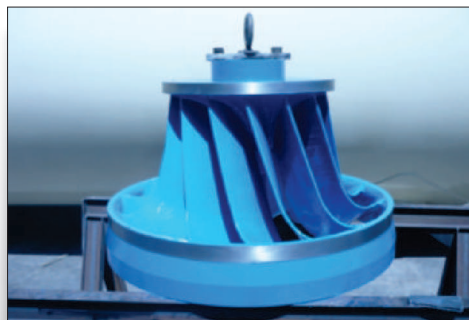


Hydroelectric Power Plant Repairs & Protects Francis Turbine with METALCLAD[®] & FLEXICLAD[®]

In a 54-year old hydroelectric plant near Santiago, Chile, major problems of erosion, corrosion and cavitation, made even more severe by a large amount of suspended solids, necessitated a complete refurbishment of this Francis turbine.

The plant engineers called in their local ENECON Fluid Flow Specialists who determined that an integral solution to the problem involved a complete restoration process.

After cleaning and grit-blasting the turbine, METALCLAD CeramAlloy CP+AC was applied to rebuild all deeply eroded areas. CeramAlloy CL+AC was then used to resurface the turbine blades. Finally, the FLEXICLAD DuraTough DL system was used to protect all wet areas against cavitation as well as the abrasive action of the sand and silt in the river water.



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