



# OIL PROJECTS USA



# Content

---

- ABOUT US
- MISSION / VISION / VALUES
- EXPERIENCE SECTORS
- SERVICES
  - ENGINEERING SUPPORT
  - CONSTRUCTION SUPPORT
  - PRE-COMMISSIONING SUPPORT
  - PRESERVATION SUPPORT
  - MECHANICAL COMPLETION
  - COMMISSIONING
  - START-UP
  - OPERATION
  - TRAINING
  - MAINTENANCE SUPPORT
  - TECHNICAL – OPERATIONAL AUDITS
  - RECOVERY OF OIL-CONTAMINATED SLUDGE
- PROJECTS EXECUTED
- CLIENTS



# About us

OIL PROJECTS USA IS A SERVICE COMPANY SPECIALIZED IN OIL & GAS SECTOR, WITH A WIDE EXPERIENCE IN OIL REFINERIES.

THE FIRST COMPANY OIL PROJECTS S.A. WAS FOUNDED IN 2005 AT VENEZUELA, THEN THE COMPANY OIL PROJECTS USA, LLC WAS FOUNDED IN 2011 AT FLORIDA USA, AND THEN AT 2014 WAS ESTABLISHED THE HEADQUARTER AT HOUSTON – TEXAS, USA.

AT 2016 WAS OPENED A SUBSIDIARY AT MEXICO, OP OIL & GAS MEXICO.

INITIALLY THE COMPANY WAS ORIENTED TO SUPPORT ONLY COMMISSIONING & STARTUP SERVICES, CURRENTLY IT HAS MANY KINDS OF SERVICES COVERING ALL PROJECT STAGES (FROM CONCEPTUAL ENGINEERING TO OPERATION OUTSOURCING).

THE COMPANY OPERATES AS A CONSULTING FIRM WITH AN INDEPENDENT ORGANIZATION FOR EACH SERVICE PROJECT WITH CORPORATIVE SUPPORT.





# Mission / Vision / Values

## VISION

The vision of OIL PROJECTS USA, LLC is to be recognized as a leading company in providing comprehensive, engineering, and operational solutions to our clients.

## MISSION

The mission of OIL PROJECTS USA, LLC is to provide consulting and technical assistance in EPC projects, as well as in pre-commissioning, commissioning, start-up, maintenance, and normal operations within the oil, gas, and petrochemical industries, through the application of world-class best practices with highly qualified personnel who deliver comprehensive solutions and maximize profitability and reliability for our clients while respecting the environment.

## OUR VALUES

Every action carried out with the awareness of what “ought to be,” of morality, and of what is good.



# Experience Sectors

**Oil**  
Refineries

**Crude**  
Upgraders

**Oil & Gas**  
Production

**Gas**  
Pipelines

**Gas**  
Compression Plants

**Gas**  
Treatment Plants

**Petrochemical**  
Plants

**Crude &**  
Product Movement

**Utilities &**  
Power Plants

**Offshore**  
Plaforms



# Services

## Engineering SUPPORT

### Feed:

- OPERATING PHILOSOPHY
- TESTING & PRE-COMMISSIONING PHILOSOPHY
- COMM, SHUTDOWN, STARTUP PHILOSOPHY
- P&ID REVIEW
- EMERGENCY SHUTDOWN PHILOSOPHY
- HSSE PLAN - HEALTH, SAFETY, SECURITY, EVALUATION PLAN
- HAZOP OPERATION SUPPORT



### Detailed engineering:

- OPERATION MANUAL
- HAZOP OPERATION SUPPORT
- PREPARE COMMISSIONING AND START-UP PLAN TO INTEGRATE TO MASTER PLAN
- DEFINITION OF SYSTEMS AND SUBSYSTEMS BASED ON THE START-UP SEQUENCE AND PRIORITIZATION (WBS)
- MARK P&IDS WITH THE SELECTED OPERATING SYSTEMS
- VENDOR ASSISTANCE SUPPORT PROGRAM FOR CONSTRUCTION COMMISSIONING AND START-UP
- DEFINE SPARE PARTS INVENTORY FOR CONSTRUCTION, PRE-COMMISSIONING, COMMISSIONING AND START-UP
- CONTINGENCY & EMERGENCY PLAN DEVELOPMENT



