

BELZONA REPAIRS AND IMPROVES FRANCIS TURBINE RUNNER

ID: 707



PROBLEM

The runner had suffered extensive damage from erosion, corrosion and mechanical damage.

APPLICATION SITUATION

Francis Turbine Runner

APPLICATION METHOD

The application was carried out in accordance with Belzona® Know-How System Leaflets CEP-8 and CEP-10.

BELZONA FACTS

After the repair and coating of both the runner and wicket gates a 10 - 15% increase in output was recorded and the turbines were able to run at a greater range of heads than were possible before, thus earning the customer many time more in profit than the cost of the repair. After one year operation the runner was inspected and was found to have only suffered minor damage due to impact with pieces of wood. A further inspection in 2006 showed runner still to be in excellent condition and in 2010 client expressed himself happy with the application.

INDUSTRY

Power

LOCATION

Hydroelectric Power Plant, Czech Republic

APPLICATION DATE

September 2003

PRODUCTS

Belzona 1111 (Super Metal) Belzona 1341 (Supermetalglide)

SUBSTRATE

Steel

PHOTOS

Damaged and worn runner After grit blasting Rebuilding with Belzona 1111 After coating with Belzona 1341

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