

OIL AND GAS PROCUREMENT AND SUPPLY CHAIN MANAGEMENT

“Driving Strategic Procurement and Logistics Performance in the Oil & Gas Sector”

Schedule

Date	Venue	Fees (Face-to-Face)
04 – 08 May 2026	London, UK	USD 3495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

Procurement and supply chain functions in the oil and gas industry are uniquely complex due to high capital investments, global sourcing, volatile markets, and stringent safety and compliance requirements. Effective supply chain management ensures continuous operations, cost optimization, and risk mitigation across exploration, production, and distribution activities.

This advanced course is tailored for oil and gas professionals involved in procurement, logistics, materials management, and project support. Participants will gain practical insights into category sourcing, supplier evaluation, logistics coordination, inventory control, and the role of digitalization in supply chain transformation within upstream, midstream, and downstream operations.

Objectives

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

- Understand the procurement and supply chain lifecycle in oil & gas operations
- Apply sourcing and contracting strategies aligned with project and operational needs
- Evaluate supplier performance and manage strategic supplier relationships
- Optimize logistics and inventory systems to reduce downtime and costs
- Manage supply risks and ensure compliance with industry regulations

Why Attend

- Gain industry-specific supply chain skills tailored to oil & gas complexities
- Streamline procurement processes and supplier management practices
- Improve coordination between procurement, engineering, and operations
- Learn how to manage materials for projects, turnarounds, and emergencies
- Discover how digital tools and analytics improve supply chain transparency

Target Audience

This program is designed for:

- Procurement, Sourcing, and Contracting Professionals
- Supply Chain and Logistics Managers
- Project Procurement and Materials Coordinators
- Operations, Engineering, and Project Support Personnel
- Finance and Compliance Officers involved in purchasing or supply risk

Individual Benefits

Key competencies that will be developed include:

- Oil & gas procurement planning and execution
- Strategic supplier selection and performance tracking
- Inventory, warehouse, and logistics optimization
- Contract lifecycle and commercial negotiation
- Industry compliance and risk management

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Enhanced procurement efficiency and cost control
- Improved supply chain continuity and asset availability
- Better supplier collaboration and reduced sourcing risk
- Compliance with technical, HSE, and regulatory standards
- Support for capital projects, shutdowns, and operating continuity

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings - Global oil & gas supply chain trends and best practices
- Case Studies - Procurement challenges and logistics scenarios in real projects
- Workshops - Create sourcing plans, risk maps, and logistics solutions
- Peer Exchange - Share sector-specific procurement and logistics insights
- Tools - Contract templates, supplier scorecards, inventory models

Course Outline

Training Hours: 7:30 AM - 3:30 PM Daily Format: 3-4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 - 02:00

Day 1: Oil & Gas Supply Chain Overview

- Module 1: The Supply Chain in Oil & Gas Operations (07:30 - 09:30) • Upstream, midstream, downstream procurement flows
- Module 2: Project vs Operations Procurement (09:45 - 11:15) • Differences in requirements, timelines, and urgency
- Module 3: Spend Categories and Critical Materials (11:30 - 01:00) • Rotating equipment, pipes, chemicals, MRO
- Module 4: Workshop - Map a Project Supply Chain (02:00 - 03:30) • Participants map a supply chain for a field development

Day 2: Strategic Sourcing and Contracting

- Module 5: Supplier Prequalification and Evaluation (07:30 - 09:30) • QHSE, financials, technical capabilities
- Module 6: Tendering and Bid Evaluation (09:45 - 11:15) • RFQ, RFP, bid tabulation, scoring models
- Module 7: Contract Types and Risk Allocation (11:30 - 01:00) • Lump sum, reimbursable, hybrid; liability clauses
- Module 8: Workshop - Evaluate a Bid and Award a Contract (02:00 - 03:30) • Compare supplier offers using bid evaluation criteria

Day 3: Materials Management and Inventory Optimization

- Module 9: Materials Planning and Cataloguing (07:30 - 09:30) • BOMs, materials codes, SAP/ERP systems
- Module 10: Inventory Control and Stock Strategies (09:45 - 11:15) • Reorder levels, safety stock, critical spares
- Module 11: Warehouse and Yard Operations (11:30 - 01:00) • Storage design, traceability, and issuing procedures
- Module 12: Workshop - Reduce Inventory Holding Costs (02:00 - 03:30) • Simulate improvements in MRO stock control

Day 4: Logistics, Transport & Supply Chain Risk

- Module 13: Oil & Gas Logistics Network Planning (07:30 - 09:30) • Multimodal transport, last-mile challenges, remote sites
- Module 14: Import/Export and Customs Management (09:45 - 11:15) • Documentation, INCOTERMS, bonded storage
- Module 15: Managing Supply Chain Disruptions (11:30 - 01:00) • Contingency planning, dual sourcing, emergency procurement
- Module 16: Workshop - Design a Supply Risk Mitigation Plan (02:00 - 03:30) • Participants develop a risk matrix and action plan

Day 5: Supplier Management and Digitalization

- Module 17: Supplier Relationship Management (07:30 - 09:30) • Performance scorecards, collaboration models
- Module 18: Digital Procurement & Industry 4.0 (09:45 - 11:15) • Blockchain, e-sourcing, analytics platforms
- Module 19: Case Study - Supply Chain Failure in Oil & Gas (11:30 - 01:00) • Root cause analysis and recovery
- Module 20: Final Workshop - Build an Integrated Supply Chain Strategy (02:00 - 03:30) • Teams present a holistic supply chain plan

Certification

Participants will receive a Certificate of Completion in Oil and Gas Procurement and Supply Chain Management, validating their ability to manage sourcing, logistics, inventory, and supplier performance across oil and gas industry supply chains.

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