

OIL INDUSTRIES ORIENTATION



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TRAINING TITLE

OIL INDUSTRIES ORIENTATION

VENUE

Dubai, UAE

DURATION

5 Days

DATES

08-12 September 2019

PRICE

US\$4,000 per attendee including training material/handouts, morning/afternoon coffee breaks and Lunch buffet.

COURSE DESCRIPTION

The course will provide an overview of most aspects of the petroleum industry, including exploration, drilling, reserves, production, processing, transportation, storage and economics. The course instructor will familiarize the participants with very rich information about issues closely related to oil and gas industry operations and vocabulary. Participants in this course will professionally get familiar with the following tasks.

- Overview of the Oil & Gas Industry
- Prospecting and exploration
- Domestic and international leasing
- Drilling, testing and completion
- Reserves Evaluation
- Production and maintenance
- Transportation and storage
- Refining, gas processing, liquefied natural gas (LNG), petrochemicals and natural gas liquids (NGLs), etc.
- Marketing, pricing and economics
- The use of technology in the industrial security.
- Oil reserves and types
- Reservoir definition and development; production and recovery

COURSE OBJECTIVES:

Upon completion of this training course, the participants will be able to:

- Identify key aspects of oil and gas exploration, production, transmission and commercialization
- Understand the current energy market dynamics and their implications on your business

- Address how oil and gas processing fits into the value chain for hydrocarbon products.
- Describe how oil and gas is transported and sold.
- Differentiate between various gas conditioning and processing technologies.
- Summarize oil refinery process.
- Oil Price Volatility and the Changing Dynamics of Supply Chain Management

TOPICS COVERED

- Global Oil demand and factor affecting it
- Crude oil price and the global market
- Oil reserves and types
- The balance of supply and global demand of oil.
- Legislation and oil contracts
- Calculate revenue and profitability in the oil project.
- Study of oil projects and economic feasibility
- Introduction in composition of oil and gas exploration and methods
- Extraction of oil and gas
- Production and oil refining
- The use of technology in the industrial security
- Be able to distinguish between Upstream, Mid stream and downstream operations.
- Video Demonstration
- Class Exercise

COURSE OUTLINE

General Overview of the Industry

- The petroleum industry
- Typical oil & gas Industry activities
- Historical crude oil prices, Host Country agreements
- Worldwide reserves and production
- Classification of oil and gas
- Typical oil and gas composition,
- Global oil demand and factors affecting it,
- Crude oil price and the global market.
- Balance of supply and global demand.

- Revenue and profitability in the oil project
- Petroleum Prospecting (Exploration)
- Control of Petroleum Exploitation
- Drilling Operations, Well Completions, Well control, evaluating a Well
- Field Development and well performance
- Separating and Treating Well Fluids
 - Crude treatment and processing
 - Gas processing
 - Treating natural gas
- Crude Oil and Natural gas marketing and pricing.
- Video Demonstration
- Class Exercise

- Introduction to refining, product pricing.
- Refined products quality.
- Refining technology/complexity
- Simple & Complex refineries
- Operational Requirements
- Refinery processes
- Value chain
- Petroleum Products distribution and marketing
- Transportation of Oil & Gas
- Pipelines: Tankers and pipelines
- Oil projects and economic feasibility
- Video Demonstration
- Class Exercise
- Final Revision and course closing.

TRAINING AUDIENCE

The program is ideal for personnel involved in gas plant process operations, troubleshooting, process engineering, and technical services as well as others providing services to the gas industry, should also find this program beneficial.

TRAINING CERTIFICATE

MAESTRO CONSULTANTS Certificate of Completion for delegates who attend and complete the training course

METHODOLOGY

Our courses are highly interactive, typically taking a case study approach that we have found to be an effective method of fostering discussions and transferring knowledge. Participants will learn by active participation during the program through the use of individual exercises, questionnaires, team exercises, training videos and discussions of “real life” issues in their organizations. The material has been designed to enable delegates to apply all of the material with immediate effect back in the workplace.