



New ways of stopping corrosion

Orbis Oxifree (TM198) Corrosion Coating

A significant focus for work in the gas industry is to devise new, effective and efficient ways to inspect, maintain and extend the life of our assets. Components of the gas network can deteriorate through chemical and physical abrasion.

Historically, a range of techniques have been used to avoid corrosion, including protective wrapping of gas pipes or treatment with specialist paints. This project investigated an alternative protective coating that could increase our network reliability and, through its unique chemistry, reverse existing corrosion.

Orbis Oxifree (TM198) Corrosion Coating is a new (to the gas industry) and environmentally friendly coating that can be applied to strategically important valves and flanges in different environmental conditions to prevent corrosion. The coating can be easily applied and removed, allowing inspection and reapplication. This project assessed the suitability and performance of the product – which is currently used on offshore platforms – for use in the onshore gas industry.



**YOUR GAS EMERGENCY
AND PIPELINE SERVICE**



Key Benefits

- Protecting and extending the life of our assets.
- Reverses the corrosion of assets through its application.
- Meets our priority to promote sustainability through reduced use of paints, thinners and cleaners.

Next Steps

- Following successful testing the product has potential to be applied to a range of components of the gas network, including:
 1. Equipment exposed to the elements such as valve mechanisms and telemetry points.
 2. Insulation joints on the inlet and outlet pipes to Pressure Reduction Installations.
 3. Parts prone to temperature changes and surface sweating like outlet pipe flanges and connection points.

