About

FF 🤟 🔯



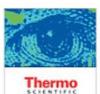






- Mining/exploration & production
- Positive material identification (PMI)
- Environmental analysis





Thought Leaders

- · Creating Ultra-High Strength Steels For Large Vehicles - An Interview With Quanshun Luo
- · Hydroxyapatite In Hydrogels For Blomedical Applications - An Interview With Chris Sammon
- . Ceramic Composites For Use In Military Armor: An Interview With Hywel Jones







the world of materials in the palm of your hand



Cortec's CorroLogic Corrosion-Under-Insulation System **Enables Real-Time Corrosion Rate Monitoring**

Published on April 9, 2014 at 1:03 AM

Cortec's CorroLogic™ Systems has a Corrosion-Under-Insulation (CUI) program that applies a systematic approach for CUI assessments, repairs, and documentation. Developing and implementing a comprehensive CUI program is essential to reduce the risk to your operations, 98% of insulation system problems are caused by moisture that leads to physical deterioration.

This compromises the equipment and insulation system integrity, triggering significant economic and safety issues. Cortec's CorroLogic™ products, processes, and equipment are used to alleviate CUI in a wide variety of environments. The equipment is capable of producing real-time measurements at the surfaces of insulated pipe. The processes incorporate the application of Cortec's proven, patented, multi-phase VpCI® chemistry to eliminate external surface corrosion. The CorroLogic™ System will make a huge impact on mitigation of CUI with no service disruption, no recoating, and no insulation removal,

Industry estimates indicate that CUI costs the chemical and oil-and-gas industries in excess of \$100 million annually. A thorough CUI program should help facility managers and engineers identify strategies for implementation. It should consist of prevention, early detection, mitigation, and a mechanical integrity preventative maintenance program designed to continually address the hazards of CUI. The Cortec® CorroLogic™ CUI System includes all of these with real-time corrosion



rate monitoring to evaluate the corrosiveness of the insulated pipe environment and effectiveness of the corrosion inhibitor. Long-term control of CUI is engineered into the program through easy and economical replenishment of VpCI® as needed.

Read in | English | Español | Français | Deutsch | Português | Italiano | 日本語 | 野雪の | 何体中文 | 海鏡中文 | Nederlands | Русский I Svenska