AL-ITKAN Oil Services.Co

OGIM is officially an IWCF accredited training center.

OGIM Monastir

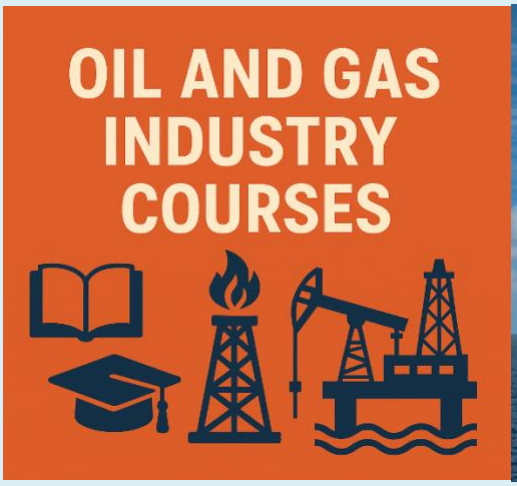
Oil and Gas Institute of Monastir Tunisia

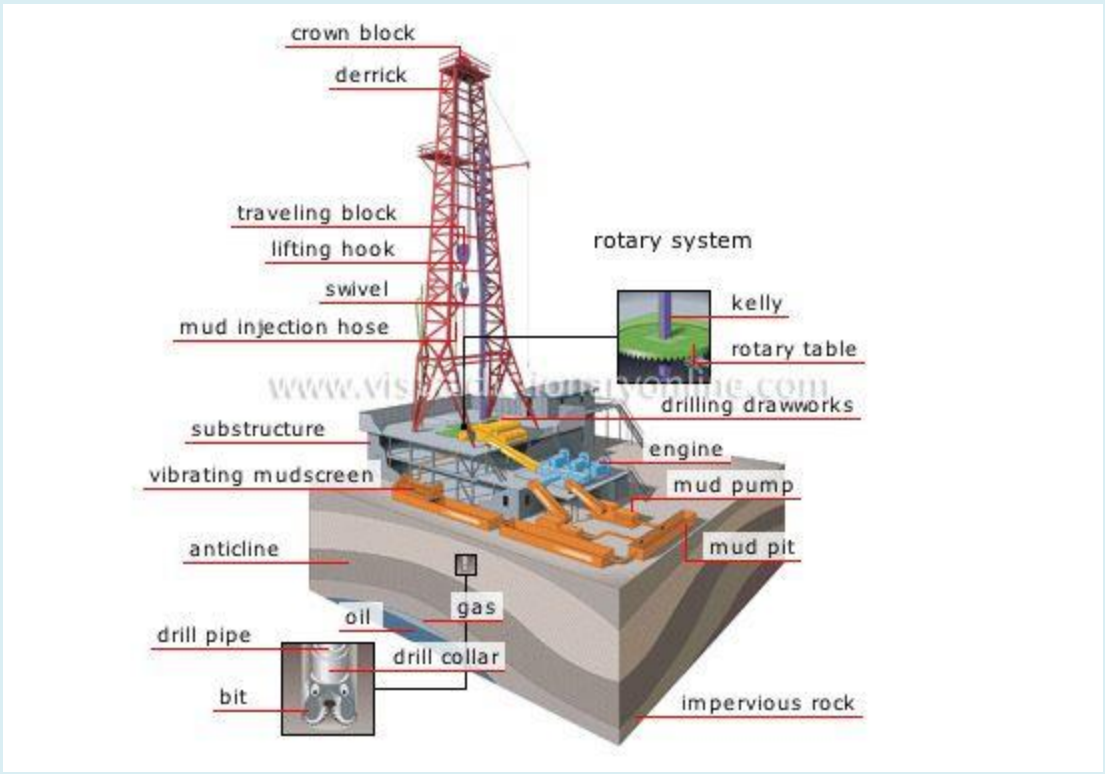
OGIM officially became a primary center accredited by IWCF (International Well Control Forum) since March 2015. In 2013, OGIM had obtained the "Temporary Center" status and acted through a Scottish center.

For the next four years renewable (until 2019) we provide well control training ("Well Intervention Pressure Control") with direct coordination with the International Well Control Forum IWCF and organize exams at our center in Monastir in Tunisia.

