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PROCUREMENT AND SUPPLY CHAIN MANAGEMENT | PSCM-020

Integrated Warehouse Management for Oil & Gas Supply Chains

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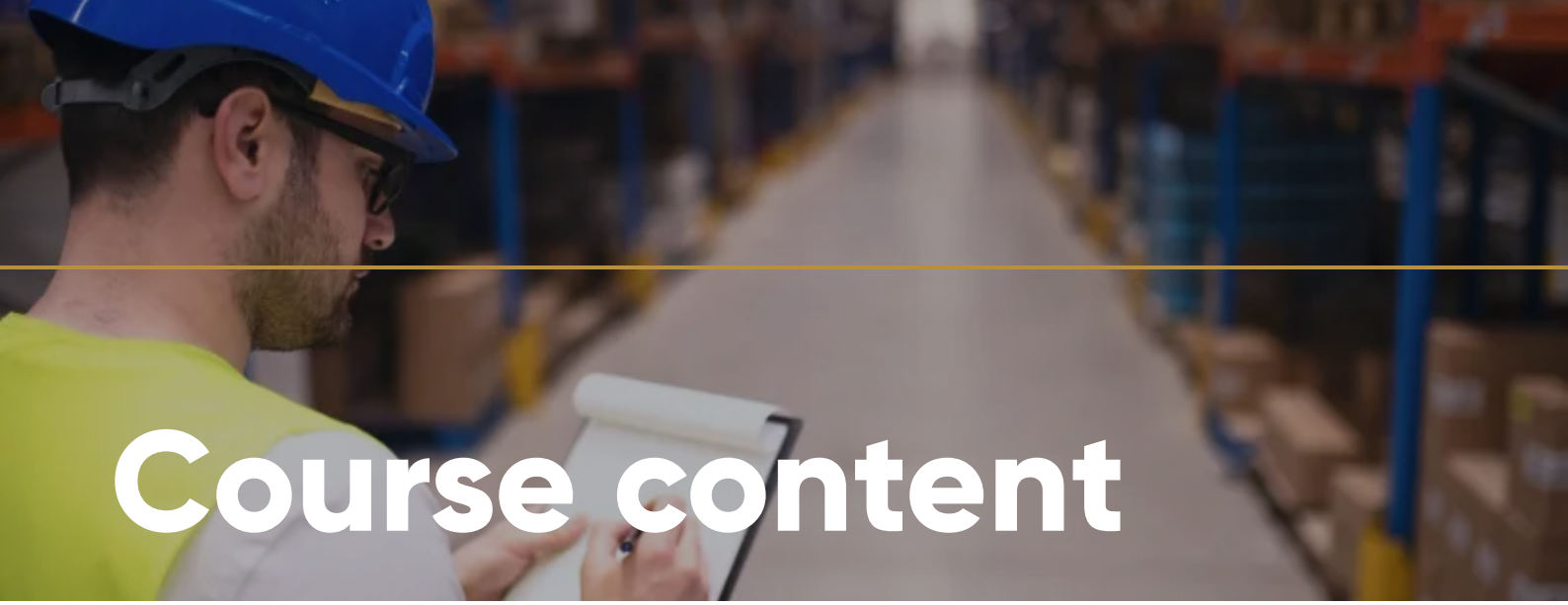


Course content

Why Attend

Why Attend 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.

