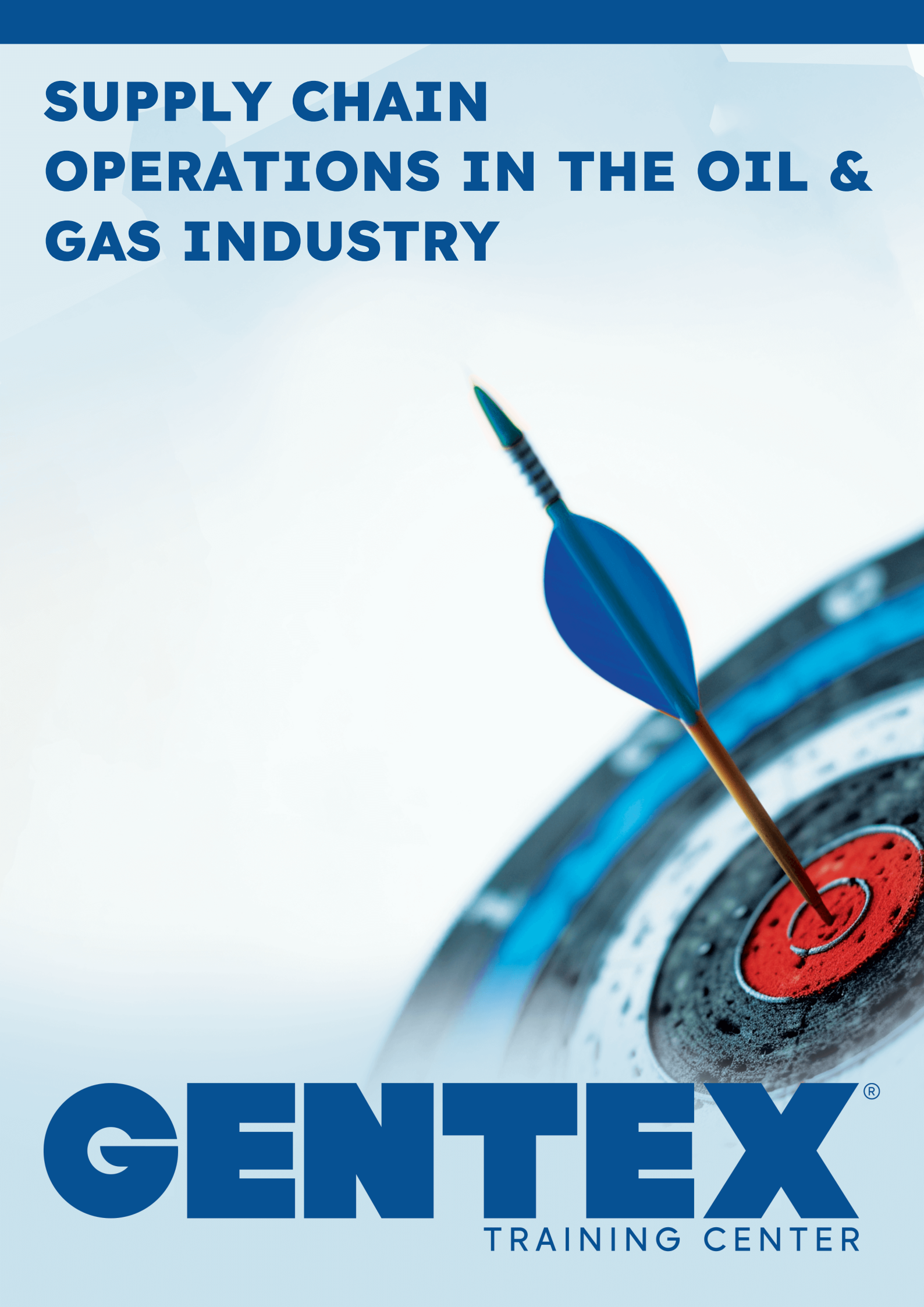
SUPPLY CHAIN OPERATIONS IN THE OIL & GAS INDUSTRY



GENTEX®
TRAINING CENTER

GENTEX Training Center LLC | Orlando - FL, USA
Info@gentextraining.com

Introduction

Oil and gas supply chains begin at a remote well site and end at a refinery gate or an export terminal, and they run through some of the least forgiving conditions in industry. Materials must arrive before a rig moves, spares must exist before a turbine stops, and every item must meet safety and specification requirements without exception. This Supply Chain Operations in the Oil & Gas Industry Training Course gives supply chain, procurement, and materials professionals a complete working method for that environment. Participants learn upstream logistics, procurement and contracts, materials and inventory control, HSE compliance, and cost and performance management.

Supply Chain Operations in the Oil & Gas Industry Course Objectives

- Apply oil and gas supply chain structures across upstream, midstream, and downstream.
- Plan procurement and contracting for drilling, production, and projects.
- Manage materials, spares, and inventory for field and plant operations.
- Apply logistics planning for remote, offshore, and hazardous locations.
- Apply HSE, quality, and specification requirements to sourcing decisions.
- Manage supplier performance and long lead time items.
- Apply customs, import, and local content requirements to energy materials.
- Control logistics cost: freight, storage, expediting, and demurrage.
- Apply risk management to supply interruption and shutdown exposure.
- Measure performance with availability, cost per unit, and delivery reliability.

Course Methodology

- Facilitated sessions built on real material records, contracts, and field logistics plans.

GENTEX® TRAINING CENTER

- Case workshops on rig delays, spares shortages, and shutdown material gaps.
- Material requirement, cost, and inventory calculation exercises with live data.
- Contract and supplier management practice labs.
- Group exercise on an oil and gas supply chain improvement plan.

Who Should Take This Course

- Oil and gas supply chain and materials managers.
