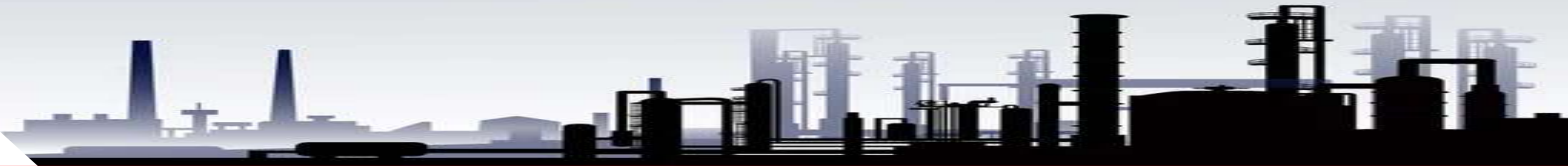




TECHNICAL & OPERATIONAL SERVICES FOR OIL REFINERIES

September 2025



Índex





Executive Summary

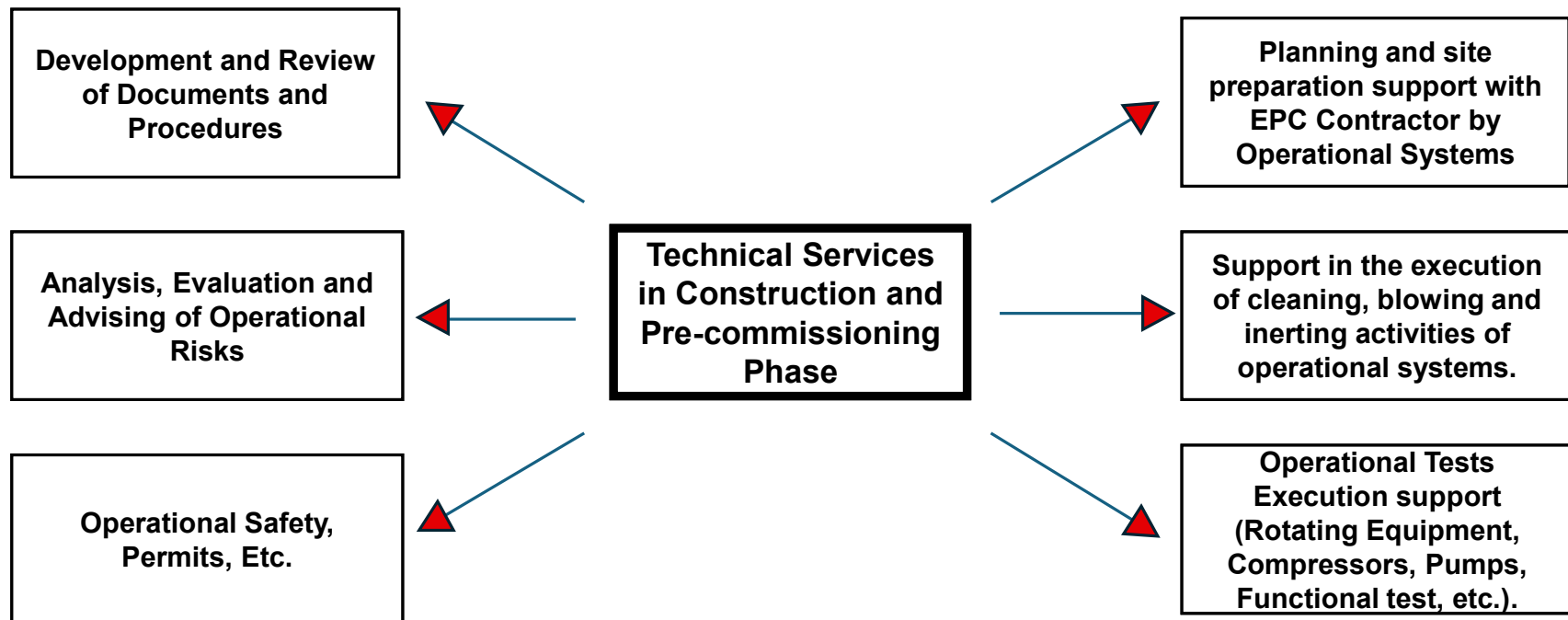
OIL PROJECTS USA is a company that offers Technical & Operational Services in the Oil and Gas sector with extensive experience in Oil Refineries and Petrochemical, Pipeline Infrastructures, Gas Compression Plants,, among others.

