



### BHP Petroleum- Griffin Venture North West Shelf Pipework coating

**Industry:** Oil & Gas  
**Product:** Corroglass 600 Series & VE Pipe Grade  
**Expertise:** Internal & External Coating of Pipework

Warm seawater corroded the existing Stainless Steel pipe spools. BHP specified Corrocoat to internally coat new carbon steel pipe spools as part of a major refit. By eliminating the need to regularly replace the pipes together with unplanned shutdowns and lost production, significant savings were achieved with this anti corrosion system.



### Prover Loop Protection Accurate Measurement of Crude Oil Flow

**Industry:** Oil & Gas  
**Product:** Polyglass VEF & Fluiglide  
**Expertise:** Internal Pipe Spraying

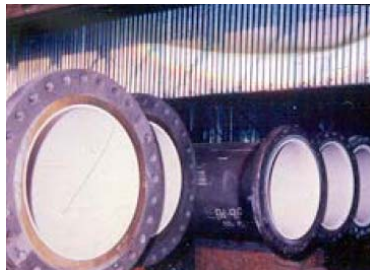
For a prover loop to accurately measure the crude oil, minimal surface friction and a long term corrosion protection is critical. Corrocoat's VEF & Fluiglide provided the perfect solution for this carbon steel prover loop in the Middle East. Corrocoat's pipe blaster and sprayer are designed and manufactured in house to match the requirements of Corrocoat materials.



### Seawater Pump Riser Pipes After 21 Years of Service

**Industry:** Oil & Gas  
**Product:** Corroglass 600 Series  
**Expertise:** Internal & External Pipe Coating

These pipes were originally coated in 1983 with Corroglass. They were exposed, externally to seawater (immersed, splash zone & atmospheric) & internally to warm sea water before being removed for inspection in 2004. The coating was found to be in excellent condition, touched up & the pipes put back into service.



### Oil & Gas Sea Water Caissons & Riser Pipes

**Industry:** Oil & Gas  
**Product:** Polyglass VEF  
**Expertise:** Internal Coating of Pipework

Warm seawater with high velocities and entrained solids resulted in high maintenance costs and lost production to repair the original rubber lining. The rubber was replaced with a Corrocoat VEF coating using an internal pipe sprayer. Time in service without maintenance 18 years.



## Cawse Nickel

### High Temperature Acid Attack

**Industry:** Mining  
**Product:** Corrothane XT  
**Expertise:** Internal Coating of Flues and Pipes

This flue suffered from high temperature sulphuric acid fumes condensing on the wall. Although rubber lined, the metal loss was unacceptable on certain sections of the flue. After removal of the rubber lining the new and existing sections were all coated with Corrothane XT to prevent any further acid attack of the mild steel flue.



## 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.



## Seawater Fire Main

### Oil Refinery

**Industry:** Oil & Gas  
**Product:** Corroglass 600 series & Plasmert ZF  
**Expertise:** Internal & External Pipe Coating

This reducing spool forms part of a seawater fire main. Without protection severe corrosion would occur rapidly in this aggressive sea water environment. The design life of the firemain was 15 years so Corrocoat was selected to provide corrosion protection internally with 600 series and external protection with ZF.

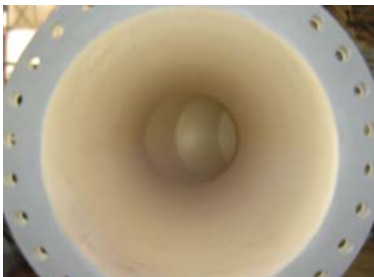


## Pipe Bridge Restored

### Structurally Dangerous

**Industry:** Water & Waste Water  
**Product:** Plasmert ZF & 600 series.  
**Expertise:** Structural Steel

A structural survey revealed this pipe bridge required extensive repairs and corrosion protection. After the repairs the entire structure and pipe externals were treated with two coats of Plasmert ZF. The bridge and pipe were re inspected 7 years later and found to be corrosion free.



## Rubber Lining Replaced

### Steam, Sulphuric & Hydrochloric acid at 120°C

**Industry:** Mining  
**Product:** Corrothane XT  
**Expertise:** Internal Coating of Pipe Work

The process conditions in the pipe work include steam, sulphuric and hydrochloric acid with some solids at 120°C. The existing rubber lined, carbon steel, pipe work had failed quickly due to acid attack. The new pipe work was lined with Corrothane XT and provided excellent long term protection.