# Services

## *Construction* **SUPPORT**



- WITNESS AND ACCEPT EQUIPMENT INTERNAL INSPECTION
- WALKDOWN INSPECTION AND CATEGORY PRIORITIZATION
- CONSTRUCTION INSPECTION AND PUNCH LIST DEVELOPMENT AND CORRECTION FOLLOW UP
- LIST, VALIDATE, AND DEVELOP DETAILED OPERATING PROCEDURES (PRE-COMMISSIONING, COMMISSIONING, START-UP, NORMAL SHUTDOWN, EMERGENCY SHUTDOWNS, OUT OF SERVICE FOR MAINTENANCE FOR THE MAIN EQUIPMENT)



# Services

## *Pre-commissioning* **SUPPORT**

- WALKDOWN INSPECTION SUPPORT & PUNCH LIST DEVELOPMENT
- PUNCH LIST CLASSIFICATION AND FOLLOW UP
- SETUP TEMPORARY REQUIREMENTS FOR PRE-COMMISSIONING
- PREPARE PUNCH LISTS AND UPDATE RED LINES AS-BUILTS
- REVIEW AND APPROVAL OF READY FOR COMMISSIONING DOSSIER
- PRESERVATION OF EQUIPMENT AND PACKAGES
- PIPING AND EQUIPMENT FLUSHING, BLOWING AND CHEMICAL CLEANING SUPPORT

- CONTROL LOOP TEST SUPPORT
- CHEMICAL/CATALYST LOADING SUPPORT
- HEATERS/STEAM BOILERS REFRACTORY DRY OUT
- FUNCTIONAL TEST COORDINATION
- PRE-COMMISSIONING FIELD EXECUTION SUPPORT (INCLUDE PROCESS & UTILITIES PIPING, ELECTRICAL, INSTRUMENTATION AND MECHANICAL ISSUES)





# Services

---

## *Preservation* **SUPPORT**

- PRESERVATION PROCEDURES DEVELOPMENT
- PRESERVATION TECHNIQUES DEFINITION
- PRESERVATION SCOPE BY EQUIPMENT
- IDENTIFY AND DESCRIBE THE REQUIREMENT OF INITIAL PRESERVATION FOR EACH EQUIPMENT
- PREPARE A CHRONOLOGICAL WORK PLAN AND RECORD SHEET FOR PRESERVATION ACTIVITIES FOR EACH EQUIPMENT
- PREPARE PRESERVATION SERVICE DOSSIER BOOKS
- PERFORM INITIAL AND MAINTENANCE PRESERVATION ACTIVITIES
- PRESERVATION FOLLOW UP AND MONITORING INSPECTIONS
- RESTORE THE EQUIPMENT TO ITS INITIAL OPERATION CONDITION
- CONDUCT FINAL INSPECTION OF THE EQUIPMENT WITH THE CLIENT



# Services

## *Mechanical* **COMPLETION**



- IMPLEMENT PRE-STARTUP SAFETY REVIEW (AUDIT-PSSR)
- FINAL CONSTRUCTION DOSSIER REVIEW AND APPROVAL
- RED LINE AS BUILD DRAWING REVIEW AND APPROVAL
- PIPING, EQUIPMENT AND AUXILIARY SYSTEMS IDENTIFICATION FIELD REVIEW AND APPROVAL
- TRANSFER OF CARE, CONTROL AND CUSTODY
- PROCESS UNIT HAND OVER CERTIFICATE APPROVAL
- HAND OVER SYSTEM TO COMMISSIONING

## *COMMISSIONING*

- COMMISSIONING PLAN UPGRADE
- EXECUTE COMMISSIONING ACTIVITIES IN ACCORDANCE WITH PROCEDURE INCLUDING
- PERMIT TO WORK SUPPORT
- EMERGENCY SHUTDOWN TESTING (ESD TESTING)
- ASSIST WITH STARTUP AND HANDOVER OF UTILITY NON-HYDROCARBON SYSTEMS
- PLAN AND VALVE LINE-UP
- AIR AND NITROGEN PRESSURE/LEAK TEST
- DIRECT INERT SYSTEMS AND NITROGEN BLANKET
- DRY OUT OF PLANT
- CAUSE AND EFFECT CHECKS
- OPERATIONAL SYSTEMS FUNCTIONAL TEST
- TRANSFER PRESERVATION AND MAINTENANCE ACTIVITIES FROM PROJECT TO OPERATION.
- LOAD HYDROCARBONS FILL
- COLD AND HOT OPERATIONAL SYSTEMS RECIRCULATION
- ROTATING EQUIPMENT PERFORMANCE TEST



# Services

## *START-UP*



- MASTER PLAN START-UP UPGRADE
- VENDORS COORDINATION AND SUPERVISION SUPPORT
- PROCESS PLANT START-UP, INITIAL OPERATION
- TUNE PLANT
- LIVE ESD AND SHUTDOWN TESTING PROGRAMME
- RAMP UP PRODUCTION
- SUSTAINABLE STEADY-STABLE OPERATIONS
- OPERATION TROUBLESHOOTING SUPPORT
- PERFORMANCE & WARRANTY TESTING AND ACCEPTANCE
- INITIAL HANDOVER DOSSIER AND CERTIFICATE APPROVED