Initially founded in Venezuela in 2005 as a company performing technical & operational services originally for Oil Refineries, it was until 2011 when it established its corporate offices in the city of Houston Texas USA.

We are a company oriented to provide planning, documentation development, pre-commissioning support, commissioning execution, start-up, operation, operational excellence services of Oil Refineries and Gas Facilities. With our team of professionals with more than 30 years of experience in the mentioned sectors has allowed us to participate in different projects worldwide, with a focus on safety, quality and operational efficiency, leading us to position ourselves as a company with a solid track record.



Service Capabilities in Oil Refineries



Service Capabilities in Oil Refineries

Commissioning and Start-up Technical Support Services

Plans and Procedures

- Implementation of commissioning plan by operational system
- Preparation of the general start-up plan
- Preparation of detailed operational procedures

Commissioning and Start-up Execution

- Commissioning execution by operational system
- Execution of Instrumentation Mechanical and electrical system tests
- Execution of DCS and functional system tests
- Startup the Process Units

Technical Review & Support

- Review of DCS (Distributed Control System) schematics
- Support in the troubleshooting of operational problems that appear during start-up.



Service Capabilities in Oil Refineries

SERVICES FOR TECHNICAL SUPPORT IN THE PHASE OF WARRANTY & QUALITY TESTING, OPERATION AND MAINTENANCE:

P

PREPARATION & PLANNING:

- Planning of warranty tests.
- Preparation of protocols for testing.
- Preparation of the operational monitoring plan.

O

OPERATIONAL SUPPORT AND SERVICES:

- Support in stabilization of operations.
- Establishment of products quality control
- Warranty test planning and execution
- Operational outsourcing services.

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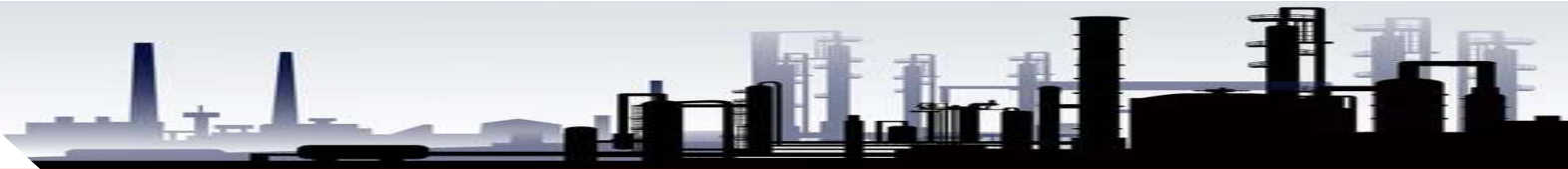
ORGANIZATIONAL STRUCTURE AND SYSTEMS:

- Define and establish the organizational structure of the operation.
- Establish and manage the preventive/predictive maintenance plan.
- Define the model for corrective maintenance.
- Establish the platform for maintenance execution (Meridian, SAP).
- Define and establish the management and information control system.

T

TRAINING AND SAFETY:

- Training of operations and maintenance staff personnel.
- Define and establish the EHS (Environment, Health & Safety organization).



