Oil&Gas Project

The Oil&Gas Project takes the lead in driving requirements and use cases for EdgeX applicability in the Oil&Gas Industry

Key Project Facts

Project Approval Date: November 30, 2017

Project Maintainer: Alberto Dellabianca, National Oilwell Varco

Organizations Involved: National Oilwell Varco, Pioneer Energy, Schlumberger

Project Information

The main target of the project is to make sure the EdgeX Foundry platform can serve IIoT needs of the Oil&Gas industry.

This target is achieved pursuing the following activities:

1. Perform gap analysis and deliver specific market requirements to other Working Groups
   - Prioritize additional Device Services or suggest improvements to existing ones
   - Specific requirements on Support Services
   - Specific requirements for System Management and Security
   - Specific requirements on Export Services
   - Specific requirements on Core Services

2. Create Reference Architecture for specific use cases
   - Single Asset (Standalone Equipment, Well Intervention Unit, Artificial Lift System)
   - On-Shore Facility (Land Rig / Production Facility)
   - Off-Shore Facility (Offshore Rig / Offshore Production Facility)

3. Develop unique source code
   - Export Service to OSIsoft PI
   - Export Service to InfluxDB

4. Liaison with appropriate SDOs and Consortia
   - Society of Petroleum Engineers
   - Universities

Community Committers

- Name, email - Project Lead

Community Contributors

Please add your name here if you have made contributions

- Name, email -