Training Course on Supply Chain and Procurement Optimization in Oil and Gas

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

In today’s volatile energy landscape, optimizing supply chain and procurement strategies is no longer optional—it’s mission-critical. Training Course on Supply Chain & Procurement Optimization in Oil & Gas (O&G) provides in-depth knowledge and actionable tools for professionals in the Oil & Gas (O&G) industry to master procurement intelligence, streamline supply chain processes, mitigate supply risks, and leverage digital transformation technologies for maximum performance and cost efficiency.

This immersive training is tailored for executives and professionals looking to stay ahead in a competitive environment through strategic sourcing, supplier performance management, contract optimization, and digital supply chain innovation. Participants will gain critical skills to support resilience, sustainability, and profitability in complex global operations.

Programme Curriculum

Training Course on Supply Chain & Procurement Optimization in Oil & Gas (O&G)

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Course Objectives

1. Understand advanced supply chain optimization strategies specific to Oil & Gas.
2. Apply strategic procurement planning to reduce costs and drive efficiency.
3. Implement digital transformation in supply chain using AI, IoT, and data analytics.
4. Develop effective supplier risk management and compliance frameworks.
5. Execute contract lifecycle management best practices.
6. Explore e-procurement solutions for agile sourcing.
7. Integrate sustainability in procurement and logistics practices.
8. Benchmark key performance indicators (KPIs) in procurement and SCM.
9. Leverage blockchain in procurement and logistics for transparency.
10. Master inventory optimization and demand forecasting techniques.
11. Design resilient supply chain models post-COVID-19.
12. Optimize logistics and transportation management in upstream and downstream sectors.
13. Drive collaborative supplier relationship management (SRM).

Target Audience

1. Supply Chain Managers
2. Procurement Professionals
3. Logistics Coordinators
4. Category Managers
5. Strategic Sourcing Leads
6. Operations Managers in O&G
7. Finance and Contract Analysts
8. Digital Transformation Officers in O&G

Course Duration: 5 days

Course Modules

Module 1: Strategic Procurement in O&G

- Procurement lifecycle overview in upstream and downstream sectors
- Strategic sourcing tools and techniques
- Category management strategies
- Total cost of ownership (TCO) modeling
- Collaborative supplier partnerships
- **Case Study:** Chevron’s category management transformation

Module 2: Supply Chain Risk Management

- Identifying critical supply risks in volatile markets
- Building supplier resilience and redundancy
- Regulatory compliance in high-risk regions
- Crisis response planning for logistics disruptions
- Monitoring geopolitical and environmental risks
- **Case Study:** BP's supply chain response to Hurricane Katrina

Module 3: Digital Supply Chain Transformation

- Industry 4.0 in O&G: IoT, AI, and data analytics
- Predictive maintenance and real-time asset tracking
- Procurement automation and e-invoicing
- Cloud-based supply chain management systems
- Blockchain for contract integrity and traceability
- **Case Study:** Shell’s AI-enabled supply chain overhaul

Module 4: Logistics and Transportation Optimization

- Route optimization and cost control
- Modal analysis for upstream vs. downstream logistics
- Managing third-party logistics (3PL) contracts
- Fleet management with telematics
- Inventory in transit (IIT) visibility tools
- **Case Study:** ExxonMobil’s global logistics digitization

Module 5: Supplier Performance & Relationship Management

- Developing supplier scorecards
- Managing supplier performance reviews
- Incentivizing innovation and collaboration
- Conflict resolution and compliance monitoring
- Supplier segmentation strategies
- **Case Study:** TotalEnergies' global SRM initiative

Module 6: Sustainable Supply Chain Practices

- Green procurement policies
- Lifecycle cost analysis (LCCA) for sustainability
- Carbon footprint reduction in logistics
- Sustainable supplier sourcing and audits
- ESG (Environmental, Social, Governance) compliance
- **Case Study:** Equinor’s sustainability procurement blueprint

Module 7: Contract Management in O&G

- Negotiation techniques for high-value contracts

- Legal compliance and regulatory frameworks
- Contract performance monitoring tools
- Managing amendments and contract risks
- Contract automation technologies
- **Case Study:** ConocoPhillips' contract digitization success

Module 8: Demand Forecasting & Inventory Optimization

- Forecasting models for O&G procurement cycles
- Demand planning with big data and machine learning
- Safety stock calculation and optimization
- Inventory turnover improvement techniques
- Working capital optimization in inventory management
- **Case Study:** Halliburton's inventory control transformation

Training Methodology

- Expert-led interactive sessions and live demonstrations
- Real-world case study analysis from global O&G leaders
- Hands-on group exercises and scenario simulations
- Assessment quizzes and feedback discussions
- Access to post-training resources and tools

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