Service Capabilities in Oil Refineries

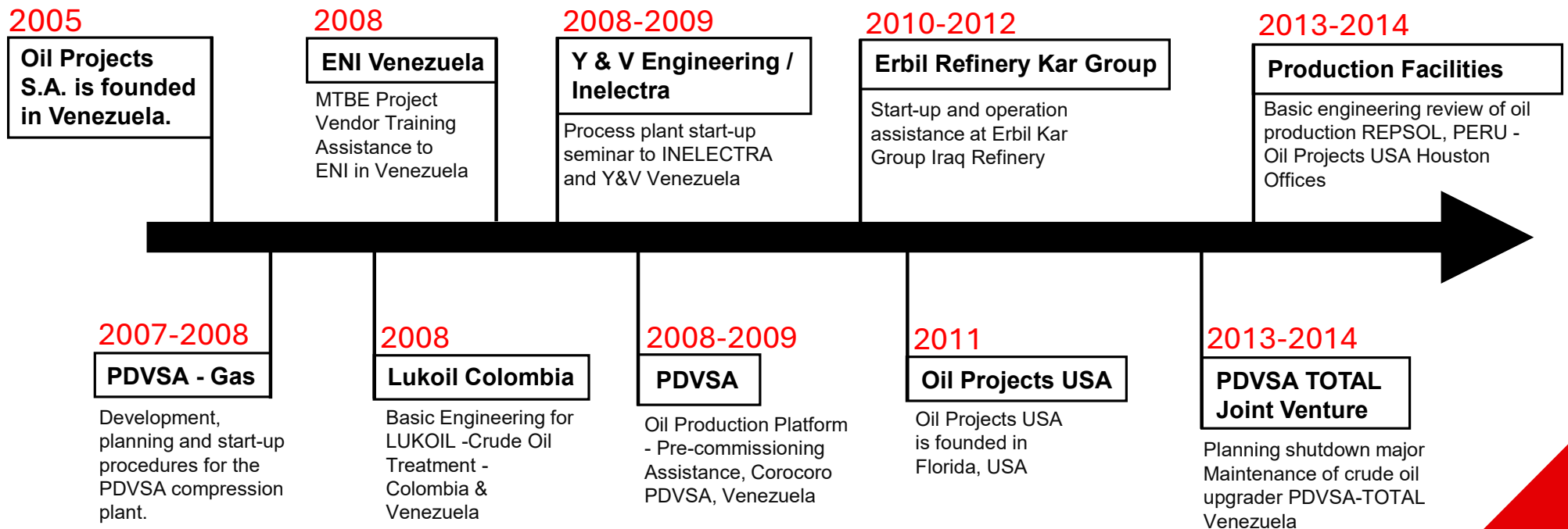
TECHNICAL SUPPORT SERVICES IN TRAINING PHASE OF TECHNICAL PERSONNEL:

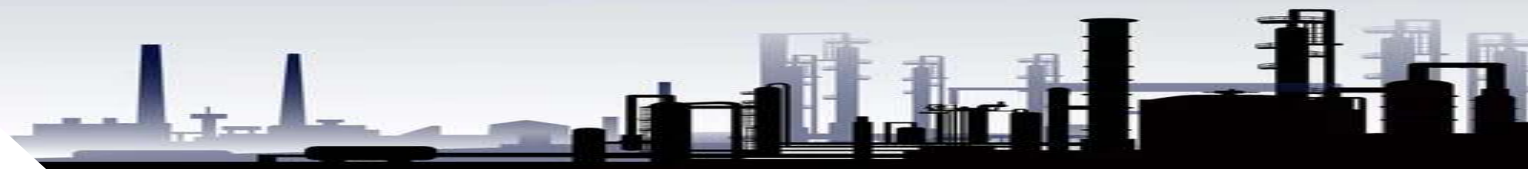
**DEVELOPMENT OF SPECIFIC TRAINING
MODULES IN THE NEW FACILITIES**

**IMPLEMENTATION OF TRAINING AND
CERTIFICATION OF OPERATIONAL AND
MAINTENANCE TECHNICIANS**

**COMPETENCY EVALUATION OF TECHNICAL
STAFF AND ESTABLISHMENT OF CAREER
DEVELOPMENT PLAN**

Oil Projects USA Experiences





Oil Projects USA Experiences

2015

Petrotiger Engineering Venezuela – Minatitlan Refinery Mexico

FCC Revamp Lázaro Cárdenas Refinery, Mexico.
(Planning, Start-up & Procedures)
Petrotiger Engineering

2017 - 2018

Azikel Group Nigeria

Azikel Refinery,
Nigeria
Basic Engineering
Review in Houston,
USA

2018

Gulf Interstate Engineering Houston

Expansion of the Las Malvinas
compression plant, Peru.
Review of
Engineering

2018 - 2019

TransCanada

Texas - Tuxpan Gas
Compression Plant
(Pre-Commissioning,
Commissioning, & Start-up,
TransCanada, Mexico)

