



*Training Course:
E&P Value Chain and Business Fundamentals*

*5 - 9 October 2026
Kigali (Rwanda)*

Training Course: E&P Value Chain and Business Fundamentals

Training Course code: SC236538 From: 5 - 9 October 2026 Venue: Kigali (Rwanda) - Training Course Fees: 6875 € Euro

Introduction

The Exploration and Production E&P sector forms the foundation of the oil and gas industry, encompassing activities from hydrocarbon exploration and resource evaluation to field development, production, and asset management. Understanding the E&P value chain is essential for professionals seeking to enhance business performance, optimize decision-making, and maximize value creation in a highly competitive and evolving energy landscape.

This program provides participants with a comprehensive understanding of the upstream oil and gas business, covering technical, operational, commercial, financial, and strategic aspects of the E&P value chain. The course bridges the gap between technical operations and business management, enabling participants to make informed decisions that contribute to organizational success.

Objectives

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

- Understand the structure and components of the E&P value chain.
- Explain the key activities involved in exploration, appraisal, development, and production.
- Identify the operational, commercial, and financial drivers of E&P performance.
- Analyze the economics of upstream oil and gas projects.
- Evaluate investment opportunities and business risks in E&P operations.
- Understand contracts, fiscal regimes, and commercial frameworks in the petroleum industry.
- Assess the impact of digital transformation, sustainability, and energy transition on E&P businesses.
- Apply strategic business principles to enhance value creation and asset performance.

Target Audience

- Petroleum Engineers
- Geologists and Geophysicists

- Production and Operations Engineers
- Asset and Field Managers
- Finance and Commercial Professionals
- Business Development Specialists
- Project Managers
- Procurement and Supply Chain Personnel
- Government and Regulatory Officials
- Professionals seeking a broader understanding of the upstream oil and gas business

Outline

Day 1: Overview of the E&P Industry and Value Chain

- Global Oil and Gas Industry Structure
- Introduction to the Upstream Sector
- Components of the E&P Value Chain
- Industry Stakeholders and Business Models
- Energy Markets and Industry Trends
- Key Success Factors in E&P Businesses

Day 2: Exploration, Appraisal, and Resource Development

- Petroleum Systems and Hydrocarbon Formation
- Exploration Processes and Prospect Identification
- Seismic Surveys and Geological Evaluation
- Resource Classification and Reserve Estimation
- Appraisal Activities and Field Evaluation
- Exploration Risk and Opportunity Assessment

Day 3: Field Development and Production Operations

- Field Development Planning Fundamentals
- Drilling and Well Construction Overview
- Production Systems and Surface Facilities
- Production Optimization and Asset Integrity
- Health, Safety, and Environmental Considerations
- Operational Excellence in E&P Activities

Day 4: E&P Economics, Commercial, and Financial Fundamentals

- Petroleum Economics and Value Creation
- Capital and Operating Cost Structures
- Revenue Generation and Production Forecasting
- Investment Evaluation Techniques
- Fiscal Regimes, Royalties, and Taxation
- Petroleum Contracts and Commercial Agreements

Day 5: Strategic Management and Future of E&P Business

- Integrated Asset and Portfolio Management
- Risk Management and Business Decision-Making
- Digital Transformation in E&P Operations
- Sustainability and ESG in the Energy Sector
- Energy Transition and Future Industry Challenges
- Building Long-Term Value and Competitive Advantage

Registration form on the Training Course: E&P Value Chain and Business Fundamentals

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