



Advanced Hydrocarbon Production and Operations Training

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Hydrocarbon Production Course Overview:

This extensive training program is designed to offer an integrated perspective on hydrocarbon production and related facilities throughout a reservoir's life cycle. Participants will gain not only a fundamental understanding of oilfield production equipment but also the tools and knowledge to understand fluid behavior from the reservoir to end-users. The course emphasizes the calculation of reserves and fluid properties, making it a vital training course for oil and gas industry professionals.

Target Audience:

- Technologists
- Mechanical Engineers
- Safety and Inspection Engineers
- Operations, Maintenance or Project Engineers
- Anyone requiring a broad understanding of hydrocarbon exploration and production

Targeted Organizational Departments:

- Engineering
- Safety and Inspection
- Operations and Maintenance
- Project Management
- Research and Development

Targeted Industries:

- Oil and Gas
- Energy
- Mining
- Environmental Services
- Consultancy Firms

Course Offerings:

By the end of this training course for the oil and gas industry, participants will be able to:

- Understand both upstream and downstream operations.
- Explore global oil & gas statistics.
- Learn various methods for hydrocarbon production.
- Understand oil & gas operations from wellhead to refinery.

Training Methodology:

This course adopts a multi-faceted approach to training, incorporating lectures, interactive sessions, case studies, and group work. Feedback sessions are woven throughout the course to ensure ongoing progress and quality of understanding, thereby making this one of the most dynamic training courses in the oil and gas industry.

Course Toolbox:

- Workbooks
- Reading materials on oil and gas industry trends
- Checklists and templates for project planning and operation

Course Agenda:

Day 1: Introduction to Hydrocarbon Industry

- Topic 1: Global Energy Statistics
- Topic 2: Hydrocarbon Exploration and Production Overview
- Topic 3: Upstream Operations
- Reflection & Review: Recap and Q&A



Day 2: Hydrocarbon Properties

- Topic 1: Rock Properties & Reservoir Simulation
- Topic 2: Oil & Gas Production
- Topic 3: Reservoir Drive Mechanisms
- Reflection & Review: Recap and discussion

Day 3: Downstream Operations

- Topic 1: Production Manifolds & Separation
- Topic 2: Oil Treatment & Storage
- Topic 3: Gas Treatment & Processing
- Reflection & Review: Summary and Interactive Q&A

Day 4: Heat Exchangers and Measurement

- Topic 1: Pipeline Operation & Control
- Topic 2: Pumps & Compressors
- Topic 3: Refinery Operations
- Reflection & Review: Review of learning points and discussion

Day 5: The Role of Technology & Safety

- Topic 1: Safety Protocols & Accident Prevention
- Topic 2: Corrosion Protection
- Topic 3: Petroleum Economics & Risk Analysis
- Reflection & Review: Final recap and course evaluations

How This Course is Different:

What sets this course apart from other oil and gas industry training courses is its comprehensive nature, covering both upstream and downstream operations. This is the go-to training course for professionals aiming for a 360-degree understanding of the oil and gas industry



Training Course Categories

Agile PM and Project Management Training Courses

Certified Courses By International Bodies

Communication and Public Relations Training Courses

Data Analytics Training and Data Science Courses

Environment & Sustainability Training Courses

Finance and Accounting Training Courses

Governance, Risk and Compliance Training Courses

Human Resources Training and Development Courses

IT Security Training & IT Training Courses

Leadership and Management Training Courses

Legal Training, Procurement and Contracting Courses

Maintenance Training and Engineering Training Courses

Marketing, Customer Relations, and Sales Courses

Occupational Health, Safety and Security Training Courses

Oil & Gas Training and Other Technical Courses

Personal & Self-Development Training Courses

Quality and Operations Management Training Courses

Secretarial and Administration Training Courses

Training Cities

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UAE

Accra

Ghana

Al Jubail

Saudi Arabia

Amman

Jordan

Amsterdam

Netherlands

Athens

Greece

Baku

Azerbaijan

Bali

Indonesia

Bangkok

Thailand

Barcelona

Spain

Berlin

Germany

Cairo

Egypt

Cape town

South Africa

Casablanca

Morocco

Chicago

USA

Doha

Qatar

Dubai

UAE

Frankfurt

Germany

Geneva

Switzerland

Istanbul

Turkey

Jakarta

Indonesia

Johannesburg

South Africa

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Kuwait

Kuwait

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