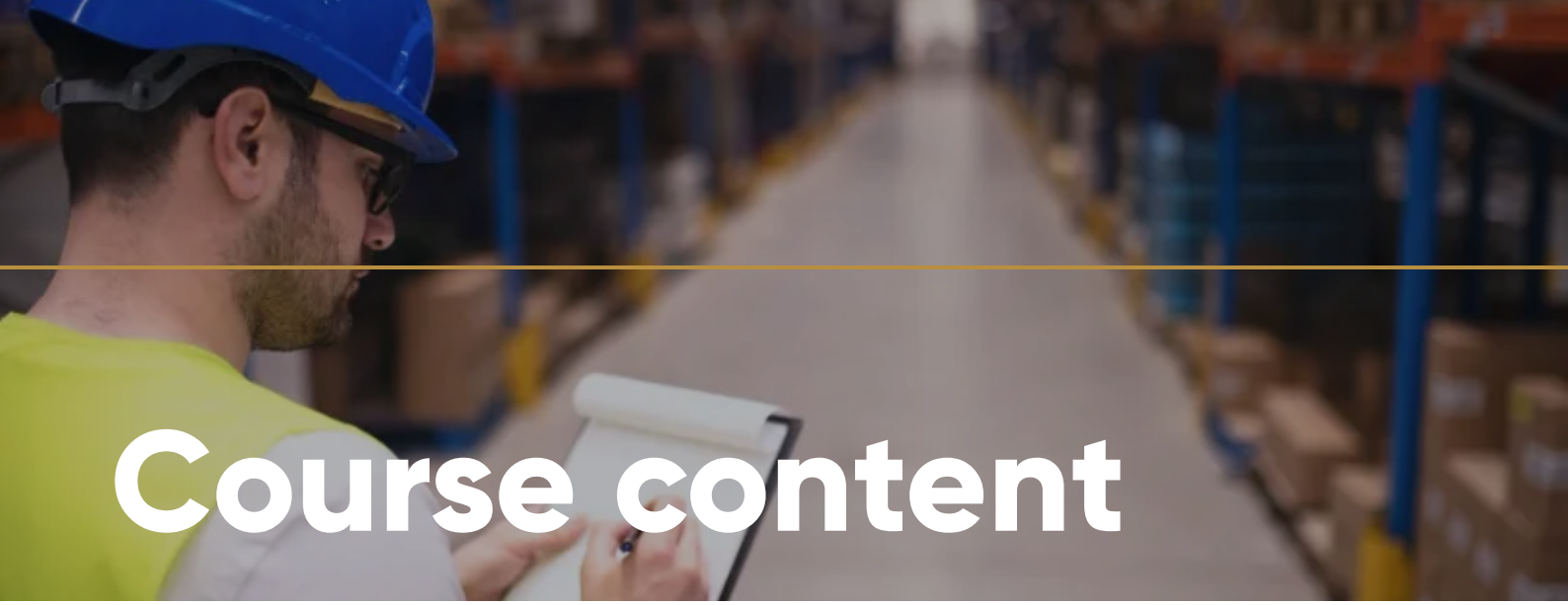
Course Methodology The course combines instructor-led presentations, practical workshops, case studies, warehouse optimization exercises, group discussions, system demonstrations, and real-world oil and gas supply chain scenarios.

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

- 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

Target Audience

- 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



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Target Audience

• Oil and gas professionals responsible for warehouse operations

Target Competencies

• Warehouse management

• Inventory optimization

• Supply chain management

• Materials management

• Digital warehouse systems

• Performance measurement

• Risk management

• Operational excellence

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

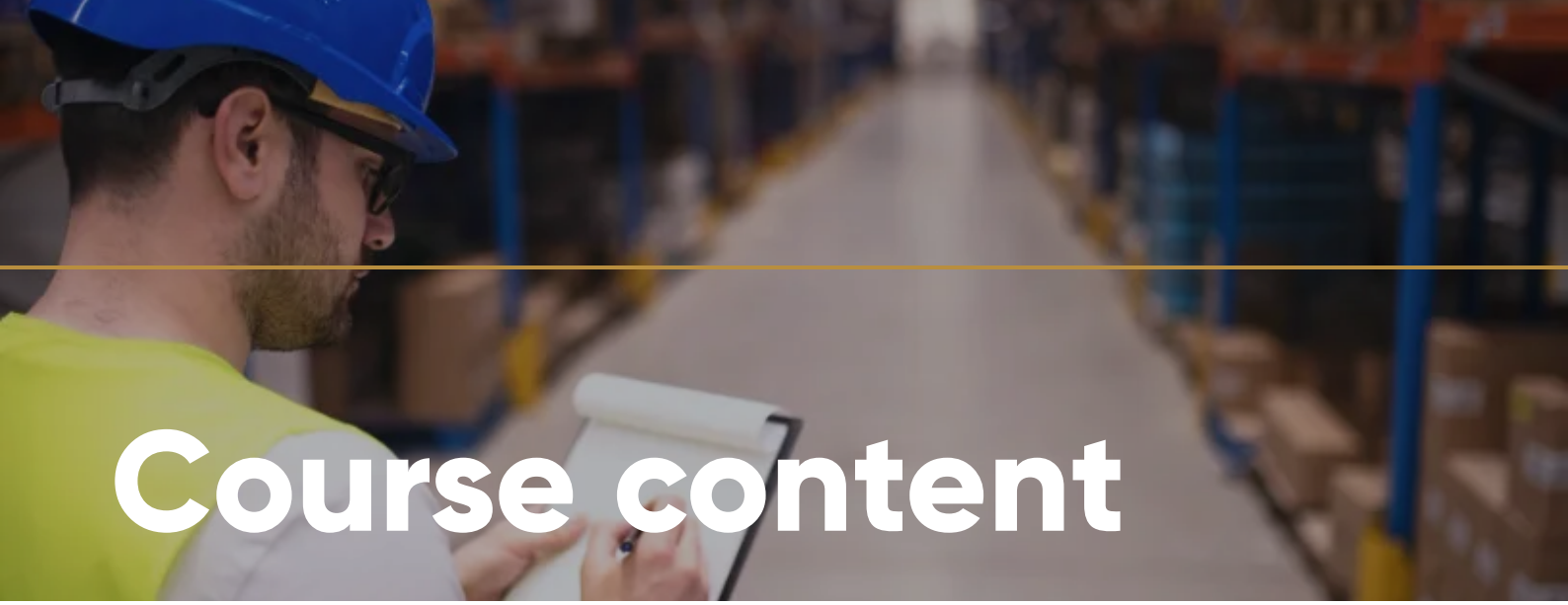
• Understanding integrated warehouse and supply chain management principles

