



aeon*X*

Specialist Knowledge | Extraordinary Results

Training Programmes (Business, Planning & Management)

2026

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 to always provide value.

We provide technical training and competency development in various disciplines within the oil and gas industry, with a focus on practice alongside the theory. Our training 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, Operation and leadership courses, etc.

Our courses range from standard five-day courses for fundamentals up to advanced and mastery level courses, such as a 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 delivered locally or internationally – UK, USA, UAE, Spain, Netherlands, Italy, France, Singapore, Thailand, etc.

Training Course Overview

Our Business, Planning, and Management courses were designed to provide advanced, mastery-level knowledge required to drive strategic decision-making, value creation, and sustainable growth within the oil and gas industry. The courses span petroleum project management, investment strategy, business development, opportunity framing, cost optimization, data science for business leadership, governance risk, and project risk management. Each course is grounded in E&P challenges in real-world and industry best practices.

ADVANCED COURSES

1 Masterclass in Petroleum Project Planning and Management

This masterclass is designed for project managers, technical leads, and senior engineers responsible for planning, executing, and managing complex oil and gas projects across the full project lifecycle. Participants will learn how to align technical delivery with business objectives while trying to manage risks, costs and the expectations of stakeholders.

Some of the topics to be covered in this include;

- Oil and gas project lifecycle: phases, gate reviews, and Final Investment Decision
- Project sanctioning and approval processes (PSAP) in the E&P
- Front-End Loading (FEL) and concept selection methodologies
- Development of the strategic project business case
- Work Breakdown Structure (WBS), scheduling tools, and Critical Path Method (CPM)
- Resource planning, cost estimation, and budget management

- Project risk identification, assessment, and response planning
- Earned Value Management (EVM) for project performance tracking
- Stakeholder management, communication planning, and reporting
- Contract strategy and contractor management in oil and gas projects
- Change management and project control in dynamic environments
- Project close-out, lessons learned, and post-project value assurance

2 Advanced Petroleum Economics, Investment Strategy and Management.

Professionals in finance, economics, planning, and senior technical staff are provided with the internal analytical skills necessary to assess petroleum investment opportunities, oversee portfolio performance, and facilitate high-stakes commercial decision-making through this advanced course.

Additionally, the course also provides participants with an understanding of economic evaluation and investment decision-making in the oil and gas industry. The participant will develop knowledge on how to assess project value, manage uncertainties and optimize investment portfolios.

Topics covered in this course include;

- Fundamentals of petroleum economics: cash flow, profitability indicators (NPV, IRR, PI, payback)
- Time value of money and discounted cash flow (DCF) modelling
- Royalty/tax systems and production sharing contract (PSC) mechanics
- Investment decision-making criteria and capital allocation frameworks

- Risk and uncertainty analysis: Monte Carlo simulation, decision trees, and sensitivity analysis
- E&P; portfolio analysis, optimisation, and management
- Oil and gas price forecasting and commodity price risk management
- Project economics under different fiscal and operational scenarios.
- Economic evaluation of exploration, appraisal, and development opportunities
- Petroleum asset valuation techniques for acquisition and divestment
- Strategic investment planning in a low-carbon and energy transition environment

3 Masterclass in Oil and Gas Business Development, Acquisition and Divestment

The strategic growth of the oil and gas industry through asset acquisition, partnerships, and divestment procedures is one of the main topics which will be discussed in this masterclass. Participants will gain knowledge on how to identify opportunities, execute transactions, and maximize asset value.

Some of the topics to be covered in this course include;

- Business development strategies in oil and gas
- Portfolio strategy: growth, optimisation, and portfolio rebalancing
- Opportunity identification, screening, and prioritisation frameworks
- Technical due diligence: reserves assessment, subsurface evaluation, and asset characterisation
- Asset valuation and commercial due diligence.
- Asset valuation methodologies
- Negotiation strategies and deal structuring
- Joint venture governance and partnership management

- Regulatory approvals, legal considerations and governance relations
- Post-acquisition integration and value delivery planning
- Divestment planning and execution

4 Masterclass in Opportunity Framing and Concept Identification

The participants gain advanced skills in identifying, framing and maturing business and technical opportunities from early concepts to feasible development options. Participants will develop skills in establishing an opportunity's value proposition, determining the key uncertainties that drive value, and selecting the most promising development concepts for evaluation and approval. The course combines structured decision-quality frameworks with practical workshop exercises reflecting real E&P asset scenarios.

