

Belzona Repairs and Improves Francis Turbine Runner



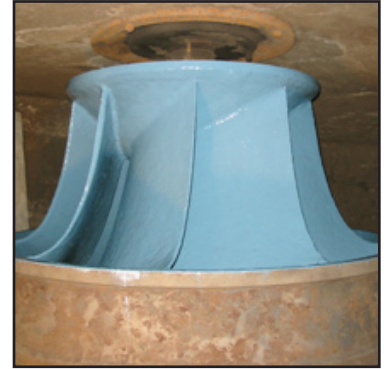
Damaged and worn runner



After grit blasting



Rebuilding with Belzona® 1111



After coating with Belzona® 1341

STATISTICS

CUSTOMER

Hydroelectric power plant,
Czech Republic

APPLICATION DATE

September 2003

SUBSTRATE

Steel

PRODUCTS

Belzona® 1111
Belzona® 1341

APPLICATION SITUATION

Francis Turbine Runner.

PROBLEM

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

APPLICATION METHOD

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

BELZONA FACTS

After one year operation the runner was inspected and was found to have only suffered minor damage due to impact with pieces of wood. 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 times more in profit than the cost of the repair.