• 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



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- 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

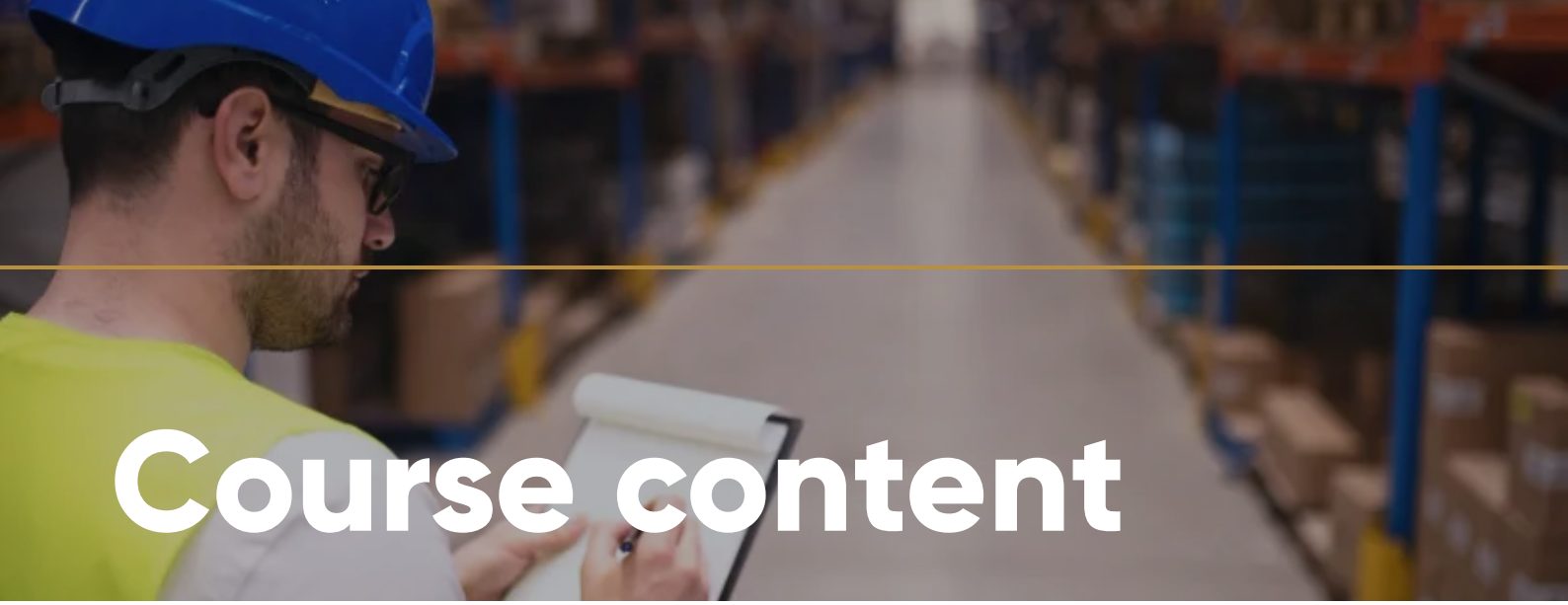
- Planning warehouse locations and layouts to maximize operational efficiency
- Selecting appropriate storage systems and specialized facilities for hazardous and critical materials
- Optimizing material handling equipment and warehouse workflows
- Managing receiving, inspection, storage, picking, packing, 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



