



# The Ultimate Hydrocarbon Production Training Course

02 - 06 Nov 2025  
Johannesburg

# The Ultimate Hydrocarbon Production Training Course

**Ref.:** 4\_10439 **Date:** 02 - 06 Nov 2025 **Location:** Johannesburg **Fees:** 6000 **Euro**

## 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



**Finance and Accounting Training Courses**



**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**



**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**



# Training Course Categories



**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**





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## Training Cities



**Accra - Ghana**



**Amman - Jordan**



**Amsterdam -  
Netherlands**



**Athens - Greece**



**Baku - Azerbaijan**



**Bali - Indonesia**



**Bangkok - Thailand**



**Barcelona - Spain**



**Cairo - Egypt**



**Cape town - South  
Africa**



**Casablanca -  
Morocco**



**Chicago - USA**



**Doha - Qatar**



**Dubai - UAE**



**Geneva -  
Switzerland**



**Istanbul - Turkey**



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## Training Cities



**Jakarta - Indonesia**



**Johannesburg - South Africa**



**Kuala Lumpur - Malaysia**



**Kuwait - Kuwait**



**Langkawi - Malaysia**



**London - UK**



**Madrid - Spain**



**Manama - Bahrain**



**Milan - Italy**



**Montreux - Switzerland**



**Munich - Germany**



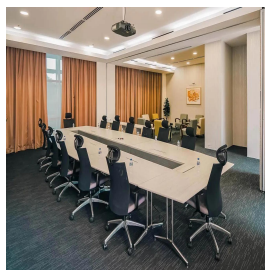
**Muscat - Oman**



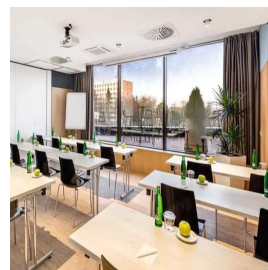
**Nairobi - Kenya**



**Paris - France**



**Phuket - Thailand**



**Prague - Czech Republic**





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## Training Cities



**Rome - Italy**



**San Diego - USA**



**Sharm El-Sheikh -  
Egypt**



**Tbilisi - Georgia**



**Tokyo - Japan**



**Trabzon - Turkey**



**Vienna - Austria**



**Zanzibar - Tanzania**



**Zoom - Online  
Training**

# WHO WE ARE

Agile Leaders is a renowned training center with a team of experienced experts in vocational training and development. With 20 years of industry experience, we are committed to helping executives and managers replace traditional practices with more effective and agile approaches.

## OUR VISION

We aspire to be the top choice training provider for organizations seeking to embrace agile business practices. As we progress towards our vision, our focus becomes increasingly customer-centric and agile.

## OUR MISSION

We are dedicated to developing value-adding, customer-centric agile training courses that deliver a clear return on investment. Guided by our core agile values, we ensure our training is actionable and impactful.

## WHAT DO WE OFFER

At Agile Leaders, we offer agile, bite-sized training courses that provide a real-life return on investment. Our courses focus on enhancing knowledge, improving skills, and changing attitudes. We achieve this through engaging and interactive training techniques, including Q&As, live discussions, games, and puzzles.



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