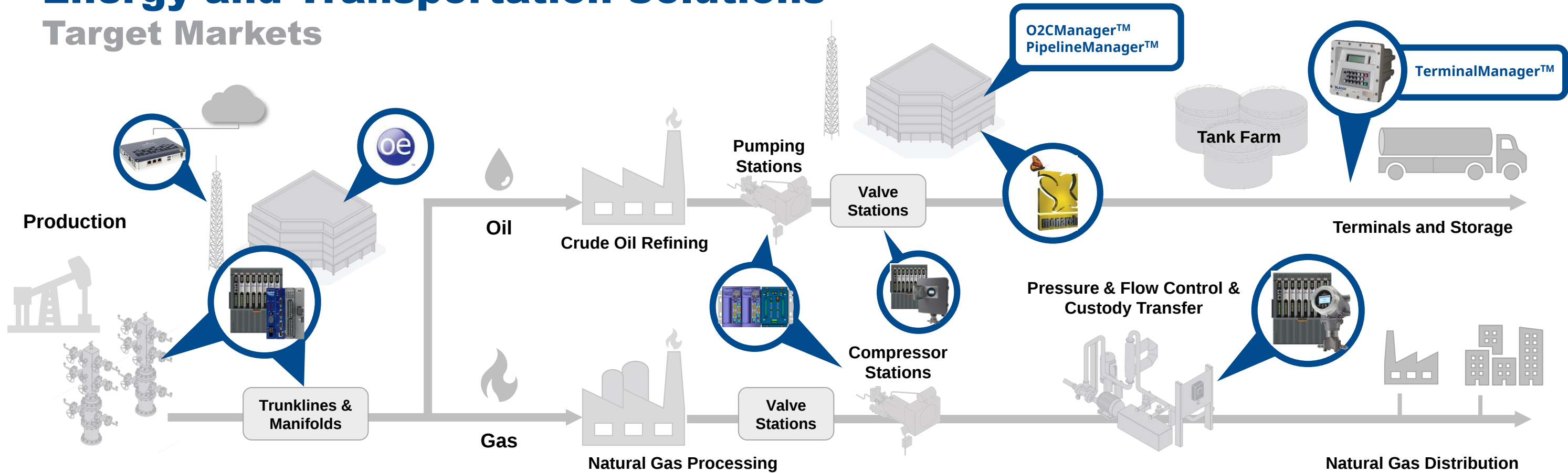




Energy and Transportation Solutions

Energy and Transportation Solutions

Target Markets



Wellhead

- Wellhead & surface facility automation
- Allocation & custody transfer
- SCADA and production optimization applications

Pipeline

- Fiscal & custody transfer
- Compressor automation, pressure regulation, flow control
- Pipeline automation (SCADA)
- Integrity and leak detection
- Commercial management

Terminal

- Fiscal & custody transfer
- Tank and unit level automation
- Terminal automation
- Enterprise terminal management
- Commercial management

Energy and Transportation Solutions

Product Portfolio

Business Planning and Logistics	AspenTech OSI monarch SCADA™  O2CManager™ Software SchedulingManager™ Software							
Manufacturing Operations Management	PipelineStudio™ Software PipelineManager™ Software IntegrityManager™ Software TerminalManager™ Software							
Automation	OpenEnterprise™ SCADA System DeltaV FBxEdge™ Software Platform  DeltaV FB3000 RTU  FB1000 & FB2000 Series Flow Computers  ControlWave RTU's  ROC800-Series Controllers  FloBoss FB107/107E Flow Computers  FloBoss S600+ Flow Computer  DL8000 Preset  DeltaV FBxEdge Gateway							
Field Functions								

Energy Logistics Software

Operations Management Software



PipelineManager™ Software for Gas & Liquids Pipelines

Applications for Real-Time Transient Modeling (RTTM),
Leak Detection, Rupture Detection, Optimization,
Batch Tracking, Forecasting & Training

