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Specialist Knowledge | Extraordinary Results

Training Overview
2020

AeonX E&P Learning

AeonX technical staff and global partners are seasoned E&P professionals with extensive international experience. We enjoy sharing our technical expertise and practical knowledge of the E&P industry with colleagues while ensuring high standards and quality of technical work. This makes us excellent teaching experts with a goal to always provide value.

We provide technical training and competency development in various disciplines within the oil and gas industry with more focus on practice rather than theory. Our training course courses include a wide range of subsurface and surface engineering courses which cover drilling and completions, reservoir engineering, production technology, reservoir and production management, PVT analyses, Petrophysics, Geology and geophysics, Production operations, Planning and scheduling, Petroleum economics, Green and Brown field development, Management and business courses etc.

Our courses range from standard five-day courses for fundamentals up to advanced and mastery level courses such as 6-week "Field development planning" course aimed at EP staff with several years of experience.

In house competencies can also be enhanced through structured internal training courses and cross functional workshops suited to your company using experienced facilitators. We review each organisation's competency development goals and focus areas and develop bespoke courses to improve capabilities.

Our training courses and workshops are provided over **5 days** unless indicated and can be provided in house or at any location of choice around the world.

Training Course Overview

1 MANAGEMENT COURSES

- 1.1 Masterclass in Petroleum Project Planning and Management
- 1.2 Masterclass in Hydrocarbon Maturation
- 1.3 Masterclass in Opportunity Framing and Concept Identification
- 1.4 Masterclass in Investment Strategy
- 1.5 Masterclass in Upstream Economics and Management
- 1.6 Masterclass in Oil and Gas Business Developments, Acquisitions and Divestments
- 1.7 Masterclass in Oil and Gas Fields Unitization
- 1.8 Masterclass in OPEX Optimisation and Cost Efficiency
- 1.9 Masterclass in Availability and Reliability
- 1.10 Essential Skills for Oil and Gas Managers
- 1.11 Managing Project Risks in Oil and Gas Industry

2 GENERAL

- 2.1 Introduction to the E&P Business
- 2.2 Basic Petroleum Geology
- 2.3 Basic Petroleum Engineering
- 2.4 Introduction to Reservoir Management
- 2.5 Introduction to Oil Production and Processing Facilities
- 2.6 Introduction to Corrosion Monitoring in the Oil and Gas Industry
- 2.7 Introduction to Renewable Energy Systems
- 2.8 Integrated Field Development Planning

3 EXPLORATION

- 3.1 Depositional Systems and Reservoir Distribution
- 3.2 Prospect Evaluations, Risk and Volumes
- 3.3 Play-Based Exploration
- 3.4 Fundamentals of Hydrocarbon Exploration

- 3.5 Petroleum Systems Analysis and Modelling
- 3.6 Exploration in Carbonate Reservoirs and Targets in Mediterranean Basin

4 LABORATORY

- 4.1 Fundamentals of PVT Analysis
- 4.2 Fundamentals of Routine Core Analysis (RCA)
- 4.3 Fundamentals of Special Core Analysis (SCAL)
- 4.4 NMR Training Course

5 GEOLOGY

- 5.1 Geological Core Evaluation
- 5.2 Sediment Petrography and Reservoir Quality Evaluation
- 5.3 Niche Skills: Short Courses on XRD and SEM
- 5.4 Structural Geology and Geomechanics
- 5.5 Development Geology
- 5.6 Operations Geology
- 5.7 Clastic Reservoir Characterisation
- 5.8 Carbonate reservoir Characterisation
- 5.9 Sedimentology and Depositional Environments of Deep-water Deposits
- 5.10 Petroleum Geochemistry
- 5.11 Faults, Fractures, and Seals in Petroleum Reservoirs
- 5.12 Subsurface Mapping
- 5.13 Clastic Sequence Stratigraphy and Sedimentation
- 5.14 Applied Geostatistics
- 5.15 Wellsite Geology & Operations
- 5.16 Basics of Borehole Image Interpretations
- 5.17 Structural Interpretation of Seismic Data in Fold and Thrust Belts

6 GEOLOGICAL FIELD TRIPS

- 6.1 Turbidite Field Course, SE Spain
- 6.2 Ardennes Field Trip
- 6.3 Utah – Book Cliffs: Development Geology Field Seminar
- 6.4 Carbonates Field Course, Italy

7 GEOPHYSICS

- 7.1 Basic Geophysics
- 7.2 Seismic Interpretation Fundamentals
- 7.3 Advanced Seismic Interpretation
- 7.4 Seismic Sequence Stratigraphy
- 7.5 Advanced Seismic Data Acquisition and Processing
- 7.6 Quantitative Reservoir Characterisation
- 7.7 Quantitative Seismic Interpretation
- 7.8 Non-Seismic Data Acquisition and Processing
- 7.9 Basic Geophysical Data Acquisition and Processing
- 7.10 Seismic Data Interpretation and Modelling of Fractured Reservoirs

8 PETROPHYSICS

- 8.1 Applied Petrophysics (basic)
- 8.2 Applied Petrophysics (advanced)

9 RESERVOIR ENGINEERING

- 9.1 Basic Reservoir Engineering
- 9.2 Advanced Reservoir Engineering
- 9.3 Reservoir Engineering for Other Disciplines
- 9.4 Reserves and Resources Assessment
- 9.5 Maximising Asset Value through focused well and reservoir management

10 PRODUCTION TECHNOLOGY

- 10.1 Advanced Completion Design
- 10.2 Fundamentals of Sand Control Design and Optimisation
- 10.3 Advanced Sand Control Design and Implementation
- 10.4 Master Class in Well Integrity Management
- 10.5 Master Class in Artificial Lift Technology
- 10.6 Production Optimisation and Integrated Asset Modelling

11 OPERATIONS

- 11.1 Advanced Operations Management – Gas Processing
- 11.2 Advanced Corrosion Management and prevention of Failure
- 11.3 Advanced Gas Turbine Operations and Maintenance
- 11.4 Pipeline pigging – Technical and Operational Aspects
- 11.5 Advanced HAZOP Analysis and Managing HAZOP Close Out
- 11.6 Major Accident Hazards Identification, Causes and Consequences, Advanced Fault Trees, Event Trees and Bow-Tie analysis for Process Safety
- 11.7 Masterclass in Maintenance Management, Planning, Scheduling and Work Control
- 11.8 Masterclass in Pipeline Inspection and Pipeline Integrity Management
- 11.9 Leading Root Cause Failure Analysis and API 580 Risk-Based Inspection
- 11.10 Quantitative Risk Assessment for Technical Safety Leaders and Leading HAZOP