

# OMMICA™

## MEASURING THERMODYNAMIC HYDRATE INHIBITOR CONCENTRATIONS IN PRODUCED FLUIDS

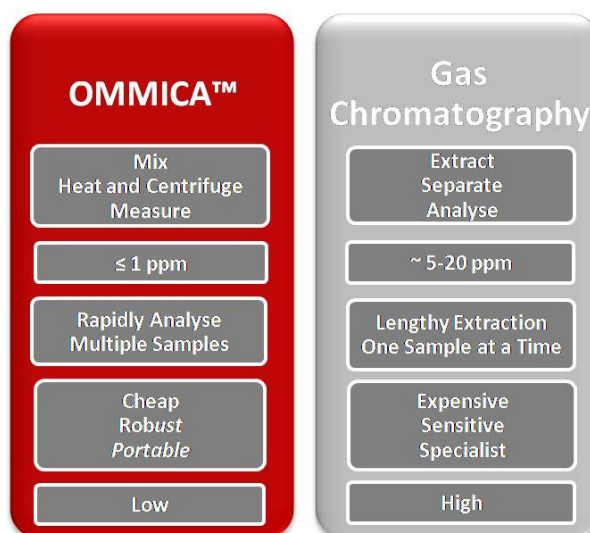
Monitoring the concentration of hydrate inhibitors in produced fluids is important. The presence of inhibitors, such as methanol and monoethylene glycol (MEG), can cause problems at various stages of recovery, processing and refining, resulting in the flaring of off-specification production and damage to refinery waste water treatment systems.

OMMICA™ is a novel technology, developed by LUX Assure, for measuring the concentrations of thermodynamic hydrate inhibitors, such as methanol and MEG, in produced water and crude oil. Quickly and accurately determining inhibitor levels in produced fluids allows **greater control** of dosing regimes, ensures **efficient chemical usage** and **decreases** the number of costly interventions.

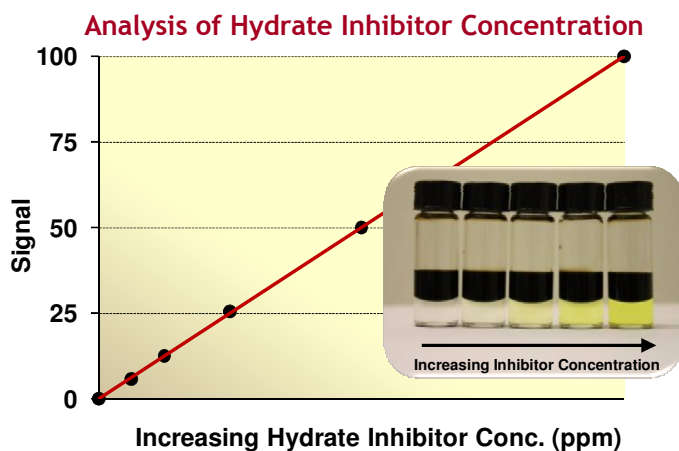
### Principle of the Technology

OMMICA™ uses reagents which react specifically with methanol or MEG; this means other treatment chemicals, such as scale and corrosion inhibitors, do not cause interference.

The concentration of inhibitor present is proportional to the signal generated from these specific interactions and is measured spectroscopically.



Current analytical methods, such as gas chromatography (GC), exist, but have several drawbacks which OMMICA™ successfully overcomes.



### Key Features of OMMICA™

- **Simple** – straightforward colourimetric assay
- **Sensitive** – low limit of detection
- **Specific** – reagents only detect methanol or MEG
- **Suitable for On-Site use** – does not require expert users or complicated equipment