

BELZONA MAINTAINS FRANCIS TURBINE

CUSTOMER

Power Plant, Honduras, Central America

APPLICATION DATE

November 2006

APPLICATION SITUATION

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

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.

PRODUCTS

Belzona® 1111 (Super Metal)

Belzona® 1321 (Ceramic S Metal)

SUBSTRATE

Steel

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.

PICTURES

1. View of diffusers
2. Damage in seal perimeter
3. Machined area prior application of Belzona® 1111
4. Final application of Belzona® 1111 and Belzona® 1321



1.



2.



3.



4.

For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



ISO 9001:2008
Q 09335
ISO 14001:2004
EMS 509612

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