

Introduction to the Oil & Gas Industry (Delivered via Remote Instructor Led Training)

Course Objectives

This wide-ranging and practical industry overview covers each key phase of the exploration and production industry. It offers oil and gas professionals the opportunity to gain a technical and commercial understanding of the industry fundamentals.

What Will You Learn?

- The scientific origins of oil and gas
- The commercial issues underpinning hydrocarbon exploration and development
- The role of government and its agencies
- Oil and gas terminology
- The technological process of exploration
- The technological process of drilling
- The technological process of production
- The challenges of decommissioning

Who Should Attend

This course is extremely popular with personnel from all sectors of the oil and gas industry – government agencies, authorities, operators, contractors and service companies. It is especially valuable for newcomers to the industry and non-technical personnel working in areas like HR, Finance, IT, Contracts and Administration who feel they could benefit from gaining a wider appreciation of the 'big picture'.

Course Content

This course has been designed to be delivered via a Remote Instructor Led platform and consists of 6 modules. These will be delivered over 3 days – to allow for introductions the first session will run for 2½ hours followed by five x 2-hour sessions. Each session will have a short break and allow time for questions and discussions.

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Petroleum Geology – The Origins of Hydrocarbons

- Key definitions and brief industry history
- The formation of petroleum
- Oil and gas reservoirs
- Reservoir rock and fluid properties

The Big Picture

- Ownership & control of Hydrocarbons
- Joint Ventures
- World energy supply and demand
- Classification of reserves
- Oil pricing and market issues

Exploration, Appraisal and Drilling

- Geological and commercial factors necessary for successful exploration
- Seismic surveys
- Drilling rigs
- Equipment and processes involved in drilling a well

Field Development, Economics and HSE

- Onshore/offshore developments
- Shallow/deep water developments
- Key economic indicators used in field development decision making
- Health, Safety and Environmental considerations

Production, Decommissioning and The Future

- Reservoir production including Artificial Lift
- Production and Treatment of Reservoir Fluids
- Maintenance and Logistics
- Decommissioning
- Future issues and challenges

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Testimonials

"I found the course exceeded my expectations. It was interesting and informative from the start. Being new to the industry there were many terms being used that I had no knowledge of. The course has helped me to gain a much better understanding of the industry." **Neil Gooding, Oil & Gas Authority**

"Exceptional, it covered all my questions about obscure O&G industry words such as independent, sweet, and sour oil and gas, upstream, downstream, and midstream... so on. I do not believe Drew missed anything out. I learnt a lot." **Jennifer Gray, Oil & Gas Authority**

"It has been really good, a thorough look into the whole oil and gas industry and enough detail to help me understand the words and concepts that I need to understand in my role. I know enough now that I will be able to look up any more information that I might need from the manual because I have the basics down. Drew is very knowledgeable and has a wealth of experience so can make topics more interesting by giving examples from his own career." **Bee Smith, Oil & Gas Authority**

"It was all perfect from the first communication with MDT to register, very helpful. The instructor is one of the best I have come across. Coming from an accounting background the course has added a lot to my knowledge on the technical side."

Tasneem Abdelgadir, Petronas

"Great introduction to the oil and gas industry that filled in the (vast) gaps in my knowledge. Great to be able to ask lots of questions and get answers."

Vince McCaughey Premier Oil

"One of the very few courses where I felt like "keep on going" with the course. Best part was the industry examples and stories to connect the theory. Very good energy over the two days."

Harit Famish, Maersk

"I came to the course with very little understanding of the industry whilst having to have very technical conversations with my clients. I have far greater confidence now in my knowledge, and this will have a large positive impact on my role."

Ashkan Kazeonian, TSC Inspection Systems

"I really enjoyed learning. It was amazing how much I learnt in just two days. The course was the perfect thing I needed, huge eye opener. I wish to attend a course on leadership and people management skills in the future. Thanks MDT!"

Victoria Minja, Ophir Energy