# Services

## *OPERATION*

- FINAL WALKDOWN REVIEW
- APPROVAL OF ALL PUNCH LISTS
- DOCUMENTATION FOR TURNOVER FINALIZED
- ACCEPTANCE AUDIT FOR TRANSFER OF ASSET
- GREEN LINE AS-BUILT DRAWING ISSUED
- FINAL HANDOVER CERTIFICATE ISSUED
- CLOSE OUT REPORT ISSUED
- OPERATION OPTIMIZING ANALYSIS
- PLANT GOES INTO FULL O&M MODE





# Services

## *TRAINING*

- TRAINING MODULE DEVELOPMENT
- TRAINING EXECUTION (CLASSROOM AND FIELD)
- TRAINING SUPPORT WITH DCS DYNAMIC SIMULATORS
- STAFF COMPETENCY VALORIZATION
- TRAINING TO CLOSE THE GAPS
- ON THE JOB TRAINING EXECUTION
- TRAINING IN TROUBLESHOOTING TECHNIQUES
- OPERATION AND MAINTENANCE MENTORING



# Services

## Maintenance Planning

- RECORD REFINERY ASSETS IN THE CMMS SYSTEM (SAP SOFTWARE)
- CATALOGUE, ORDER, AND DEFINE MINIMUM SPARE PARTS INVENTORIES IN THE WAREHOUSE
- DEVELOP PREVENTIVE, PREDICTIVE, AND CORRECTIVE MAINTENANCE PROCEDURES
- DEVELOP THE REFINERY'S MAINTENANCE MANAGEMENT MODEL / KPI'S
- DEFINE THE MAINTENANCE ORGANIZATION (ORGANIZATIONAL CHARTS AND RESPONSIBILITIES)
- RECOMMEND THE LIST OF MAINTENANCE EQUIPMENT, TOOLS, AND MATERIALS TO BE PURCHASED BY THE OIL AND GAS FACILITY OWNER (E.G., CRANES, FORKLIFTS, ETC.)
- ESTABLISH THE LUBRICATION PLAN FOR ROTATING EQUIPMENT
- DEFINE THE ADEQUACY OF INTERNAL WORKSHOPS FOR MECHANICAL, ELECTRICAL, AND INSTRUMENTATION EQUIPMENT (E.G., TESTING EQUIPMENT, ETC.)
- ESTABLISH COMPLEMENTARY MAINTENANCE SERVICE CONTRACTS (E.G., VACUUM TRUCKS, HEAT EXCHANGER CLEANING, LEAK REPAIR, ETC.)

## *Maintenance* **SUPPORT**



## Maintenance Execution

- ESTABLISH DAILY PLANNING MEETINGS BETWEEN OPERATIONS AND MAINTENANCE
- EXECUTE MAINTENANCE ACCORDING TO THE PRIORITIES ESTABLISHED IN THE BACKLOG
- ESTABLISH AND EXECUTE PREVENTIVE MAINTENANCE MONITORING ROUTES
- ESTABLISH MAINTENANCE AND INSPECTION ROUTINES FOR KEY EQUIPMENT



# Services

## *Technical* **OPERATIONAL AUDITS**

- EVALUATION OF PROCESSES EFFICIENCY, OPERABILITY AND BOTTLENECKING
- INFRASTRUCTURE ANALYSIS
- MAINTENANCE MANAGEMENT
- QUALITY CONTROL
- ENERGY EFFICIENCY AND RESOURCE CONSUMPTION
- ORGANIZATION AND OPERATIONAL MANAGEMENT
- PRODUCTION PLANNING AND CONTROL
- SAFETY AND REGULATORY COMPLIANCE
- FINANCIAL MANAGEMENT AND OPERATIONAL COSTS



# Services

## *Recovery of* **OIL-CONTAMINATED SLUDGE**

### Engineering & Procurement phase:

- EVALUATE THE TECHNOLOGY OF PROCESSING PLANTS AVAILABLE IN THE MARKET
- EVALUATE THE DISPOSAL AND MANAGEMENT OF PRODUCTS (RECOVERED HYDROCARBON) AND EFFLUENTS GENERATED IN THE PROCESS (WATER AND SOLIDS).

