



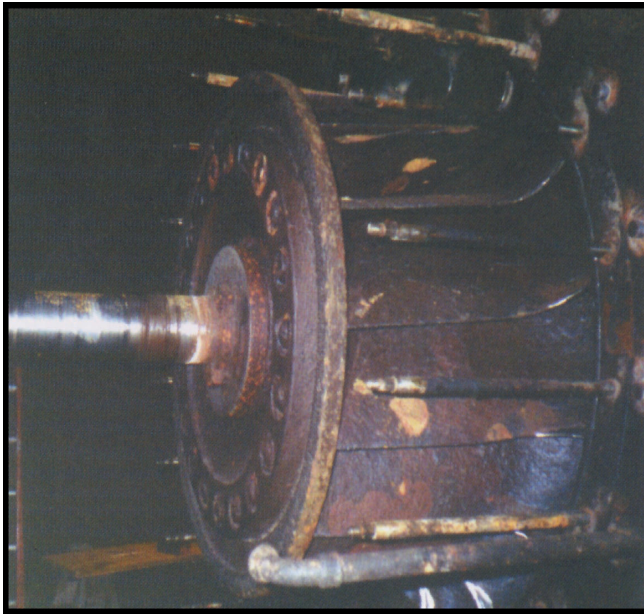
Unconventional Solutions, Inc.

Experts in Repair and Protective Coatings

MI 248.735.7000 | OH 937.704.4220

www.USIgroups.com

Project: Turbine Refurbishment



The Problem

This turbine was originally built in 1923 and was used in a hydro-electric power plant.

The whole turbine was badly worn after years of use without protection. A protective coating was required to protect the equipment from future erosion, corrosion, and cavitation attack.

The Solution

The turbine was dismantled and all metal surfaces were abrasive blasted to SA 2-1/2.

All blasted surfaces were then coated with **USI Ceramic Rebuild** which was applied at approximately 1mm.

The outlet channel was blasted and coated with **USI Ultimate and Chemical Coating**.

The turbine was
back into service

