

BELZONA PROTECTS HYDROELECTRIC TURBINE RUNNER

ID: 218

Industry: Power
Application: CEP-Centrifugal Pumps
Substrate: Phosphor Bronze
Products: * Belzona® 1111 (Super Metal) ,
* Belzona® 1341 (Supermetalgilde) ,

Customer Location: Hydroelectric power plant in Scotland
Application Date: November 2000

Problem

Over 40 years of service led to cavitation and corrosion.



Photograph Descriptions

- * The runner prior to application ,
- * Application underway with second coat of Belzona® 1341 being applied ,
- * The completed application with the smoothness of Belzona® 1341 clearly evident ,

Application Situation

Francis turbine runner

Application Method

The application was carried out in accordance with Belzona Know-How System Leaflets CEP-3 and CEP-5.

Belzona Facts

Conventional weld repairs would have been cost prohibitive. In addition, Belzona repairs do not create heat stress, an increase in efficiency is expected. The turbine does not operate full time. In summer there is often only enough water for operation one day per week.

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

Belzona products are
manufactured under an ISO
9000 Registered Quality
Management System.

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