2015 - 2016

AOT Joint Venture Mexico

Ramones II Gas
Pipeline and
Compression Plants
Northern Phase (Pre-
Commissioning,
Commissioning, and
Start-up, Procedures)
AOT Mexico

2016

ICA Fluor Mexico

Pre-commissioning,
Commissioning and
Start-up, procedures -
Ramones II Southern
Section Gas Pipeline
and Compression Plant

2018 - 2019

EcoPetro Colombia (Joint Venture Oil Projects – PetroSkills)

Cartagena Refinery, Colombia.
Development of Competency
Maps. Operators' competency
vaorization and troubleshooting

2020 - 2024

PetroPeru (Consortio ODI / Joint Venture Oil Projects USA – Dominion Global – ICG Colombia)

Talara Refinery, Peru.
Operational Assistance in Pre-
Commissioning, Commissioning,
Start-up and Operation



Oil Projects USA Strengths

➤ Experience and Specialized Technical Knowledge

- ✓ Experience in Complex Projects: The ability to manage and execute large-scale projects in highly technical sectors, such as refineries and gas pipelines, is a key advantage. The accumulated experience allows the company to anticipate problems and offer efficient solutions.
- ✓ Specialized Knowledge: Technical training in engineering, industrial processes and safety regulations is crucial. This translates into a highly qualified and reliable service.
- ✓ Assignment of qualified personnel: Assignment of qualified personnel with experience in both project management and field activities, for each of the engineering disciplines and with highly experienced technicians.

➤ Comprehensive Management Capacity

- ✓ From Design to Execution: A company capable of participating and supporting all phases, from design and planning to start-up and ongoing operation of the facilities, can offer a complete and integrated package of services.
- ✓ Operations Optimization: The ability to optimize facility performance, maximize resource efficiency and reduce downtime gives us a competitive advantage.
- ✓ Use of appropriate tools: It is a company that bases its service on methodologies and work tools already proven as necessary and effective, included in international standards,



Oil Projects USA Strengths

➤ Compliance with Regulations and Safety

- ✓ Compliance with International Standards: The ability to comply with international safety, health, environmental and quality regulations is our policy and is essential, especially in sectors with a high level of risk, such as oil and gas.
- ✓ Operational Safety: The company has strict protocols to protect the health and safety of employees, as well as the protection of the environment, which helps reduce risks and improve the confidence of our customers.

➤ Economic competitiveness:

- ✓ Competitive rates: We offer competitive rates while maintaining the highest quality of service.
- ✓ Local staff: We maximize the participation of local staff with the aim of reducing costs for the Client.



Services Performed in Similar Work

Talara Refinery revamp project:

Standard Operational Procedures (SOP) development and review:

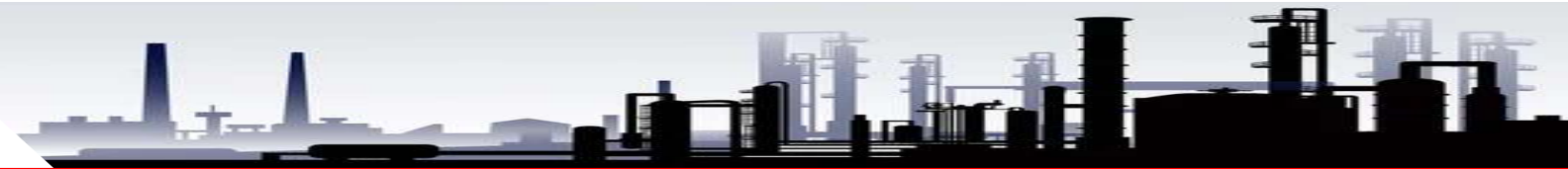
- A total of 1,300 procedures were developed and reviewed.- The procedures developed included: Initial start-up and normal shutdown of process units, Emergency shutdowns, Start-up and shutdown of main equipment: such as furnaces, pumps, compressors, etc.
- The process units involved were the following: Atmospheric and vacuum distillation, Caustic treatment of kerosene, Naphtha hydrotreatment, Catalytic reforming, Diesel hydrotreatment, FCC, Flexicoker, Amine Treatment Unit, Utilities and storage facilities.

