

ENECON Italia

Saves 90-Year Old Pump For The Italian Navy



Damage was very severe



This huge, 90-year old, cast iron pump casing and impeller from an Italian Navy dry-dock were so severely eroded and corroded that the facilities engineers had decided to scrap it and order a new pump. The \$100,000 price tag for a new pump, however, persuaded the engineers to have the components rebuilt with ENECON High Performance Polymer Composite materials by the skilled engineering team at ENECON Italia.

The deeply pitted casing was first grit blasted then "primed" with CHEMCLAD SC. The

very deep pits were rebuilt with DuraQuartz and the entire surface coated with two coats of CeramAlloy CL+ [AC]. The outside of the casing was also protected with two coats of CHEMCLAD SC.

The damaged impeller was rebuilt with DurAlloy and then protected from future erosion and corrosion damage with two coats of CeramAlloy CL+ [AC].

The entire project was carried out at ENECON Italia's workshop in Naples at less than 10% of the replacement cost for a new pump.