Oil and Gas Value Chain Analysis and Development Training Course

Professional Development Training Course Outline

Category	Oil and Gas	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Oil and Gas Value Chain Analysis and Development Training Course is designed to equip professionals with advanced skills in exploration, production, refining, distribution, and market optimization across the global petroleum sector. This program focuses on strategic operations, cost efficiency, sustainability, and competitive positioning, ensuring participants can identify opportunities and mitigate risks within the upstream, midstream, and downstream value chain. Participants will master the economic, technical, and environmental factors influencing oil and gas project success.

With industry-specific methodologies, real-life case studies, and global best practices, the training provides deep insights into supply chain optimization, digital transformation in oil and gas, market analysis, and integrated project management. By the end, participants will be capable of implementing value-driven strategies that enhance operational performance, foster innovation, and align with emerging energy transition trends.

Programme Curriculum

Oil and Gas Value Chain Analysis and Development Training Course

Introduction

Oil and Gas Value Chain Analysis and Development Training Course is designed to equip professionals with advanced skills in exploration, production, refining, distribution, and market optimization across the global petroleum sector. This program focuses on strategic operations, cost efficiency, sustainability, and competitive positioning, ensuring participants can identify opportunities and mitigate risks within the upstream, midstream, and downstream value chain. Participants will master the economic, technical, and environmental factors influencing oil and gas project success.

With industry-specific methodologies, real-life case studies, and global best practices, the training provides deep insights into supply chain optimization, digital transformation in oil and gas, market analysis, and integrated project management.

By the end, participants will be capable of implementing value-driven strategies that enhance operational performance, foster innovation, and align with emerging energy transition trends.

Course Objectives

1. Analyze oil and gas value chain stages for operational improvement.
2. Evaluate upstream, midstream, and downstream integration strategies.
3. Apply global oil market trends to strategic decision-making.
4. Implement energy transition and decarbonization initiatives in operations.
5. Optimize supply chain and logistics for cost efficiency.
6. Use digital transformation tools for operational excellence.
7. Assess project economics and investment viability in oil and gas.
8. Enhance risk management and compliance frameworks.
9. Improve refining, processing, and distribution efficiency.
10. Apply market intelligence and price forecasting techniques.
11. Strengthen stakeholder engagement and value delivery.
12. Integrate sustainability and ESG strategies into operations.
13. Develop competitive advantage through innovation.

Target Audience

1. Oil and Gas Engineers
2. Petroleum Economists
3. Energy Sector Policy Makers
4. Oil and Gas Project Managers
5. Supply Chain and Logistics Managers
6. Refinery Operations Managers
7. Investment Analysts in Energy Sector
8. ESG and Sustainability Officers in Oil and Gas

Course Duration: 5 days

Course Modules

Module 1: Introduction to Oil and Gas Value Chain

- Overview of upstream, midstream, and downstream processes
- Key players in the oil and gas industry
- Value creation opportunities across the chain
- Impact of geopolitical and economic factors
- Sustainability and emerging energy trends
- **Case Study:** ExxonMobil’s integrated value chain strategy

Module 2: Upstream Exploration and Production Analysis

- Geological and geophysical exploration methods
- Reservoir engineering and drilling technologies
- Cost analysis in exploration and production
- Risk assessment in upstream projects
- Integration with midstream operations
- **Case Study:** BP’s North Sea exploration success

Module 3: Midstream Operations and Logistics Optimization

- Transportation and storage infrastructure

- Pipeline network planning and management
- Liquefied Natural Gas (LNG) handling and shipping
- Supply chain visibility and tracking technologies
- Reducing operational bottlenecks
- **Case Study:** QatarGas LNG export logistics model

Module 4: Downstream Refining and Marketing Strategies

- Refining process optimization
- Petrochemical integration opportunities
- Pricing strategies for refined products
- Distribution network management
- Marketing and retail innovations
- **Case Study:** Shell’s retail network expansion strategy

Module 5: Oil and Gas Market Analysis and Forecasting

- Global oil market dynamics and pricing factors
- Demand and supply forecasting models
- OPEC and non-OPEC influences
- Commodity trading strategies
- Price volatility management
- **Case Study:** 2020 oil price crash impact analysis

Module 6: Energy Transition and ESG in Oil and Gas

- Renewable integration strategies
- Carbon capture, utilization, and storage (CCUS)
- Environmental compliance and reporting
- Social and governance frameworks
- ESG-driven investment opportunities
- **Case Study:** TotalEnergies’ carbon neutrality roadmap

Module 7: Digital Transformation in Oil and Gas

- IoT applications in oil field operations
- AI and predictive analytics for maintenance
- Blockchain for supply chain transparency
- Digital twin technology in asset management
- Cybersecurity in oil and gas operations
- **Case Study:** Chevron’s AI-driven predictive maintenance

Module 8: Strategic Value Chain Development

- Identifying growth opportunities across value chain
- Competitive benchmarking and best practices
- Vertical and horizontal integration strategies
- Cross-border operations and partnerships
- Long-term investment and innovation planning
- **Case Study:** Saudi Aramco’s global expansion strategy

Training Methodology

- Interactive presentations and expert-led discussions
- Real-world case studies and group exercises
- Hands-on simulation of oil and gas market scenarios

- Industry benchmarking tools and techniques
- Role-playing and problem-solving workshops

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com