



Diploma in Oil & Gas Operations

## *Advanced Diploma in Oil & Gas Operations*

International Certification – IVQ (International Vocational qualification)

**Duration 6 Months.**

**Start Date: 21 October 2015**

### Introduction

Oil & Gas industries in India and abroad has job opportunities either on direct or on contract hire for personnel from all backgrounds. Job opportunity in O & G industries is increasing year by year as more expansions and new projects introduced by most of the Oil and Gas companies. Oil & Gas industries provides high pay scales and better working conditions compared with many other fields.

Opportunities in the Oil & Gas sector comes from mainly **Design, Construction, Procurement, Commissioning, Inspection, Safety, Drilling, Production, Logistics, Operation & Maintenance** areas. The opportunities for careers in the O & G industry are endless. Similarly, within the industry, individuals can move along a career path from a lower level to higher relatively quickly if they display good technical understanding, work ethic and initiative.

Engineers and technicians from all disciplines can find various opportunities in any one of the job areas mentioned above. Basic understanding on **Properties of Petroleum, Production and processing systems, Safety procedures, Material selection, Corrosion & protection issues, Operation & Maintenance, Oil economics**, etc is required to find employment with O& G industries

The Diploma program in Oil & Gas operations is aimed to develop the competency of participants to work as Oil & Gas operator / technician. This program will also support engineers who are looking for jobs in design, construction & maintenance areas.

### Tracez India

**Tracez India** is the branch of the Tracez Training & Consultancy Services, an international training company currently operating in Dubai and Muscat.

Tracez team has more than 30 years' experience in developing and delivering training programs for Oil & Gas industries.

Tracez has international expertise with major Oil & Gas companies including SHELL, BP, OCCIDENTAL, ARAMCO, ADNOC, etc.

### Why to choose Tracez?

- Opportunity to learn the Oil & Gas Operations from experts.
- Tracez is second to none in India in our expertise and also capability in providing O& G training.
- Placement support-Well connected with recruitment agencies and Oil & Gas companies in India & abroad.
- Tracez has the procedures and systems to make sure every candidate join with us learn well and achieve the Diploma after 6 months.

### Suitable for

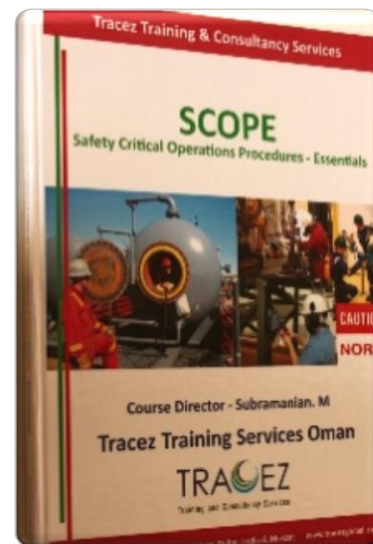
- Engineering Diploma holders
- B Tech Graduate from all discipline ( except Civil & Electrical)
- Graduate in science/Maths streams
- Higher Secondary -Science /Maths stream
- B Tech- Course completed candidates.



**Please Note:** Basic understanding in science is essential to learn Oil & Gas operation.

### Modules

1. **Origin of Petroleum, Geology & Oil Exploration**
2. **Drilling & Completion**
3. **Wellhead & Controls**
4. **Oil Production Systems**
5. **Well testing**
6. **Artificial Lift systems**
7. **Enhanced Oil Recovery systems**
8. **Processing, Transportation & Storage of Oil**
9. **Basics of Oil Refining & Petrochemical systems**
10. **Gas production & Treatment**
11. **Instrumentation & Process controls systems**
12. **Safeguarding Systems for Oil & Gas industries**
13. **General Safety for Oil & Gas Operation**
14. **Pumps & Compressor Operation**
15. **Economics of Oil Production**
16. **Emergency handling in Oil & Gas operation**
17. **Startup & Shut down of Oil & Gas plant and equipment systems**



18. Isolation, De-isolation & commissioning of plant systems
19. Maintenance of rotating & static equipment
20. Utility systems- Power, instrument air, steam & water systems, etc.
21. Technical English- relevant to Oil & Gas Operations
22. Communication & Presentation Skills development

### Mode of Delivery

- Highly visual Powerpoint slides
- Videos & graphics
- Case studies
- Practical assignments
- Assessments for each modules
- Group discussions & presentations by candidates
- Practical skills development in pilot plants.
- Oil & Gas Industry visits
- End of program exam/assessment



### What you learn

- Technical English relevant to Oil & Gas
- Communication & Presentations skills
- Understanding on Origin of Petroleum and properties
- Oil & Gas Exploration, Drilling, Production & Processing systems
- The operation & maintenance of all types of rotating equipment including Pumps, Gas Turbines, Gas Compressors, Turbo expanders.
- Ability to read drawings including P & IDs, PFS, C & E, etc.
- Basics of Refinery & Petrochemical Operations
- Knowledge on initial Commissioning, Startup & Shutdown of plant equipment & accessories.

## Tracez Training & Consultancy Services. Dubai, Muscat & India

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

- Isolation & de-isolation of all equipment/systems of Oil & Gas
- Basics of HSE ( Health, Safety & Environment) policies & practices
- Oil & Gas safety systems (Permit to work, PPE, HSE Documents, etc.)
- Basics of Process Instrumentation & Control systems for Oil & Gas operation
- Competency to operate Oil & Gas production systems

### Certification- Internationally accredited

A Diploma certificate will be provided to all candidates meeting the below requirement

- 100% attendance
- Involvement in discussions/presentation
- Completion of class assignments & home work
- Pass in all the individual module assessments
- Pass in final examination

### Placement support

Tracez will provide placement assistance to all candidates by;

- Provide opportunities through Tracez placement cell by making use of our contacts.
- Providing details of job opportunities available with various national & international companies; contact details, knowledge & skills requirement, deliverables, pay scales, etc.
- Establishing contacts between employers & candidates.
- Provide additional coaching.

Please Note: Tracez is not an employer but has the capacity to develop your capability to secure employment in Oil & Gas sector.

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#### Links

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