Currently OGIM adds to the few centers certified in Africa

(Nigeria, Algeria, Egypt, Libya)

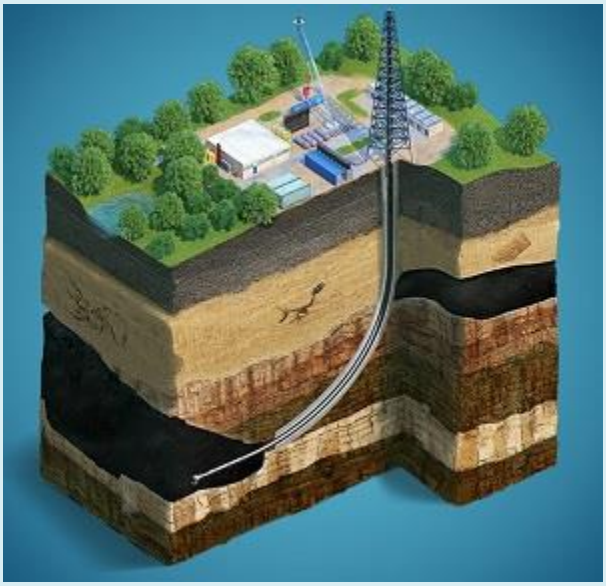



crown block
derrick
traveling block
lifting hook
swivel
mud injection hose
rotary system
kelly
rotary table
drilling drawworks
substructure
engine
vibrating mudscreen
mud pump
anticline
mud pit
oil
gas
drill pipe
drill collar
bit
impervious rock

PROCESSES

Techniques

Techniques



Deciding where to drill is the most in-depth part of Exploring for oil and gas. The Modern exploration geologist (a person who explores for petroleum) must rely on many techniques to find profitable oil and gas reserves. There are three primary methods used to find hydrocarbons in the subsurface:

1. Geophysical surveys
2. Sub surface mapping
3. Wildcatting

PROCESSES

Drilling Rigs

The drilling process is a very in-depth process. A well site must first be selected then all the legal documents obtained. Drilling operations can begin only after the site has been prepared, ground has been leveled, roads have been built, a derrick has been erected, and other equipment that comprises the drill rig has been put in place. Water is a vital component in the drilling process for mixing drilling mud (lubricant). Water can be hauled into the location by trucks or pumped from a nearby lake, pond, or water well. If no source is available, a new water well must be drilled before the drilling process can begin.

Focus Areas

- ***Exploration & Production***
- ***Oil & Gas Pipelines***
- ***City Gas Distribution***
- ***Refining & Petrochemicals***
- ***LNG Terminals Storage & Infrastructure***
- ***AI in oil & gas industry***
- ***Hydrogen & Biofuels***
- ***Energy Security & Energy Transition***

DISCIPLINES

- Advanced Petroleum Engineering

DISCIPLINES

- *Geology and Reservoir*
- *Process and surface Facilities*
- *Well construction/Drilling*
- *Production and Well Intervention*
- *HSE*
- *Economics and Management*
- *Drilling Engineering and Operations*
- *Petroleum Technologist*
- *Petroleum High Technician*
- *Petroleum Field Operator (French courses)*
- *Petroleum Production Operator*
- *IWCF Certification*

Course Outline

5 days course

Core Subjects:

Reservoir engineering

Drilling engineering

Production technology

Enhanced oil recovery

Geology and Geophysics

Major Topics:

Seismic interpretation

Basin modeling

Stratigraphy

Petro physics

Day1

Essentials of the Industry

- Meaning of petroleum
- Typical oil and gas company objectives
- Industry streams
- World reserves and production
- Peak oil
- Production management
- Quotas and capacities (OPEC/non-OPEC)
- Market distribution and dynamics
- Role of IOCs, NOCs and regulatory bodies
- Glossary of terms

Production Chemistry and Technology

- Role and scope
- Production chemistry

- Elements of production technology
- Reservoir production concepts
- Performance of flowing wells
- Well deliverability and production forecast
- Units and conversions
- Case Study: gas-oil ratio, inflow performance, effect of skin on well productivity

Day2

Production Engineering

- Completion concepts and techniques
- Casing, tubing and wellhead
- Completion equipment
- Completion design
- Artificial lift techniques
- Completion Practices and well Interventions
- Completion installations
- Multi zone completions
- Well interventions
- Production problems
- Causes of low productivity
- Effect of water-cut on economics
- Abandonments

Production Facilities

- Process selection
- Oil and gas separation
- Crude oil treating systems
- Condensate stabilization
- Gas dehydration
- Produced water-handling systems
- Pumps and compressors–centrifugal and reciprocating
- Offshore production facilities

Day3

Production Supply Planning and Scheduling

- Control room
- Oil and gas measurement and regulations
- SCADA systems
- Custody transfer and royalty payment
- Metering systems
- Specification and procedures
- Distribution pipeline network
- New metering technologies

- Case study: Gravity separation,
- metering accuracy and financial impact

Storage, Transportation and Marketing

- Oil and gas storage
- Transporting petroleum fluids
- Sales and marketing
- Challenges
- Vertical integration
- Improvements
- Environmental Concerns in Petroleum Production
- Waste generation
- Handling oilfield wastes
- Waste management and minimization
- Industry perception on HS&E
- Corporate responsibility
- Safety standards
- Environmental regulations in different regions
- Case Study: Refining value, transportation cost, contamination limits

