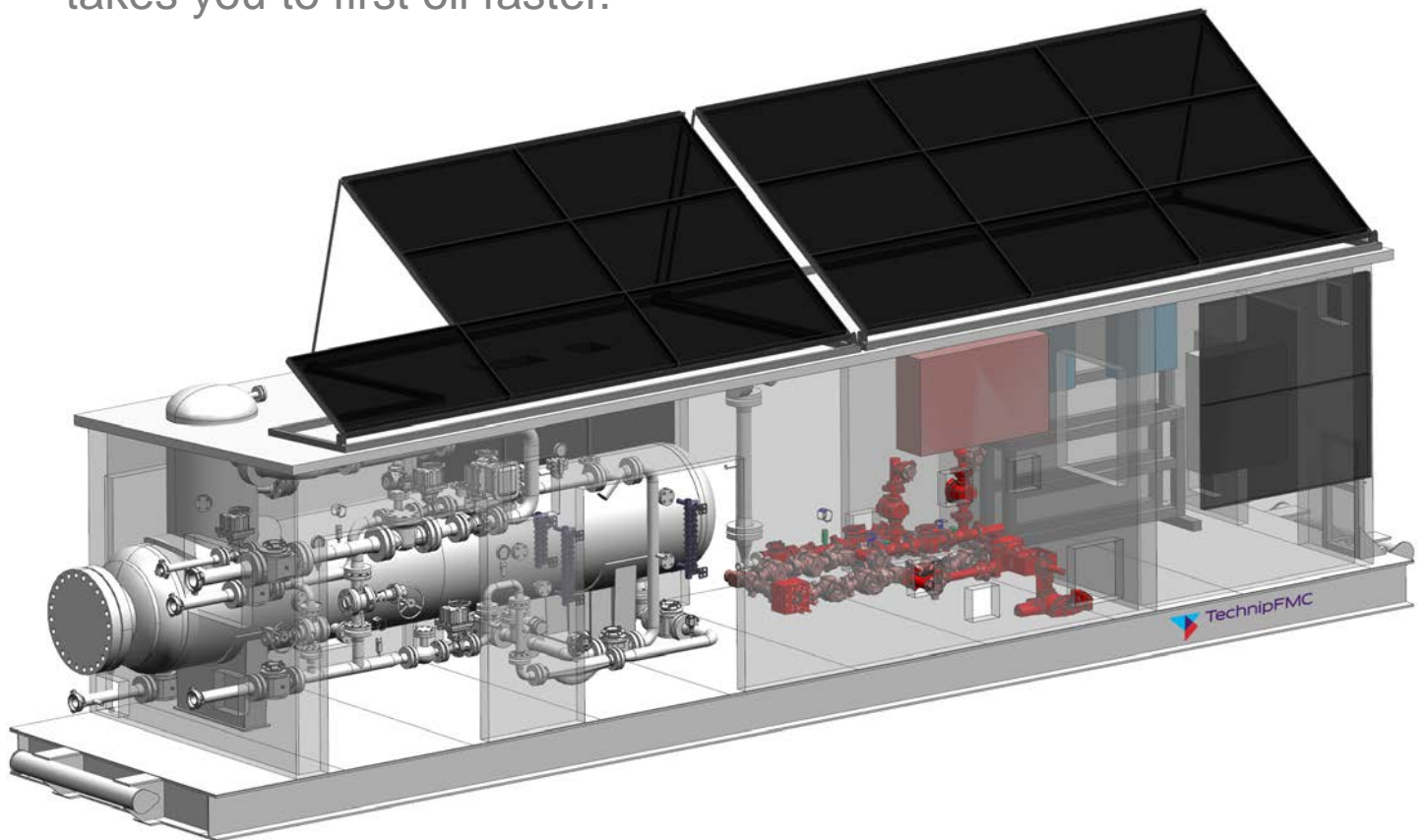


Automated Well Testing Package

TechnipFMC's Automated Well Testing Package is a safer, cost-effective solution that streamlines your operations and takes you to first oil faster.



TechnipFMC's Automated Well Testing Package provides immediate production with accurate measurement and real-time access. The Package creates an easy transition from drill-out to initial production. Upstream separation enables immediate production. Liquid levels set through the Human Machine Interface (HMI) can be monitored onsite and remotely, allowing for rapid recognition and response to upsets and potential wellbore fluid conditions like emulsions and foaming. Pressure setpoints enable monitoring and control of gas output. Oil sampling and quality control enable monitoring of separation efficiency in real time so adjustments can be made. Well production rates are monitored using upstream metering, including flow temperature and quality. Wellhead conditions including tubing, casing and choke differential pressures are monitored wirelessly.

The use of solar power eliminates fossil fuel consumption as well as venting. Whereas conventional flow testing vents every time a control valve is cycled.

The Automated Well Testing Package is quickly deployed, delivers high quality separation allowing producers to flow directly into production and eliminates the need for temporary tank storage or truck disposal. At the same time, the Package stabilizes flow conditions for permanent production tie-ins.

Technical Specifications

Choke manifold

- TechnipFMC product
- 10,000 psig, 9-valve, one positive, automated chokes

Separator

- TechnipFMC design including Separation Systems Internals
- Class 600, 1,440 psig, NACE, -20°F MDMT
- 100% closed loop, zero emissions
- 10,000 BPD liquid capacity
- 4 Phase including sand level detection

Skid

- Tail roll skid, building enclosure will be added – non-permitted load
- Footprint: 8.5' wide x 40' long

Measurement

- Promass Meters (Coriolis)
- Custody transfer quality separation and measurement

Complete system

- Guided-Wave radar level controls
- 24 VDC solar/battery powered, no fuel gas or diesel required
- Remote monitoring and data includes pressures, temperatures, flow rates, densities, levels
- InsiteX remote monitoring web portal, automated flowback reports

Benefits and Features

Reduced costs

- Reduced power requirement
- Less erosion and maintenance
- Reduced safety exposure
- Reduced transportation costs
- Rig-up / rig-down efficiencies

Automation

- Fully automated package including DeSander level detection
- Emergency Shutdown Device (ESD)
- Remote troubleshooting
- Real-time data
- Live readings – all process variables, valve positions, oil sampling averaging
- API and AGA flow calculations

Real-time trending

- Remote data access capabilities
- History well test logging

Rig-in

- Modular design
- Fewer connections
- Reduced trucking
- Cleaner location
- Reduced safety exposure

Corporate

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