

Gas Storage Wells Applications

Flow Assurance Monitoring Package



Modular System



Quick Installation and Remote Monitoring Capability



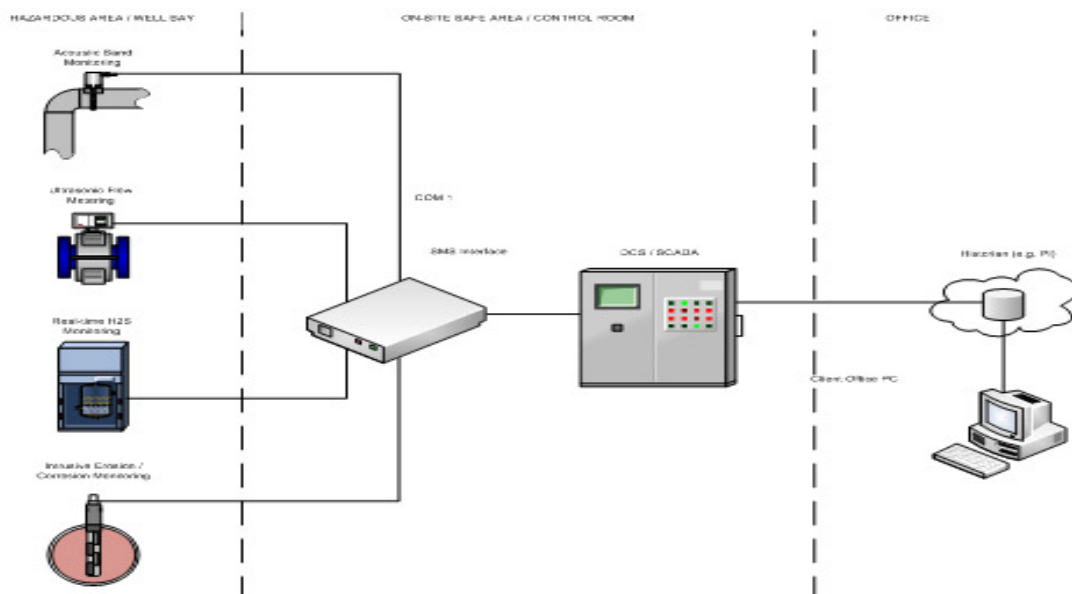
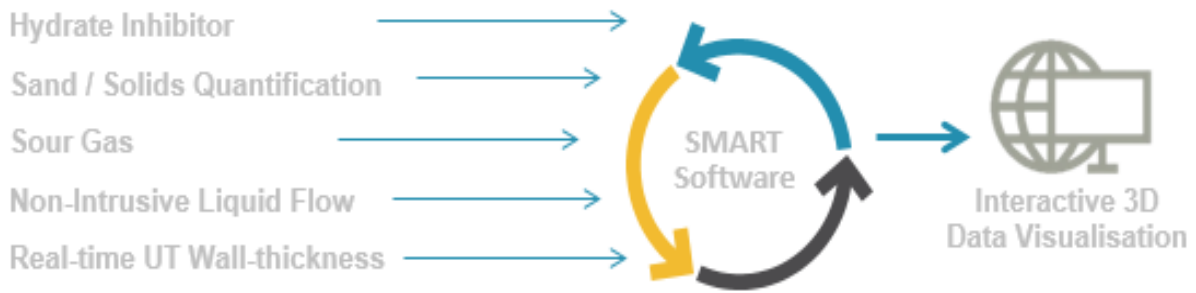
Real Time Increased Production



Quantification capability



Alerting



Sense



Understand



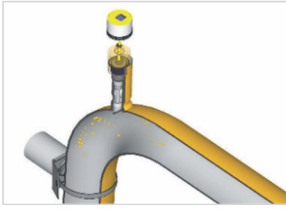
Perform

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Sand, Erosion & Corrosion Monitoring



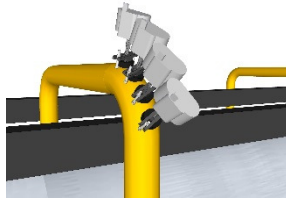
Acoustic & intrusive sensor packages provide instantaneous detection of solids production and when combined with flow monitoring provides solids quantification.

Increased safety - Reducing risk and potential damage to plant

Reduced costs- Data redundancy via two independent measurements

Continuous Data- Instantaneous, data allows faster more reliable decisions

Realtime UT Wall Thickness Monitoring



An array of installed real-time UT wall thickness sensors, measures absolute wall thickness, this monitors corrosion / erosion high-risk areas continuously.

Increased safety- No requirement for personnel to inspect high-risk areas

Reduced costs- No requirement for offshore manual operations

Continuous Data Real-time identification of wall loss at high-risk areas

Gas Monitoring



The Realtime H2S monitoring systems is an automated system capable of delivering real time H2S and Co2 measurements up to 40% volume.

Increased Safety - Reduces risk / personnel exposure to harmful samples

Fully Automated - Automated, minimum maintenance, infield calibration

Integration / Alarming - Integration of data and alarms to acquisition system

Portable Non-Intrusive Flow Monitoring



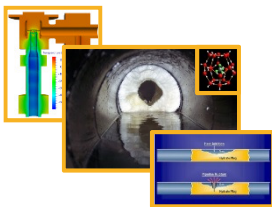
Portable Non-Intrusive liquid flowmeter, utilises a dual monitoring method that can deliver volumetric flow and flow velocity, suitable for high solids content

Non-Intrusive - Allows installation and repositioning whilst flowing

Fully Automated - Automated, minimum maintenance, in-field calibration

Integration / Alarming - Realtime integration into data acquisition system

Portable Offline Hydrate Inhibitor Analysis



The hydrate inhibitor monitoring tool provides an accurate analysis of current inhibitor concentration and injection rate effectiveness by analysing a produced water sample.

Environmental Impact Reducing chemical waste

Efficiency Model is designed specifically for inhibitor effectiveness

Immediate results Analysis outputs on average 10min after sampling

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