Day4

Economics of Production Management

- Field appraisal and facilities planning
- Feasibility studies
- Capital investment planning and operating
- Cost budgeting
- Sensitivities analysis and investment
- Grade estimate
- Engineering, procurement and construction
- Phases of production (primary, secondary and EOR)
- Changing facilities needs
- Economic limit

Human Resources Management

- Corporate objectives
- HR management challenges
- Increasing project demands
- Lack of qualified people
- Ageing workforce
- Ineffective skills transfer
- Local resources development and training
- Leadership and culture
- Role of government regulatory agencies

Day5

Disaster and Contingency Planning

- Scenario planning
- Think of the unthinkable
- Minimal operational requirements
- Alternates
- Strategic reserves
- Maximum sustainable capacity
- Future Trends
- Intelligent (smart) wells
- I-Fields – Hi-tech control rooms – Innovations

Our Facilities

Our facilities include modern equipment and comfortable training spaces

Our Goal

At London Premier Centre, we take care of the whole journey.
From the moment you reach out to the day you complete your course, every detail is carefully crafted to make training simple, meaningful, and personal.
So, when you leave, you don't just carry a certificate, you take an experience you want to repeat!

Oil and Gas Drilling Technology Course

The Oil and Gas Drilling Technology Course has been designed to provide students with a detailed knowledge of the technology required and all major engineering related elements associated with the oil and gas life-cycle. One of the main features of the program is its interdisciplinary nature, being suitable for students with mechanical, civil, electrical, chemical and other suitable engineering backgrounds, making them future engineering leaders. The program provides you with both a theoretical and practical grounding in this field, equipping you to tackle the challenges of this fast-evolving industry. It is delivered by expert staff from Engineering, Geology, Chemistry and the oil and gas Industry each of whom are highly regarded in their field of expertise, providing you with access to world-class teaching and research.

What you will learn

This Course is basically proposed for candidates who aspire to have a career in the field of oil and gas industry. It offers conferences and training ranging from exploration, appraisal, development (completion and production). We built on extensive real-world experience in every corner of the oil and gas value chain. We combine the insights from our Alliance

member companies with the knowledge of seasoned industry experts to help with your most complex challenges.
For more information on the topics covered within each module, Additional Information area.

SYLLABUS

- BASICS OF OIL AND GAS DRILLING OPERATIONS
- DRILLING OPERATIONS
- MUD LOGGING WORK OVER & CORING & E-LINE LOGGING
- WELL TESTING
- DRILL STEM TESTING
- SURFACE TESTING
- SURFACE PRODUCTION TESTING COMPLETION
- PRODUCTION ENGINEERING
- SLICK LINEFISHING
- WORK OVER & INTERVENTION
- WELL HEAD MAINTANENCE
- WEEK HSE
- WEEK FIRE FIGHTING
- WEEK PROCESS ENGINEERING