### Construction Phase:

- REVIEW AND COMMENT ON THE CONSTRUCTION PLAN, SCHEDULE, AND ORGANIZATION OF THE CONSTRUCTION TEAM
- REVIEW PROTOCOLS FOR CERTIFYING MECHANICAL COMPLETION OF THE PLANT.
- REVIEW THE TEST PLAN AND PROCEDURES OF THE PRE-COMMISSIONING STAGE (ELECTRICAL, INSTRUMENTATION AND MECHANICAL)
- ESTABLISH THE NECESSARY TRAINING PLAN FOR FUTURE PLANT OPERATORS AND ITS TRAINING EXECUTION
- RECOMMENDATIONS ABOUT THE CONSTRUCTION INSPECTION TO DETECT CONSTRUCTION DEFECTS (PUNCH LIST)
- PREPARE THE PSSR (PRE-STARTUP SAFETY REVIEW) AUDIT

### Commissioning & Startup phase:

- IDENTIFY AND DEVELOP OPERATIONAL PROCEDURES FOR COMMISSIONING, START-UP, AND NORMAL OPERATION OF THE PLANT
- PREPARE THE SAFETY, HEALTH, AND ENVIRONMENT PLAN
- PREPARE THE COMMISSIONING AND START-UP PLAN
- DEFINE THE OPERATION CONTROL PARAMETERS AND ADJUSTMENTS FOR COMPLIANCE WITH THE YIELDS AND QUALITY OF THE PRODUCT STREAMS.

### Operation Phase:

- DEFINE ROUTINE MONITORING TO CONTROL PARAMETERS FOR THE SAFETY OPERATION OF THE PLANT
- ESTABLISH THE PREVENTIVE MAINTENANCE PLAN FOR CRITICAL EQUIPMENT
- ESTABLISH THE PLANT WARRANTY TEST RUN PLAN AND VERIFY
- ESTABLISH OPERATIONAL PLANS FOR THE OPERATION OF THE PLANT OVER A LONG-TERM PERIOD.



# Projects

## CPF Corocoro Offshore

PROJECT 2008-2009

Construction & Pre-commissioning Advising of Crude Production Platform





# Projects

## Erbil Refinery Revamp

PROJECT 2010-2012

Planning, field supervision of commissioning, initial startup activities and operation



