



Damaged Guide Vanes



Expanded Metal Mesh Used to Reinforce Damaged Guide Vanes



Repaired Guide Vanes



Monel Impeller After Blasting



Impeller Coated with CeramAlloy CL+AC



## U.S. Navy Salvages Main Salt Water Circulating Pump on an Amphibious Assault Ship with CeramAlloy

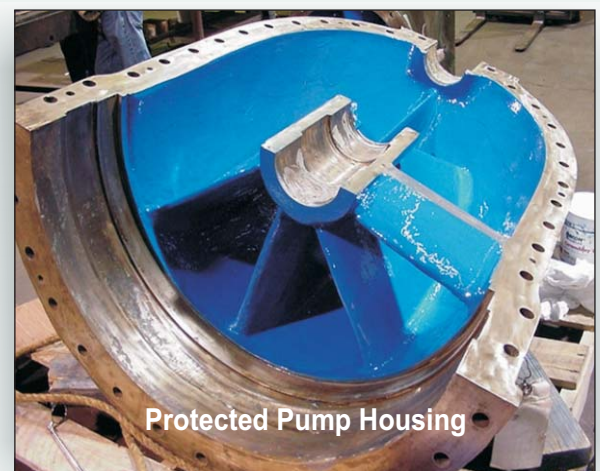
ENECON Hampton Road's Pier Side Rapid Availability Team (P.R.A.T) were recently called in to solve a severe erosion/corrosion issue on the main sea water circulating pump that feeds the main steam condenser on an LHD vessel. This class of ships carries helicopters, Harriers (vertical take-off jets), LCAC's (Landing Craft - Air Cushion hover crafts) as well as about 2,000 Marines and all their equipment. It is a key component of the U.S. Navy's amphibious assault arsenal.

A direct replacement

for this 13 year old bronze/monel pump was not available and a redesigned pump would have required extensive re-piping and would have cost the Navy over \$250,000.

These photos, supplied by E.H.R's P.R.A.T engineers,

illustrate a typical ENECON pump repair and coating procedure that was carried out in just a few days and cost the U.S. Navy just \$12,000.



Protected Pump Housing