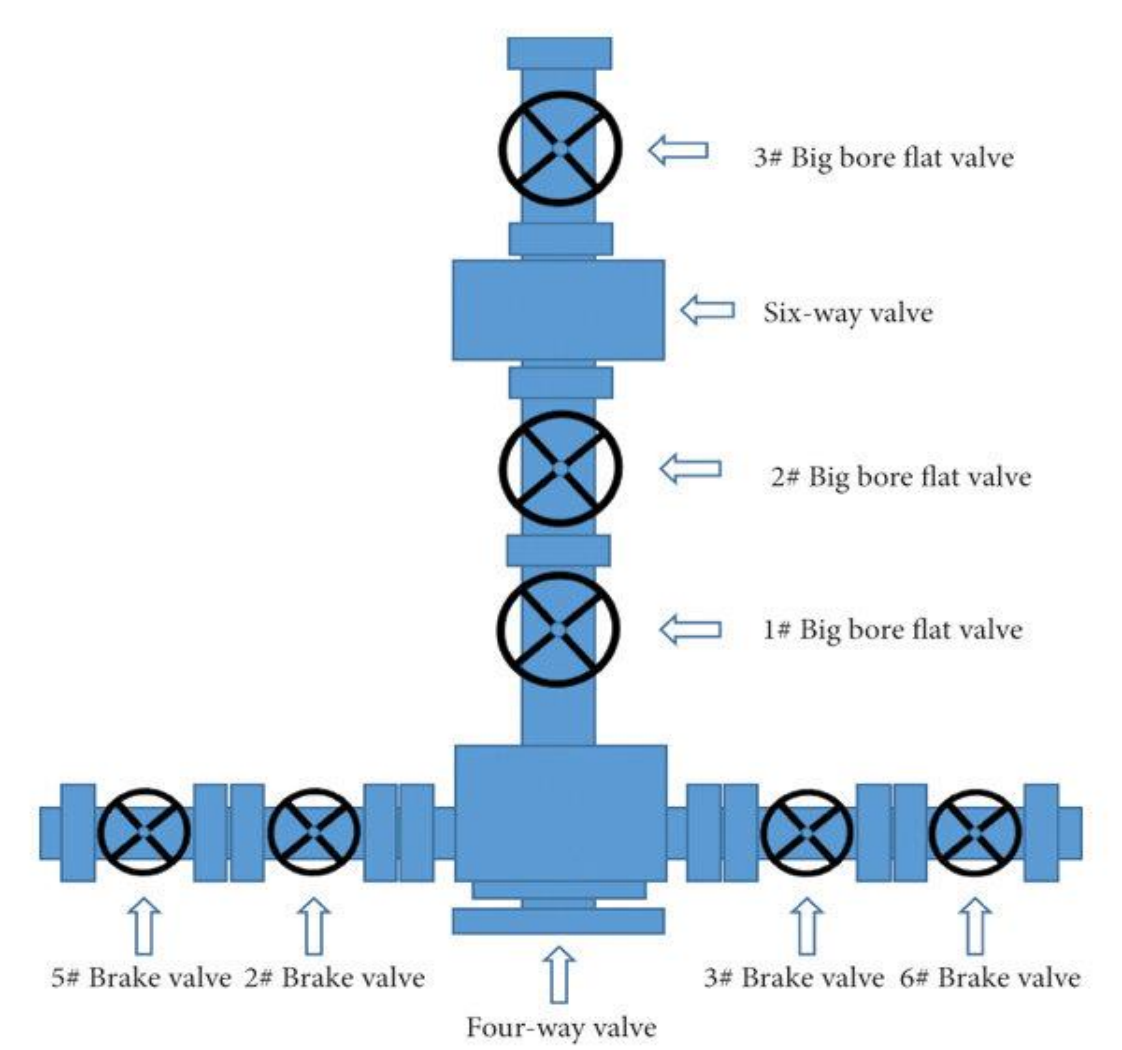
IWCF™

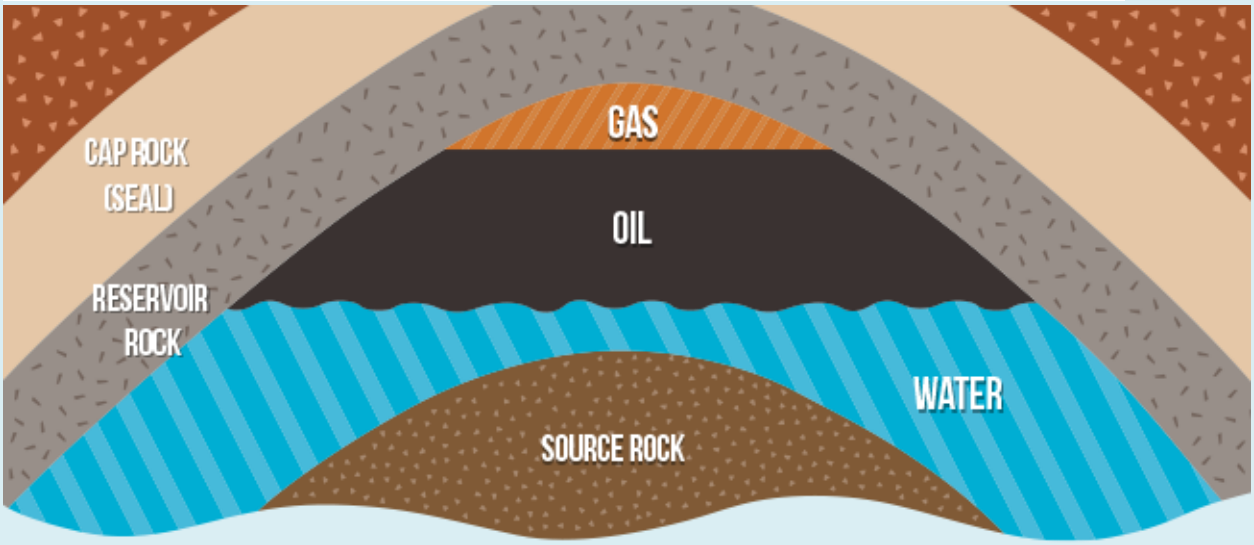
IWCF WELL CONTROL DRILLING OPERATIONS LEVEL 2

International Well Control Forum

LEVEL 02

IWCF Enhanced Well Control Level 4 Well Operation


3# Big bore flat valve
Six-way valve
2# Big bore flat valve
1# Big bore flat valve
5# Brake valve
2# Brake valve
Four-way valve
3# Brake valve
6# Brake valve


CAP ROCK
(SEAL)
GAS
OIL
RESERVOIR
ROCK
WATER
SOURCE ROCK