

## Monitor Data Under Insulation

iSensPro is an innovative and patented permanent sensor system to monitor and to analyze the health condition of insulated static equipment.

**Leaks and corrosion are often hidden under the insulation and the cladding.** As such they are invisible to the outside and pose a serious risk hazard for maintenance professionals. So to address these issues, iSensPro have developed a unique leak, moisture and corrosion under insulation sensor system. The sensor can be installed on the outside of the cladding without removing the insulation, as opposed to actual or existing techniques. As such the non-intrusive sensor system is easy to fit on existing and new installations.

Monitoring industrial piping installations with the unique iSensPro technology covers all four static equipment maintenance tasks

- + Inspection
- + Detection
- + Prediction
- + Mitigation



## Leak & Moisture Detection

Leaks in industrial pipelines are a **major cause for hazardous maintenance** challenges.

**Small leaks, condensation and water ingress** however are very hard to detect. These lead to long-term damage and especially to **Corrosion Under Insulation** if not discovered and fixed rapidly. The unique iSensPro sensor monitors leakage under the insulation on a continuous basis.

It is now possible to monitor moisture (condensation or water ingress) in the insulation and to flag leaks directly as alarms.



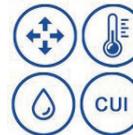
**Non-Intrusive**  
Easy to install on the outside of the cladding with no the need to remove the existing insulation.



**Complete Detection**  
Monitoring the entire section 360 ° around the piping.



**Real-Time 24/7 Monitoring**  
The presence of moisture under the insulation.



**Data > Knowledge > Action**  
Monitor the 'data under insulation' and drive your maintenance team to work on pro-active value added tasks.

## Corrosion Under Insulation (CUI)

**Corrosion Under Insulation (CUI)** poses a significant operational problem, a possible safety hazard and an economic cost.

**CUI is invisible** through the insulation. As a result this makes it **difficult for conventional visual techniques to detect the problem.**

Even more, when using conventional techniques, the removal of insulation is often required for inspection, timing and exact location are important. Hence, unnecessary costs are sometimes invoked.

It's now possible to monitor Corrosion Under Insulation (CUI) or coating degradation through the cladding and the insulation.

