

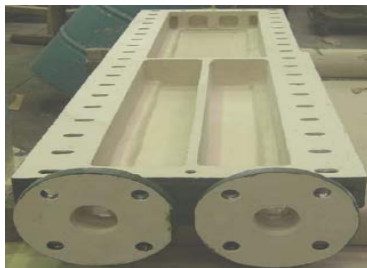


### Power Industry

#### High Temperature Protection in a Desulphurization Plant

**Industry:** Power  
**Product:** Polyglass VEF & Corrothane XT  
**Expertise:** Internal coating of tanks and pressure vessels

Following the failure of an epoxy coating after 3 years Corrocoat were asked to refurbish the internal coating of the absorber. XT was used on the upper areas where working temperatures were close to 200°C and VEF was used on the remainder of the absorber.



### 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 600 series and glass matting. The external surfaces were protected using Plazmet ZF.



### Sea Water Venturi

#### Cavitation, Undercutting & Severe Corrosion Around Flange Area

**Industry:** Power  
**Product:** Internal - EA / EB Series, Fluiglide E. Externals - Plazmet ZF.  
**Expertise:** Internal & External Coating of Pipe Work

Corrocoat EA and EB series provide good resistance to erosion, cavitation and impact when used at thicknesses above 1.5mm. These cast iron components were originally glass lined and were fully refurbished with the above Corrocoat system.



### Low Cost Epoxy Coating Failure

#### Cooling Water

**Industry:** Power  
**Product:** Corroglass 600 series  
**Expertise:** Repairs and Rebuilds

This pipe was coated with a low cost epoxy coating and had failed after 9 months due to poor preparation, heavy salt contamination, low bond and high permeation. Corrocoat removed the faulty coating, decontaminated the substrate and lined the pipe with Corroglass 600 series. The pipe has been in service for over 10 years with no problems.



## 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 600 series in 4 days and at 10% the cost of replacement.

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## Cost Effective Valve Refurbishment

**48" Butterfly Valve Refurbishment**

**Industry:** Power  
**Product:** Corroglass 600 Series  
**Expertise:** Rebuild Valves

The valve flap and body had deep pits and metal loss around the sealing edges. As a result the valve had become totally ineffective. The valve was totally refurbished old for new with a 20 year life expectancy. The refurbishment of an existing valve can provide considerable savings over expensive metal castings or new valves with changes to pipework.

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## Non Toxic Anti Foul For Seawater Screens

**Structural Steel Work**

**Industry:** Power  
**Product:** Corroglass 600 series & Biofoul  
**Expertise:** External Coating of Sub Sea Steel

These screens were suffering from corrosion and marine growth. Corrocoat, blasted, decontaminated and patched the screens, then applied a 1.5mm coating of Polyglass 600 series to eliminate any future corrosion. A top coat of environmentally friendly Biofoul was applied to the screens as a long term anti foul treatment. The use of Biofoul has eliminated the costly requirement for regular cleaning and maintenance by divers.

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## Large Butterfly Valves

**Protection Of New Valves or Refurbishment of Old**

**Industry:** Power  
**Product:** Corroglass 600 Series  
**Expertise:** Internal protection of Valves

Corrocoat can protect and refurbish large butterfly valves. We have extensive knowledge of these large valves and our UK factory can manufacture valves from 1.25M dia to 3.35M dia. The addition of Corroglass 600 series when new will help protect these expensive assets and increases their design life considerably.

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