

TechnipFMC's Integrated Metering

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BACKGROUND

Metering activities on oil and gas production facilities require daily interaction with different systems and interfaces such as physical meters, flow computers or virtual metering and surveillance systems. Data is often collected from those interfaces manually and processed in ad-hoc documents to generate the information required by operators, their partners and authorities. Together with operators, TechnipFMC has identified a significant potential for improvement of those workflows in terms of resource utilization, quality and overall cost.

OBJECTIVES

As a leading supplier of metering technology and services, TechnipFMC has developed an Integrated Metering service portfolio that seeks to enhance the efficiency, traceability and quality of operations related to metering equipment, calibration, verification, surveillance and back-up. This solution relies on the following key elements:

- Centralized collection of data from subsea and topside metering equipment
- Development of automated workflows
- Cloud-based access to metering equipment verification data, allowing TechnipFMC to perform routine service operations remotely without accessing the offshore technical network.
- Hybrid digital architecture offering flexibility between onshore and offshore hosting of the application.

Virtual Metering

- ▶ *Virtual Flow Metering*
- ▶ *Meter Surveillance & Backup*
- ▶ *Flow Assurance Systems*

Multiphase Metering

- ▶ *Leader in High Performance Multiphase Meters (MPM)*

Fiscal and Allocation Metering

- ▶ *Leader in measurement products for oil and gas industry*