

Multiphase sampling for production optimisation



Multiphase sampling solutions

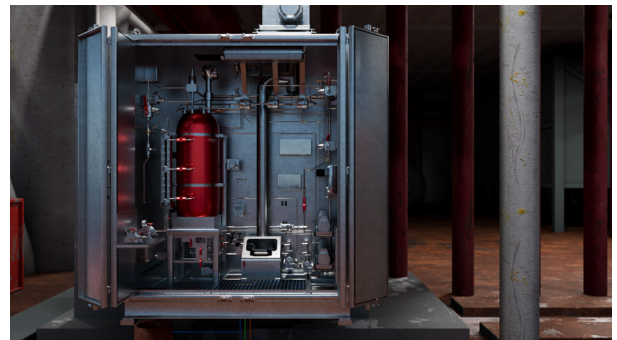
High quality representative samples are required to help understand the production chemistry of a well. This aids MPFM calibration and validation for fiscal measurement, assists well and reservoir monitoring and production optimisation, and provides crucial data for flow assurance and integrity issues.

Traditionally, oil, gas and water samples are obtained by flowing a single well to a test separator and taking individual phase samples. These test separators are large, costly pieces of equipment. To ensure the financial viability of a development, an increasing number of operators are developing subsea tiebacks without installing test separators for routine sampling. However, infrequent sampling increases uncertainty regarding the field's chemistry and allocated value, and introduces the possibility of systematic errors.

Multiphase extraction with no loss of phase

Proven by extended live testing, Proserv's innovative, Multiphase Sampling Unit replicates a production test separator's sampling conditions providing like-for-like samples.

The Proserv MPSU offers a compact, lightweight and cost efficient alternative to routing individual wells to the bulk production test separator which can result in production losses, or when a test separator is not available for use.



Selective phase sampling from a multiphase flowline when no production test separator exists

Your solution

Continuous, repeatable multiphase sampling

FLOW ASSURANCE | MULTIPHASE METERING |
FISCAL METERING | ALLOCATION

Topside sampling system with extraction point technology

Fixed system for permanent installation or long term projects

Controlled extraction from pressurised flow line

Removes the need for a test separator for sampling

No loss of phase to the atmosphere on sample

Key benefits

Delivering samples

MAXIMISE PRODUCTION | ROUTINE SAMPLING |
PHASE SELECTIVE | REPEATABILITY

Enhance visibility of flow assurance issues, allowing for quicker intervention

Enable monitoring by providing continuous representative samples

Improve allocation with accurate samples for increased profitability

Save space and weight on a crowded platform with this small footprint solution

Take representative samples with confidence at conditions equivalent to a bulk production test separator

