belzona 1341 (Supermetalglide)

SUBSTRATE

Cast Steel

PHOTOS

1. Turbine before initial blast cleaning
2. Some of the cavitation damage
3. Project after Belzona 1121 application
4. Completed project

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

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