Some topics to be covered include the following;

- The role of opportunity framing in the E&P
- Principles of structured decision-making under uncertainty
- Stakeholder alignment and framing workshops
- Identifying and characterising key uncertainties and value-of-information (VOI) analysis
- Concept generation and evaluation
- Pre-FEED concept evaluation and basis of design development
- Integration of technical, commercial, and strategic inputs in concept selection
- Uncertainty management in early project stages
- Multi-disciplinary collaboration and alignment
- Case studies in concept development.

5 Masterclass in OPEX Optimization and Cost Efficiency

The strategies and tools for reducing operational expenditure (OPEX) while maintaining safety, reliability and production performance are the main focus of this masterclass. Without compromising production performance, safety, or dependability, the course provides a comprehensive, structured approach to OPEX analysis, cost reduction, and sustainable efficiency improvement without compromising safety, reliability, or production performance.

Some topics to be covered include the following;

- OPEX structure and cost drivers in oil and gas operations
- Cost optimization frameworks and methodologies
- Production efficiency improvement and deferment reduction strategies
- Organisational design and workforce optimisation in asset operations
- Procurement and contract strategy for OPEX cost management
- Digital and technology solutions for OPEX reduction (predictive maintenance, remote operations)
- OPEX budgeting, forecasting, and variance analysis
- Sustainability and energy efficiency contributions to cost reduction
- Building a cost-conscious culture: leadership, governance, and performance accountability

6 Data Science and Interpretation for Business Leaders

This advanced programme is designed for business leaders, senior managers, and decision-makers who need to understand, interpret, and strategically deploy data science within their organisations. Delivered across five integrated modules, the course builds from foundational data science literacy through to the organisational leadership skills required to embed data-driven decision-making as a core business capability.

Participants will gain the confidence to sponsor data initiatives, engage with technical teams, and lead the implementation of data science strategies that deliver measurable business value in the oil and gas sector.

Some topics to be covered include the following;

- Foundations of data science for business leadership
- Role of data in strategic decision-making
- Data collection, preparation, and governance
- Data quality and data management frameworks
- Introduction to machine learning for business applications
- Predictive analytics and decision support systems
- Communicating data insights to stakeholders
- Data visualization and storytelling techniques
- Implementing data-driven strategies across business functions
- Organizational adoption of data science capabilities

7 Fundamentals of Governance, Risk and Strategic Oversight (FGRSO)

Participants will develop a structured and practical understanding of governance frameworks, risk oversight, and strategic alignment within organizations. This course will also equip participants with the necessary skills required to support board-level decision-making and enhance organizational resilience.

Some topics to be covered include the following;

- Foundations of governance and compliance structures
- Role of governance and digital technologies (including AI) in oversight
- Risk management principles within governance systems
- Business models and strategic thinking frameworks
- Risk-based decision-making support
- Principles and components of effective governance

(internal and external context)

- Risk appetite definition and oversight
- Regulatory and economic landscape considerations
- Governance culture and organizational alignment
- Governance maturity and board effectiveness
- Risk management foundations and frameworks
- Transition from qualitative to quantitative risk assessment
- Risk management processes and methodologies
- Introduction to risk quantification techniques
- Strategic risk management and value protection
- Scenario planning and stress testing
- Emerging risks and capital allocation decisions
- Monitoring, evaluation, and performance tracking
- Advanced topics including cybersecurity, ESG, and business continuity
- Integration of data science and AI in governance systems

8 Fundamentals of Project Risk Management (FPRM)

Managing uncertainty effectively in complex oil and gas project is the focus of this course. Participants gain a comprehensive understanding of project risk management which combines theoretical frameworks with practical applications.

Some topics to be covered include the following:

- Fundamentals of project management and risk analysis
- Key concepts in project and risk management
- Team collaboration and stakeholder engagement
- Case study applications
- Project planning techniques, including scope definition and scheduling
- Activity-Based Scheduling (ABS) and Cost Analysis (ABC)
- Resource planning and project structuring
- Project network modeling
- Dynamic risk management and probabilistic analysis
- Monte Carlo simulation and decision analytics
- Risk profiling and strategy development

- Decision-making support tools and contingency planning
- Contract management and managerial flexibility
- Program vs project management approaches
- Practical group project and industry case applications
- Real-world scenarios (e.g., plant or infrastructure projects)
- Final assessment, reporting, and presentations

