

BELZONA MAINTAINS FRANCIS TURBINE

ID: 928



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.

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.

INDUSTRY

Power

LOCATION

Power Plant, Honduras, Central America

APPLICATION DATE

November 2006

PRODUCTS

Belzona 1111 (Super Metal)
Belzona 1321 (Ceramic S Metal)

SUBSTRATE

Steel

PHOTOS

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

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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