Technical and operational assistance for the operation of the units of the future Talara Refinery.

- Prepare and monitor work permits / Provide advice to PETROPERÚ S.A. personnel to improve, optimize, or update operating documents / Conduct tours of the facilities of the future Talara Refinery units to identify the infrastructure involved / Visit the field work area, accompanied by Petroperu S.A. personnel assigned to the respective unit, to verify the proper operation of the equipment. / Provide technical and operational support to PETROPERU S.A. personnel in handling emergency situations and supporting firefighters who are part of the fire brigade. / Assist in the development, scheduling and evaluation of emergency drills for unit startups and shutdowns. / Provide technical and operational support to PETROPERU S.A. personnel in process control, performing continuous monitoring of field and panel operating conditions and parameters./ Analyze unit performance and provide recommendations to PETROPERÚ S.A. personnel.

Talara Refinery Revamp Project





Services Performed in Similar Work

Cartagena Refinery revamp project:

Competency process units map for Operation Technicians

- Approximately 50 competency maps were developed for all Oil Refinery process units, utility systems and offsite areas.
- The process units involved were the following: Atmospheric and vacuum Distillation, Delayed Coker, Naphtha hydrotreatment, Catalytic reforming, Diesel hydrotreatment, FCC, Alkylation, Hydrocracking, Amine Treatment Unit, Sour Water Stripping Unit, Utilities and storage facilities.

Coaching for Operations Technicians to competency gap closure.

- Approximately 50 competency maps were developed for all process units, utility systems, and offsite areas. Twenty-four operational problem cases were included in the Diesel Hydrocracking, Delayed Coker, and Alkylation units. Eight operators were mentored for each process unit.
- A guidance guide was applied, including the standard operational procedure development, the use of statistical process control and root cause analysis techniques.

Cartagena Refinery Revamp Project





Services Performed in Similar Work

Erbil Refinery revamp project:

Precommissioning, Commissioning and Startup

- Approximately 50 competency maps were developed for all Oil Refinery process units, utility systems and offsite areas.
- The process units involved were the following: Atmospheric Distillation, Naphtha hydrotreatment, Catalytic reforming, Isomerization, Utilities and storage facilities.

Outsourcing operational and Maintenance Leadership.

- The refinery operated for a period of two years.
- The first general maintenance turnaround was planned and its execution was supported.

Erbil Refinery Revamp Project



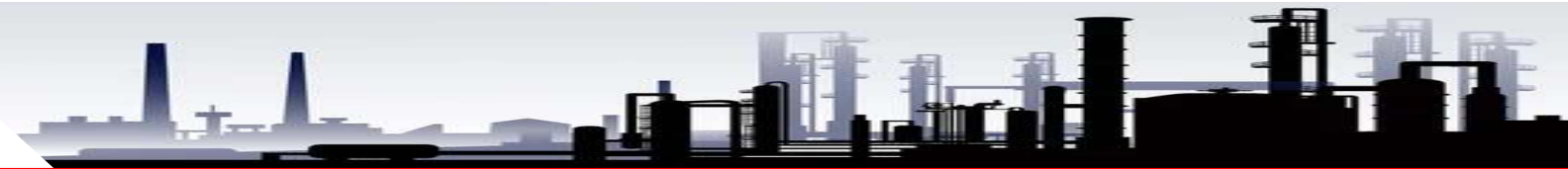


Services Performed in Similar Work

Ramones II Gas Pipeline Project – Northern Section:

Pre-Commissioning / Mechanical Completion:

- Systems and sub-systems (EDA or WBS) were established, and the scope of the construction was changed from Spread to systems.
- Hierarchization of systems.
- Commissioning and Start-up planning was elaborated.
- Elaborated the list of detailed operational procedures and distribution in the work team.
- Pipeline cleaning procedures were reviewed.
- Recommendations for the use of cleaning tools.
- The gas pipeline and compression plants were inspected, and a photographic report was prepared by discipline, considering items A, B, C.
- A procedure for purging and packing the pipeline by section was prepared.
- A list of resources for the Commissioning was prepared.
- Guidance was given to the organizations supporting the Commissioning.
- Actions were coordinated with the upstream and downstream operating company.



