PARIFEX has great references in the Oil & Gas, LNG and Industry fields, thanks to its expertise in Electrical, Instrumentation & Control System concept engineering and design.

PARIFEX services:
- Project Management & Development
- Engineering
- Construction Follow-up
- Commissioning & Start-up assistance
- Maintenance
- Training

PARIFEX activities in Oil & Gas:
- ICSS and OCWR, FCW Control narrative design
- Database Management
- PLC Revamping
- Package Interface
- FAT
GAS TREATING PROJECT
Bid Boland II Project (2016/2017) - Iran

Persian gulf Bid Boland Gas Treating Project to produce:

- Lean Gas for domestic use
- Acid Gas for injection to oil fields
- Ethane for petrochemical plants
- Propane for export
- Butane for export

PARIFEX activities consists of all System Engineering design and the supply of the ICSS (21,000 I/O)

- Project Management
- System Engineering
- Database Management
- Process Control Narratives
- Packages Interface
- ESD CN.
- FGS Matrix
- HMI Design
SYSTEM ENGINEERING
FPSO PROJECTS
KAOMBO FPSO Project (2016)

- Advanced Control & Integration System based on ACONIS System (HHI)
- Detailed Engineering
MOHO Nord Project (2014/2015)

- TLP Platform / FPU Hull & Topsides
- Process Functional Analyses (F.A.)
- Packages Interface F.A.
- ESD F.A.
- FGS F.A.
- HMI Design (Displays on Yokogawa Software)
- S4I 3G Database Management
- OCWR F.A.
- FCW F.A.
- FAT participation
ICHTHYS CPF Platform (2013/2015)

- Process Functional Analyses (F.A.)
- Packages Interface F.A.
- ESD F.A.
- FGS F.A.
- FAT participation
- Commissioning participation
Q204 FPSO (2012/2013)

The FPSO will be able to produce 130,000 barrels of oil and 2.2 million cubic meters of gas per day. The unit will have storage for 1.06 million barrels of oil and will measure 270 meters long and 52 meters wide.

- Hull Control Narratives (C.N.)
- Topsides Packages Interface C.N.
- FAT Participation (Emerson Singapore)
CLOV FPSO (2012-2014)

- Hull Functional Analyses
- Topsides Functional Analyses
- Packages Interface Functional Analyses
- FAT Participation (Emerson Singapore)
- Start up
EHRA FPSO

Control Narrative modification of:

- Existing process Functional Analyses
- Related safety documents
- ESD Functional Analyses
- Existing Intools Database
- Editing of additional loop drawings
USAN FPSO

- Process Control Functional Analyses
- ESD F.A.
- FGS F.A.
- HIPPS Logic Solver F.A.
- Packages Interface Functional Analyses
- FAT Participation
- OCWR Functional Analyses
- Start-up
AUTOMATION & REVAMPING PROJECTS
Projects in Angola:

**FSO PALANCA:**
- PLC Revamping: specification, detail engineering, configuration, test and start-up

**PALP1:**
- Process Control System and Hydro-cyclone PLC revamping: functional analysis, programming, configuration, internal tests and FATs, installation

**PACF4:**
- Detail engineering, configuration PLC program modification, tests on site

**PACF1:**
- System Hardware Revamping

**PALP2:**
- Supervisory System and Filtration Package Revamping: FA, PLC replacement, integration, FAT

**IPSF1:**
- ICSS Revamping, PC Vue maintenance

**PALF2:**
- Regard1000 Revamping, replaced by PcVue

**PACASSA:**
- PLC/DCS pre studies
Projects in Angola:

**PACF3:**
✓ Survey, System Hardware Revamping

**BLOC3:**
✓ Survey, loop diagram clarification

**COBP1:**
✓ System Revamping

**COBF1:**
✓ System Revamping

**PAMF1:**
✓ System Revamping

**DALIA:**
✓ Functional Design participation
Projects in Nigeria:

**AKPO:**
- ✓ Functional Analyses design and ICSS Development leader

**AMENAM:**
- ✓ Construction supervision

**AKOGEP:**
- ✓ Participation as Instrumentation Lead

Projects in Gabon:

**GRONDIN:**
- ✓ ICSS functional analyses for system revamping: Reverse Engineering, Functional Analysis for Process Control & Process Shut-down, F&G and
DATABASE MANAGEMENT PROJECTS
TOTAL E&P Congo:
- Moho Nord S4I 3G Database Management

TOTAL E&P Borneo:
- AVEVA Database Management

TOTAL Angola – Girassol/Rosa:
- Database Management & conversion S4I 2G / AVEVA

TOTAL E&P France (Lacq):
- Database definition & configuration, Internal tests and FAT, Installation & start-up on site

TOTAL Gabon – Grondin:
- S4I Revamping Project

TOTAL Nigeria - AMENAM AMP 1 & 2:
- Instrumentation S4I Details

TECHNIP & TSU:
- SPI Technical Assistance