



Advanced Flow Measurement: Next-Level Oil and Gas Industry Training Courses

20 - 24 Dec 2026
Johannesburg



AGILE LEADERS
Training Center



Advanced Flow Measurement: Next-Level Oil and Gas Industry Training Courses

Ref.: 1_70400 **Date:** 20 - 24 Dec 2026 **Location:** Johannesburg **Fees:** 6000 **Euro**

Course Overview:

In this intensive course, participants will dive deep into the intricacies of accurate flow measurement within the oil and gas industry. This unique training experience goes beyond traditional oil and gas training courses, offering actionable insights into process piping engineering, pneumatic devices, and advanced flow measurement techniques. Designed for professionals in various disciplines, the course promotes practices that ensure long-lasting skills, surpassing the offerings of other oil and gas online training courses.

Target Audience:

- Facility Operators
- Maintenance Engineers
- Instrumentation Personnel
- Quality Control and Procurement Staff

This course is tailored to address skills gaps in oil and gas accounting training courses and oil and gas safety training certification courses.

Targeted Organizational Departments:

- Operations
- Maintenance
- Quality Control
- Procurement

Targeted Industries:

- Oil and Gas Sector
- Energy Companies
- Petrochemical Companies

This course addresses the specific challenges and regulatory requirements of these industries.

Course Offerings:

By the end of this course, participants will be able to:

- Understand legal and commercial metering requirements in oil and gas.
- Evaluate types and applications of Flowmeters, focusing on custody transfer.
- Master flow measurement proving and calibration techniques.

Training Methodology:

Participants will engage in a blend of theoretical lessons, case studies, group work, and interactive sessions. We incorporate feedback sessions and utilize tools exclusive to our oil and gas industry training courses to facilitate effective learning.

Course Toolbox:

- Workbooks
- Software for Flow Measurement Analysis
- Online Resources for oil and gas industry training courses
- Checklists and Templates

Course Agenda:



Day 1: Introduction and Basics

- Topic 1: Overview of Oil and Gas Systems
- Topic 2: Introduction to Fiscal Metering
- Topic 3: The Role of Operators in Oil and Gas Gathering
- Topic 4: Importance of Accurate Flow Measurement
- Reflection & Review: Summation and Q&A

Day 2: Instrumentation and Primary Measurements

- Topic 1: Types of Flowmeters and Their Applications
- Topic 2: Introduction to Pipework and Valving
- Topic 3: Primary Instrumentation for Flow Measurement
- Topic 4: Legal Requirements for Metering
- Reflection & Review: Summation and Q&A

Day 3: Advanced Topics in Flow Measurement

- Topic 1: Principles of Calibration and Proving
- Topic 2: Importance of Measurement Accuracy
- Topic 3: Techniques for Calculating Uncertainty
- Topic 4: Methods of Flow Measurement Traceability
- Reflection & Review: Summation and Q&A

Day 4: Gas Quality and Chromatography

- Topic 1: Introduction to Gas Quality Measurement
- Topic 2: Gas Sampling and Conditioning Systems
- Topic 3: Introduction to Gas Chromatography
- Topic 4: Calibration and Maintenance of Gas Chromatographs
- Reflection & Review: Summation and Q&A



Day 5: Computer Systems and Safety Protocols

- Topic 1: Overview of Hardware and Software in Metering Systems
- Topic 2: Introduction to Supervisory Computer Systems
- Topic 3: Metering Panel Auxiliary Equipment
- Topic 4: Safety Protocols and Emergency Procedures
- Reflection & Review: Course Summary, Q&A, and Certificates Distribution

How This Course is Different from Other Oil And Gas Training Courses

Unlike other oil and gas training courses, this course offers a multifaceted approach that integrates legal, commercial, and technical knowledge. Our unique blend of training methodologies and exclusive toolbox ensures that your skills keep on working long after the course has ended.

Training Course Categories



Agile PM and Project Management Training Courses



Certified Courses By International Bodies



Communication and Public Relations Training Courses



Continues Professional Development (CPD) Certified Courses



Data Analytics Training and Data Science Courses



Environment & Sustainability Training Courses



Finance and Accounting Training Courses



Governance, Risk and Compliance Training Courses



HR TRAINING & DEVELOPMENT

Human Resources Training and Development Courses



IT Security Training & IT Training Courses



Leadership and Management Training Courses



PROCUREMENT LEGAL TRAINING CONTRACTING COURSES

Legal Training, Procurement and Contracting Courses

Training Course Categories



Maintenance Training and Engineering Training Courses



Marketing, Customer Relations, and Sales Courses



Occupational Health, Safety and Security Training Courses



Personal & Self-Development Training Courses



Quality and Operations Management Training Courses



Secretarial and Administration Training Courses



Training Cities



Accra - Ghana



Al Jubail - Saudi Arabia



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



Training Cities



Istanbul - Turkey



Jakarta - Indonesia



**Johannesburg -
South Africa**



**Kuala Lumpur -
Malaysia**



Kuwait - Kuwait



**Langkawi -
Malaysia**



London - UK



Madrid - Spain



Manama - Bahrain



Marbella - Spain



Milan - Italy



**Montreux -
Switzerland**



Munich - Germany



Muscat - Oman



Nairobi - Kenya



Nice - France



Training Cities



Paris - France



Phuket - Thailand



Prague - Czech Republic



Riyadh - Saudi Arabia



Rome - Italy



San Diego - USA



Seoul - South Korea



Sharm El-Sheikh - Egypt



Tashkent - Uzbekistan



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.



AGILE LEADERS
Training Center

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