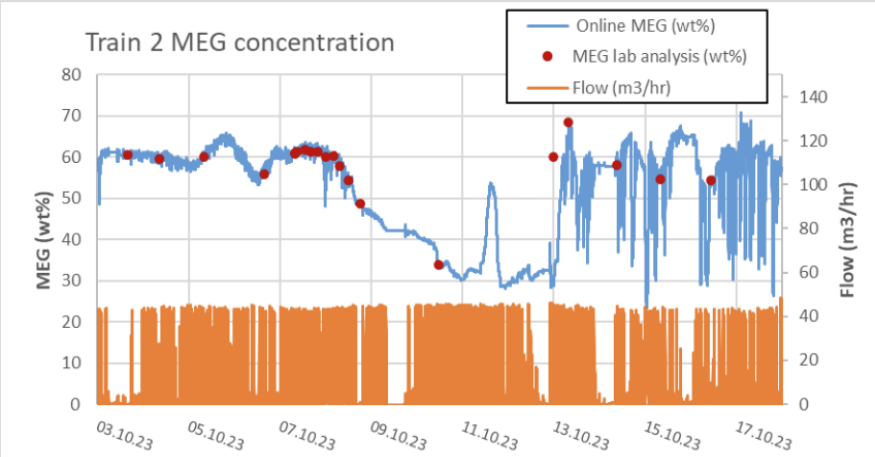
Real-Time MEG Purity Measurement
Cuts MEG Dosage by 9%



Plot of accuracy of online MEG measurements compared to lab sampling

Objectives

- Measure return-stream MEG purity in real time to replace conservative lab-based estimates.
- Prevent hydrate formation while avoiding costly overdosing of MEG.
- Optimize MEG regeneration and re-injection by accurately tracking purity changes in the reclamation and regeneration systems to the re-injection dosing pumps at surface.
- Reduce chemical spend and operational risk through continuous, online MEG purity monitoring.

Our Approach

- Weatherford deployed Red Eye® Hydrate Guard to deliver real-time MEG purity monitoring with +/-2% accuracy for projects in the North Sea and offshore Australia.

Value to Customer

- Reduced MEG dosing volume by up to 9%.
- Eliminated the expensive and cumbersome requirement for lab sampling.
- Enabled the automation of MEG dosing pumps for re-injection.
- Led to improved management of MEG Regeneration system (loading, salt, and impurities removal interval, etc.).

LOCATION
North Sea

FIELD
Aasgard

WELL TYPE
Subsea Gas

PRODUCTS/SERVICES
Red Eye® Hydrate Guard

Weatherford®