PipelineStudio™ Software for Gas & Liquids Pipelines

Application for Pipeline Network Modeling

IntegrityManager™ Software for Gas & Liquids Pipelines

Applications for Modeling, HCAs & Risk Analysis

TerminalManager™ Software

Application for Staffed and Unstaffed
Tank Storage Facilities

Scheduling Management Software



SchedulingManager™ Software for Liquids Pipelines

Applications for Pipeline Scheduling & Pipeline Network
Management

SchedulingManager™ Software for Liquids Terminals

Applications for Terminals and Inventory Scheduling

Order-to-Cash (O2C) Management Software



O2CManager™ Software for Gas Pipelines

Applications for Gas Transmission and Distribution & Gas
Shippers and Merchants

O2CManager™ Software for Liquids Pipelines

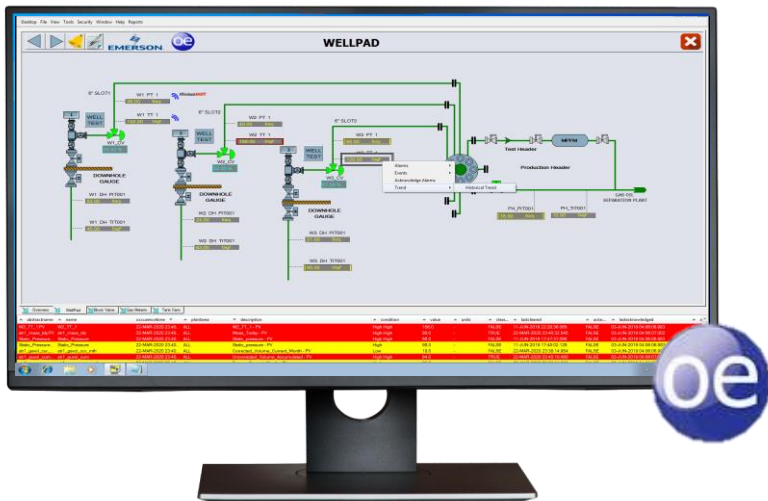
Application for Hydrocarbon Liquids Pipelines

O2CManager™ Software for Liquids Terminals

Applications for Land-Locked and Marine Terminals

SCADA Systems

OpenEnterprise™



Traditional on-premise SCADA Software

High availability on prem
Data within company firewall
Control for critical infrastructure

monarch™



Enterprise-level OT Platform

Highly scalable, flexible architecture
Enterprise / country-wide gas, liquid &
water applications in a common platform

FBxEdge Software Platform

An open-source, out-of-the-box IoT solution that enables energy operations across the value chain to embrace digital transformation.



Connectivity

Emerson
Devices

Non-Emerson
Devices

MQTT & Cloud
Drivers



Compute

No-Code
Analytics

Docker

Node-RED



Convenience

Web-Based UI

Appliance
Philosophy

Central
Management



Cyber-Security

Hardened O.S.

Custom User
Permissions

Encrypted
Comms

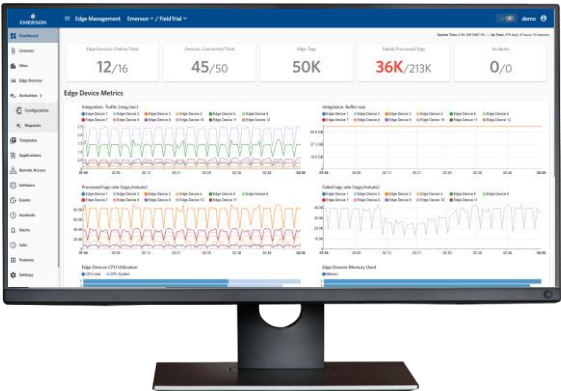
FBxEdge

Process and analyze data at the edge before sending to the cloud using pre-built analytic workflows



FBxEdge Manager

Software for central management of edge devices



RTU's and Flow Computers

FB Series Platform

Future ready, integrated automation platform supporting Digital Transformation in Oil & Gas

- FB1000 & F2000 Field mount flow computers
- FB3000 RTU



ControlWave Series

RTU's that maximizes performance with a design emphasis on low power consumption, scalability, and modularity

- ControlWave PAC RTU
- ControlWave Micro RTU



ROC and FloBoss

RTU's and Flow Computers simplifying programming and configuration through built-in applications

- ROC800 field mount RTU / Flow Computer
- FB107 field mount RTU / Flow Computer
- S600+ Flow Computer