Course content

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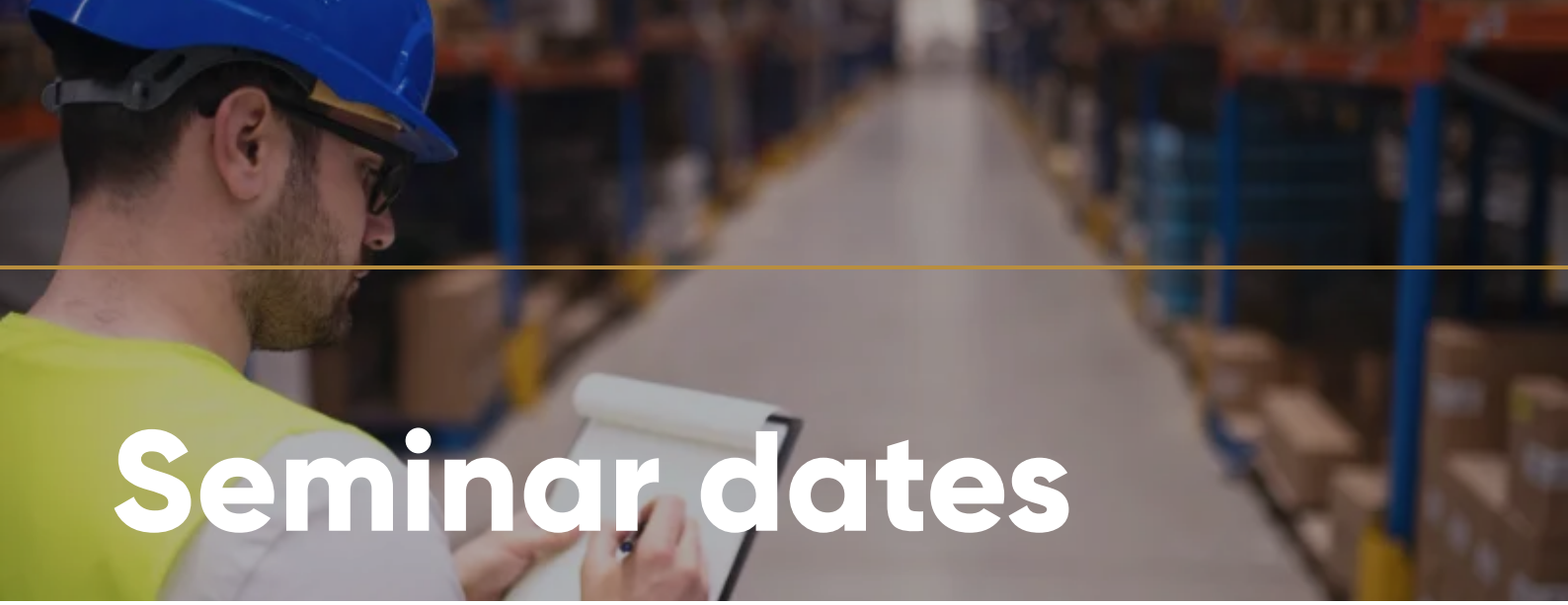
• Ensuring compliance with health, safety, and environmental requirements in warehouse operations

• 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



Seminar dates

Available seminar dates

Live dates and pricing for Integrated Warehouse Management for Oil & Gas Supply Chains generated from the course details page.

Date	Location	Format	Fee
4 - 8 January 2027	London - U.K	Classroom	**€3,360.-**
1 - 5 February 2027	Kuala lumpur - Malaysia	Classroom	**€2,040.-**
1 - 5 March 2027	Istanbul - Turkey	Classroom	**€2,560.-**
5 - 9 April 2027	London - U.K	Classroom	**€3,360.-**
3 - 7 May 2027	Amsterdam - Netherlands	Classroom	**€3,400.-**
7 - 11 June 2027	Frankfurt - Germany	Classroom	**€2,600.-**
5 - 9 July 2027	Istanbul - Turkey	Classroom	**€2,560.-**
2 - 6 August 2027	Munich - Germany	Classroom	**€3,400.-**
6 - 10 September 2027	Barcelona - Spain	Classroom	**€3,080.-**
4 - 8 October 2027	Frankfurt - Germany	Classroom	**€2,600.-**
1 - 5 November 2027	Kuala lumpur - Malaysia	Classroom	**€2,040.-**
6 - 10 December 2027	Amsterdam - Netherlands	Classroom	**€3,400.-**

Live online option	Online delivery is available at €1,850.-.