Services Performed in Similar Works

Ramones II Gas Pipeline Project – Northern Section:

Commissioning / Initial Start-Up / Operations:

- Coordination of field activities: N2 purge and natural gas displacement of the pipeline.
- Support to the operation and custody of the pipeline and valve stations.
- Preparation of the EDA of the two (2) compression plants.
- Coordination of the inspections of each discipline in the two (2) compression plants and in the operational start-up activities.
- Use of the PSSR philosophy to initiate commissioning.
- Review of functional tests and tie-in tests at the compression plants.
- Coordination and execution of commissioning activities for each of the two (2) compression plant systems.
- Coordination of the warranty tests of the Turbo compressors in the two (2) compression plants.



Services Performed in Similar Works

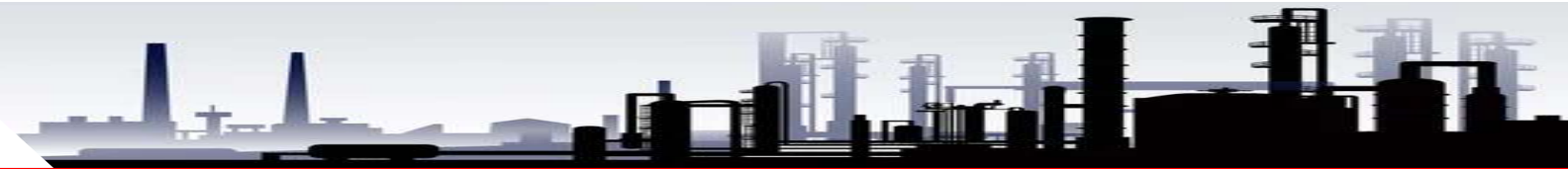
Ramones II Gas Pipeline Project – Southern Section:

Pre-Commissioning / Mechanical Completion:

- Preparation of a list of detailed operational procedures.
- Inspection of gas pipeline/compressor plants (Report items A, B, C)
- Preparation of the pipeline purge and packaging procedure per section.
- Preparation of incident reports to determine causes.
- Support the Construction Company in blowing systems with air and drying with nitrogen.

Commissioning/Start-up:

- Coordination and execution of the gas pipeline purge/packaging.
- Support for the initial operation of gas dispatch systems.
- Support for the initial operation of metering/filtration stations.



Services Performed in Similar Works

Altamira Compression Plant:

Mechanical Discipline Activities:

- Valve Commissioning/Oiling Testing
- Inspection of all plant valves and Punch List report
- Pipe Supports Commissioning
- Valve tightness testing
- Support to the Compressor Vendor (Assembly of mechanical seals, turbine-compressor alignment, assembly of accessories, etc.)

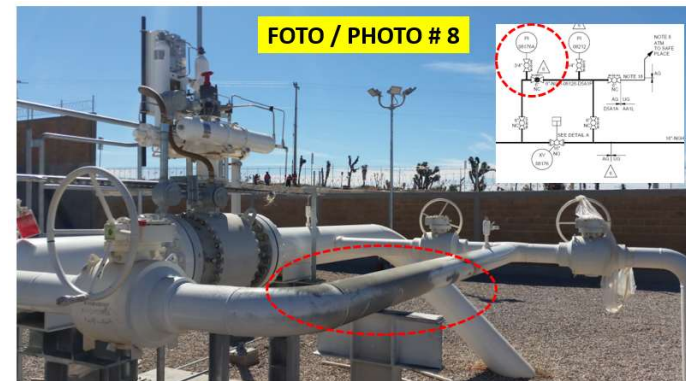
Electrical Discipline Activities:

- UPS/DC System Testing and Start-Up
- Motor Functional Testing
- Commissioning of panels 480 V / 220 V / 120 V
- Stamped and merging of power cable

Instrumentation Discipline Activities:

- Check control loops in Turbo Compressors
- Instrument Functionality Check
- Tests associated with PLC functionality

Los Ramones II Gas Pipeline - North / Compression Plant



Los Ramones II Gas Pipeline – South / Compression Plant



Altamira Compression Plant





Questions & Answers

