



PROCUREMENT AND SUPPLY CHAIN MANAGEMENT

Integrated Warehouse Management for Oil & Gas Supply Chains

Course code: PSCM-020

SPARK TRAINING

Professional training courses for leaders, specialists, and organizations seeking practical capability development.

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— Workshop Overview

Efficient warehouse management is essential for maintaining operational continuity, minimizing downtime, and optimizing inventory costs across oil and gas operations. This course equips participants with the knowledge and practical skills required to manage warehouse operations, inventory, digital technologies, and performance improvement initiatives while ensuring compliance with industry safety and operational standards.

Why Attend

The course combines instructor-led presentations, practical workshops, case studies, warehouse optimization exercises, group discussions, system demonstrations, and real-world oil and gas supply chain scenarios.

Who Should Attend

Warehouse managers and supervisors
Supply chain and logistics professionals
Inventory controllers and materials coordinators
Procurement professionals
Maintenance and asset management personnel
Operations and logistics engineers
Oil and gas professionals responsible for

— Learning Objectives

- Understand integrated warehouse management principles within oil and gas supply chains
- Optimize inventory planning and materials management strategies
- Improve warehouse layout, storage, and operational efficiency
- Utilize digital warehouse technologies and integrated information systems
- Monitor warehouse performance using appropriate KPIs and analytics
- Strengthen HSE compliance and risk management practices
- Implement continuous improvement initiatives within warehouse operations

Course Outline

**DAY
1**

Fundamentals of Warehouse Management in Oil & Gas

- Understanding the structure of upstream, midstream, and downstream supply chains
- Exploring the strategic role of warehouse management in supporting operational continuity
- Identifying different categories of oil and gas materials, including consumables, spare parts, critical equipment, and hazardous goods
- Understanding integrated warehouse and supply chain management principles
- Reviewing operational challenges affecting warehouse performance in oil and gas facilities
- Identifying risks associated with material availability, storage, and distribution

**DAY
2**

Inventory Planning and Control Strategies

- Applying inventory classification techniques based on value, criticality, and operational importance
- Developing demand forecasting and materials planning strategies
- Establishing optimal inventory levels using safety stock and replenishment methodologies
- Managing slow-moving, obsolete, and surplus inventory effectively
- Improving inventory accuracy through cycle counting and stock verification processes
- Strengthening inventory governance and materials control practices

**DAY
3**

Warehouse Design and Operational Excellence

- Planning warehouse locations and layouts to maximize operational efficiency
- Selecting appropriate storage systems and specialized facilities for hazardous and critical materials
- Optimizing material handling equipment and warehouse workflows
- Managing receiving, inspection, storage, picking, packing, and dispatch operations
- Reducing material handling time and improving warehouse productivity
- Applying best practices for warehouse safety and operational efficiency

**DAY
4**

Digital Warehouse Systems and Technology Integration

- Understanding Warehouse Management Systems (WMS) and enterprise system integration
- Applying digital technologies including RFID, barcode systems, and IoT solutions
- Utilizing warehouse analytics and reporting to improve operational visibility
- Integrating warehouse operations with procurement, maintenance, and logistics functions
- Understanding data quality, cybersecurity, and information integrity within warehouse environments

- Developing digital transformation strategies for warehouse operations

DAY
5

Performance Management, Compliance, and Continuous Improvement

- Developing and monitoring warehouse performance indicators and operational KPIs
- Applying benchmarking techniques to improve warehouse effectiveness

- Ensuring compliance with health, safety, and environmental requirements in warehouse operations
- Managing operational risks and emergency preparedness within storage facilities
- Applying Lean, Six Sigma, and continuous improvement methodologies to warehouse processes
- Final workshop: Developing an integrated warehouse improvement plan for oil and gas supply chain operations

— Upcoming Classroom Dates

DATE	LOCATION	FEE
4 - 8 January 2027	London - United Kingdom	€2,100
1 - 5 February 2027	Kuala Lumpur - Malaysia	€1,400
1 - 5 March 2027	Istanbul - Türkiye	€1,600
5 - 9 April 2027	London - United Kingdom	€2,100
3 - 7 May 2027	Amsterdam - Netherlands	€2,125
7 - 11 June 2027	Frankfurt - Germany	€1,625
5 - 9 July 2027	Istanbul - Türkiye	€1,600
2 - 6 August 2027	Munich - Germany	€2,125

— Certificate and Registration

Participants who attend and complete the full programme receive a SPARK Training Certificate of Completion. For registration, in-house delivery, or availability questions, contact info@sparktraining.eu or +31 85 115 0004.