



### Oil Cooler Heat Exchanger

#### Corrocoat Repair Corroded Tube Sheets

**Industry:** Power  
**Product:** Corroglass 600 Series  
**Expertise:** Repair & Rebuild Plant

These heat exchangers were originally epoxy coated. On inspection the tube sheets were badly corroded and the client considered replacement of the tube sheets and tubes with 8 weeks down time. Corrocoat repaired and coated the existing sheets with the Corroglass 600 series in just 4 days and at 10% the cost of replacement.



### Ship Lady Elaine

#### Water Box Rebuild

**Industry:** Marine  
**Product:** Corroglass 600 Series & Kevlar Matting  
**Expertise:** Repair & Rebuild

**Left:** This water box was blasted, decontaminated and exhibited severe corrosion, holes through the casing and the division plates were virtually corroded away.

**Right:** The same water box fully refurbished with the Corroglass 600 series and Kevlar matting.



### Water Cooled Condenser End Covers

#### Epoxy Paint Vs. Polyglass 600 Series

**Industry:** Air Conditioning  
**Product:** Polyglass 600 series  
**Expertise:** Coating of Heat Exchanger End Covers & Tube Sheets

The end cover shown here was painted 5 times in 10 years with Epoxy paint. Under the paint it had corroded and there was deep pitting. The end cover was blasted, repaired and coated with the Polyglass 600 series. There was no corrosion or maintenance required for the next 10 years.



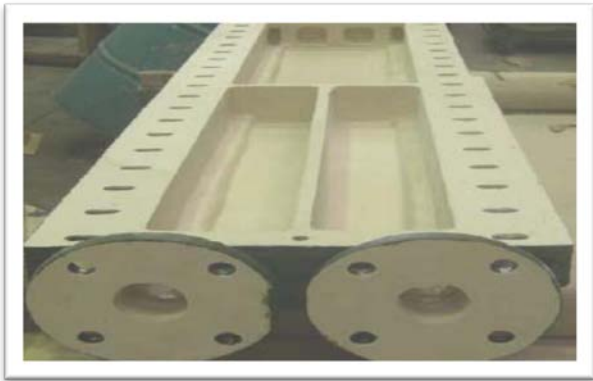
### Shell & Tube Heat Exchanger End Covers

**Sever Metal Loss Due to Water and Galvanic Corrosion**

**Industry:** Process  
**Product:** Corroglass 600 Series  
**Expertise:** Rebuild all internal surfaces to original profiles

**Left:** This cast iron end cover had been in service for 2 years and was severely corroded.

**Right:** The division plate was rebuilt with Corroglass 600 series and matting. The sealing faces were machined back to their original dimensions. The result provided corrosion protection and many years of trouble free service.



### Motor Oil Cooling Water Box

**Sea Water Corrosion Repair & Protection**

**Industry:** Power  
**Product:** Corroglass 600 series, Glass Matting & Plazmet ZF  
**Expertise:** Repair & Corrosion Protection

This water box was severely corroded by seawater and was leaking badly. Corrocoat repaired the leaks and pitting and rebuilt the division plates using the Corroglass 00 series and glass matting. The external surfaces were protected using Plazmet ZF.



### Condenser End Covers

**Significant Metal Loss**

**Industry:** HVAC  
**Product:** Corroglass 600 Series & Kevlar Matting  
**Expertise:** Rebuild Scrap Components

This condenser end cover was considered scrap; however Corrocoat was able to rebuild it using a composite laminate of the Corroglass 600 series and Kevlar matting. Two stainless steel sockets were welded in place and the end covers put back into service without the risk of future corrosion and at a fraction of the replacement costs.



***OIL COOLER HEAT EXCHANGERS***  
*Case Studies*