Spread of corrosion assessment in a continuous salt-water spray environment.

**The trillion-dollar problem**

Corrosion under insulation (CUI) can cause catastrophic failure of equipment and prolonged downtime.

**CUI 40 to 60% of pipe maintenance spend is down to CUI, costing the oil and gas industry around $1 trillion globally per year.**

**Preventing CUI**

Corrosion experts, TNO/Endures, installed two pipes covered with ArmaFlex, one with GRP cladding and one without. Insulation and cladding had holes drilled in different parts of the system.

**A tough test**

Pipe A: ArmaFlex closed-cell FEF material, used in combination with ArmaFlex adhesive, limits the spread of corrosion to areas just under the holes.

“The no significant corrosion is observed in this area” says TNO/Endures

Pipe B: Water ingress did not penetrate the insulation. “NO CORROSION” says TNO/Endures

**Result: corrosion stopped**

The independent research found that:

**Proven performance:**

The test shows that in an environment ideal for CUI, “The ArmaFlex system mitigates and restricts the spread of corrosion”

**For more information:**

www.armacell.com/oilandgas/cui

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