



Viable preservation alternatives in offshore oilfields

Available through Savcor Products Australia, Cortec's VpCI® technology offers excellent corrosion protection on developing oilfields, particularly in an offshore environment.

New offshore platforms in developing oilfields occasionally require preservation of subsea or topside piping and pipelines while awaiting final commissioning or increased production demand. Although nitrogen purging is a common means of preservation, it requires constant pressure that is difficult and expensive to monitor on unmanned offshore platforms.

Cortec's Vapor phase Corrosion Inhibitor (VpCI®) technology offers excellent alternatives that are effective, easy to use and eliminate the need for constant monitoring. The specific product choice will depend on the parameters of each project but may include one or more of three options.

EcoPouches

EcoPouches can be used to preserve subsea pipelines with a completely dry form of protection. These breathable pouches emit vapor phase corrosion inhibitors that form a protective molecular barrier on metal surfaces inside an enclosed space.

The pouches are dosed according to internal volume (one pouch protects up to 1 m³ [35 ft³]), and the protective vapors can be blown through the pipeline using dry air. Little or no surface preparation is required, although it is advisable to analyse the condition of the pipeline before application using caliper and/or intelligent pigging.

All that is required after application is a periodic check to ensure the system is still enclosed.

VpCI-649 BD

VpCI-649 BD is a good candidate for corrosion protection of topside lines on a new offshore platform. Water injection lines, for example, may not be put into use until well pressure declines and production demand increases.

To protect against corrosion in the meantime, VpCI-649 BD may be applied during hydrostatic testing. VpCI-649 BD forms a very thin protective film on the internal surfaces in direct contact with the hydrotesting water. It also emits vapor phase corrosion inhibitors to protect areas that are more difficult to reach.

Like EcoPouches, VpCI-649 BD does not require constant monitoring to ensure ongoing protection.

VpCI-706

A third option particularly suited to long-term protection of subsea pipelines is VpCI-706, a vapor phase corrosion inhibitor additive formulated for use in fuel, but also applicable for fogging into empty pipelines that will be closed at each end during preservation.

It can be used alone or as a backup to nitrogen purge. When applied in conjunction with nitrogen, it provides excellent redundant protection should the constant pressure required for nitrogen blanketing fail.

If this happens, the vapor phase corrosion inhibitors of VpCI-706 will continue to provide protection, eliminating the need for constant pressure and monitoring, which would be challenging and expensive on an unmanned offshore platform.

VpCI technology provides thorough protection by using vapor phase corrosion inhibitors that protect even difficult to reach spaces and make it easy to bring equipment online. **P**

For more information please contact your local Savcor Products Australia representative on **1800SAVCOR** or visit **www.savcorproducts.com.au**



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Cathodic Protection Materials: <ul style="list-style-type: none">• Cortec VpCI Preservation Materials• Sacrificial anodes (Zn, Mg, Al)• Corrosometer resistance probes• Gypsum bentonite backfill• Dehn & Sohne IEC Certified Spark Gap Arresters• Surge Protectors• Borin Permanent & Portable electrodes• Loresco Coke Backfill• APS Flange Insulation Kits• Radolid Nuts Protectors	Pipeline Fittings & Equipment: <p>Pipeline pigs and equipment including:</p> <ul style="list-style-type: none">• Foam, Poly Coated & Wire Brush Pigs• Monolithic Insulating Joints• Hot Tapping Equipment• Wachs Pipe Cutting and Beveling• Pipe Seals, Pipe Clamps, Leak Repair• APS Casing Spacers• Impressed Current & Sacrificial Anodes
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Trusted Supplier of Cathodic Protection & Prevention materials in Australia.

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