

BELZONA MAINTAINS FRANCIS TURBINE

ID: 928

Industry: Power
Application: CEP-Centrifugal Pumps
Substrate: Steel
Products: * Belzona® 1111 (Super Metal) ,
* Belzona® 1321 (Ceramic S Metal) ,

Customer Location: Power Plant, Honduras, Central America
Application Date: November 2006

Problem

The water had produced an erosion/corrosion effect in several sections of four different parts of the Turbine. The biggest damage was located in the seal perimeter of the facing plate.



Photograph Descriptions

- * View of diffusers ,
- * Damage in seal perimeter ,
- * Machined area prior application of Belzona® 1111 ,
- * Final application of Belzona® 1111 and Belzona® 1321 ,

Application Situation

Complete Overhaul of all the parts and sections of a Francis Turbine. The turbine needed maintenance after 15 years of operation.

Application Method

Repairs were carried out utilizing Belzona Know-How System Leaflets CEP-4, CEP-5 and ENC-5.

Belzona Facts

The customer decided to make a complete maintenance using Belzona's products after we had repaired the shaft in 2004 with excellent results. The actual damaged part had a diameter of 3.8 m which was rebuilt, machined and rectified to precise measurements for its assembly.

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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