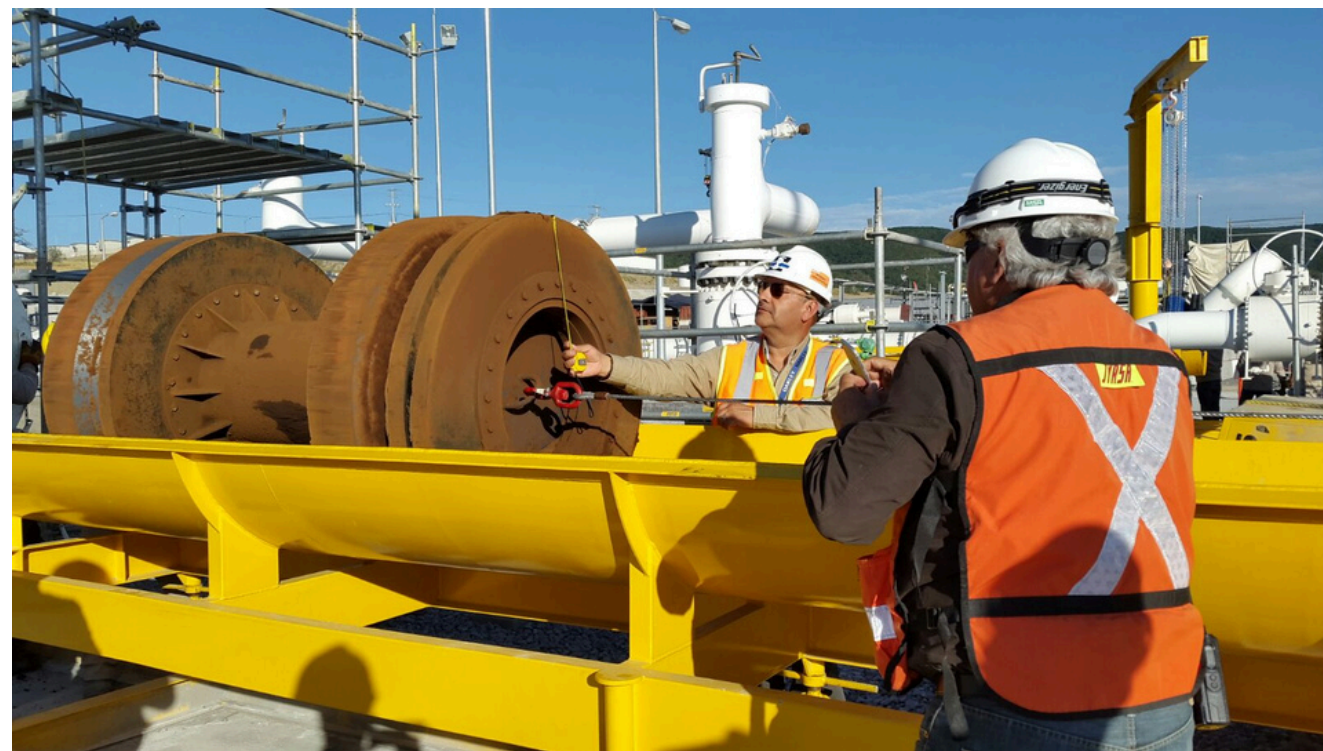


# Projects

## Gas Pipeline Ramones II

PROJECT 2015-2016

Pre-commissioning, commissioning, startup, operation of gas pipeline and compression plants



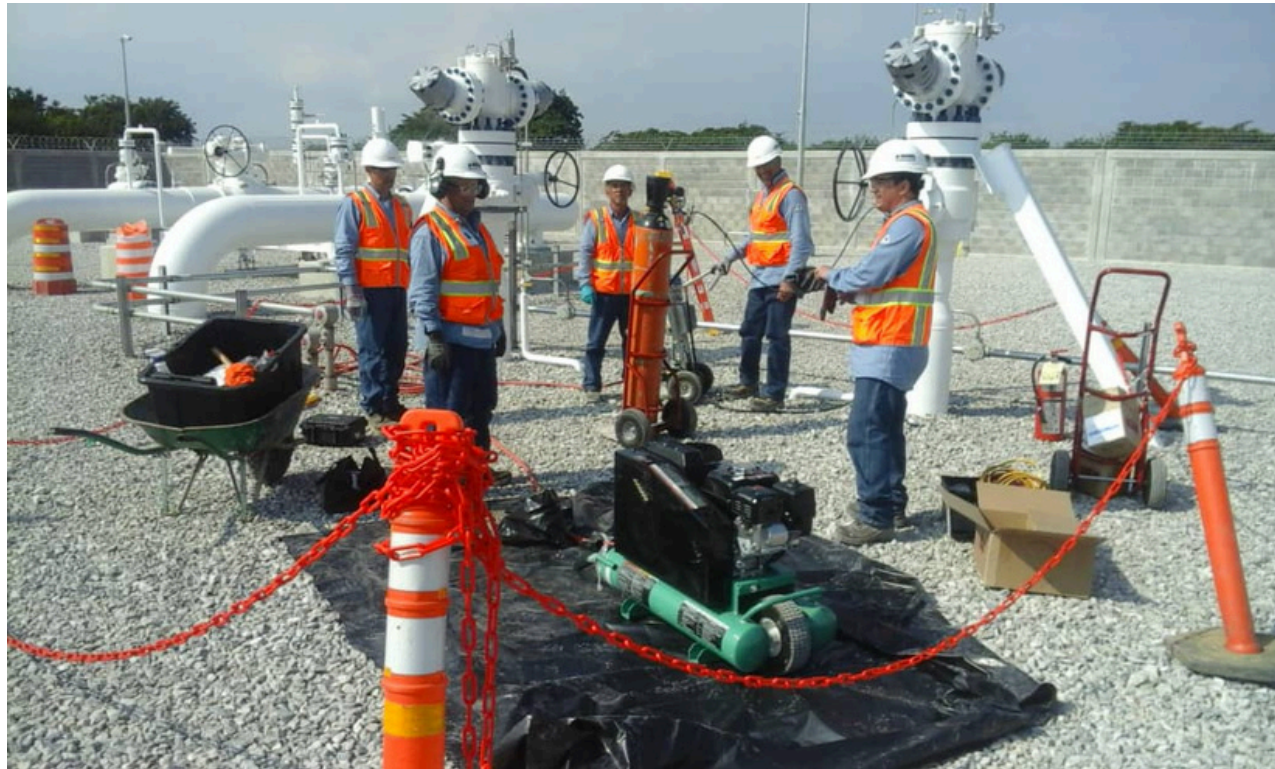


# Projects

## Altamira Gas Compression Plant

PROJECT 2018-2019

Altamira Compression Plant Commissioning





# Projects

## Talara Refinery Revamp

PROJECT 2020-2024

Operational Assistance for Documentation, Training, Commissioning, Startup & Operation





# Clients

## *Professional* **COLLABORATIONS**

