



**Petro6**  
Engineering & Construction

[www.petro6ec.com](http://www.petro6ec.com)

# Welcome to Petro6 E&C

## About Us

Petro6 E&C is one of the well-known ISO 9001 and ISO 14001 Certified Engineering, Project Management and Construction company focused on executing complex offshore and onshore oil and gas projects worldwide. Engineering services are carried out using proven software's through well experienced professional with the help of state-of-art technologies. Understanding the client needs and suggesting trailer-made engineering solutions has been the key tool for our success.

Petro6 E&C offer services for Conceptual and Front End Engineering Design (FEED), Basic Engineering, Detailed Engineering, Procurement Assistance, Project Management Services, Vendor Management, Construction Management, Inspection Services, Pre-commissioning, Commissioning Services and Start-up Services. Petro6 E&C undertakes both green field and brown field projects from the concept to commissioning and provides supports to client throughout the project phases.

### **/** Vision

Our vision is To become leader in oil and gas engineering and construction.  
To become the most preferred one-stop engineering and construction firm.

### **/** Mission

Our mission is To exceed expectations of customer and have long term working relations. To perform fit for purpose design without compromising quality and safety. To provide low cost engineering solutions within project schedule.

### **/** Management

Petro6 E&C is managed by well experienced professional engineers with decades, serving in oil and gas industries worldwide. Senior management of Petro6 E&C worked with multinational Engineering firms like Brown & Root, John Brown, Akerkverner, Technip, Comprimo EPCIC contractors like McDermott, Thai Nippon Steel, Larsen & Toubro, Schlumberger, GSI and Operating companies like Qatar Petroleum, Brunei Shell and Petronas Charigali.

Team Leaders carries international working exposure and in-depth knowledge in proven industry practices, client engineering standards and operating practices, international codes, standards and regulatory requirements.

# Domain Expertise

Petro6 E&C uses the state of art software's depending on project needs, which includes;

Hysys Process Simulation

PV Elite Pressure Vessel Design

Caesar II Piping Stress Analysis

E-Tap Electrical Load System study

INTools Instrumentation Design and Database

PDMS / PDS 3D Modeling and Design

SACS Structural Design

STAAD PRO

AutoCAD 2D Drawings

MS-Projects Project Management

# Capabilities

Petro6 E&C offer's range of services including,

Conceptual Engineering

Front End Engineering Design

Detailed Engineering Design

Procurement Engineering support

Fabrication, Inspection and Construction Assistance

Installation and Commissioning Assistance

Project Management

Packages Engineering and supply

Execution of Site Modifications





# Our Projects

Design of Heater Treater | Design of Booster Compressor Station | Engineering Services | Condensate Stabilizer De-bottlenecking | Detailed Engineering of Wellhead Platforms | Early Production Facilities Design | BLNG Modifications | EOR-Ph-3 | Mods Early Production Facilities| Wellhead Platform Pre-Bid Eng| Process Performance Study| SARA Early Production Facilities| Mangala Unloading Facilities| RAAG-Phase-2 - WP#3 -| Early Production Facilities (EPF)| Offshore Brown Field Modifications | Supply of Equipment Skid

## Team Leaders Profile


## Quality

Petro6 E&C's Quality System Procedures are developed to meet the requirements of ISO: 9001 and accredited by DNV for ISO 9001:2008 and ISO 14001:2004.

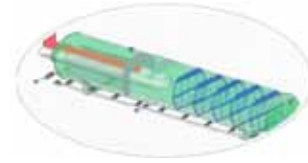
Documentation Process Our design and engineering deliverables will undergo the following minimum cycles before issuing to clients Self-Check by Originator Discipline Internal Check by Lead Engineer Inter Departmental Review by Lead Engineers Quality and Consistency Check by QA/QC

# Design of Heater Treater package

Process Design, Equipment Sizing, Thermal Design and package Engineering of Heater Treater package.

## The scope of work also includes;

- Preparation of P&IDs
- Preparation of datasheets for burners
- Preparation of Equipment sizing calculations
- Preparation of Operation Manuals
- Preparation of Maintenance Manuals

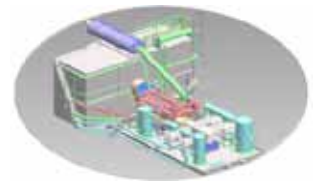


# Design of Booster Compressor Station

Conceptual Design, Detailed Engineering and Procurement Services for the installation of 5 Nos of 13.5 MMSCFD, Gas Engine Driven Reciprocating from 150 psig to 550 psig.

## The scope of work also includes;

- Performing Tie-ins from the existing plant
- Modification of existing control system
- Perform process study to operate the plant at low pressure
- Site Grading and Pile Foundation Design
- New Pipe rack design





# Supply of Equipment & Packages

Petro6E&C also undertake orders for Design, Engineering, Procurement, Assembly and supply of all type of Process Equipment Packages.

The packages supplied include;

Injection Filter Packages

Separator Packages

Electric Well Fluid Heater Packages



# Concept to Commissioning of Power Plants

Concept to Commissioning of Power Plants involving either Green Field- Expansion Project or Old Plant Relocation.

These Power Plants Projects involve mapping customer specific needs, working out firing system suitable for available fuel(s), Turbine selection, preparations of front end engineering like Heat Mass Dig., Plant Layout, Control scheme. Scope extends to Detailed Engineering, Vendor Sourcing, Manufacturing Inspection plan, Project Scheduling, Erection & Commissioning of power plants. All Documents shared with customer to train them during project execution.

In case of Old plant relocation careful study of existing layout, analysis of operation log sheets & residual life assessment of parts is carried out to enable conclude necessary upgrade requirements before relocation.



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