- Procurement and contracts staff in energy companies.
- Field and offshore logistics coordinators.
- Warehouse, spares, and materials control officers.
- HSE and quality compliance staff in supply roles.
- Project and shutdown planning personnel.

Supply Chain Operations in the Oil & Gas Industry Course Outlines

Day 1: Oil and Gas Supply Chain Structure

- Upstream, midstream, and downstream activities and their interfaces.
- Drilling, production, refining, and export supply flows.
- Operators, service companies, EPC contractors, and traders.
- Materials management strategy for field and plant operations.
- Spares categorisation: consumables, insurance, and critical.
- Supply chain governance and internal control in energy.
- Benchmarking supply chain performance in the sector.

GENTEX Training Center LLC | Orlando - FL, USA
Info@gentextraining.com

Day 2: Procurement and Contracting in Energy

- Category strategy for drilling, production, and maintenance spend.
- Contract models: lump sum, unit rate, and call-off agreements.
- Service company contracts and performance-based terms.
- Tender evaluation with technical and HSE criteria.
- Long lead item identification and early commitment strategy.
- Supplier qualification, audits, and quality assurance.
- Ethics, anti-bribery, and conflict of interest controls.

Day 3: Materials, Inventory, and Warehousing

- Material requirement planning from maintenance and drilling schedules.
- Safety stock and criticality-based stockholding policy.
- Warehouse operations for hazardous and specialised materials.
- Stock accuracy, stocktaking, and reconciliation.
- Preservation, storage conditions, and shelf life control.
- Obsolescence and surplus material management.
- Yard, pipe, and tank storage management.

Day 4: Logistics, HSE, and Import Compliance

- Remote site and offshore logistics planning.
- Heavy lift, special equipment, and project cargo movement.
- Transport of dangerous goods and hazardous materials.
- Customs, import licensing, and local content requirements.
- Freight cost control, demurrage, and expediting.

- HSE requirements for materials handling and transport.
- Emergency sourcing and contingency planning.

Day 5: Performance, Cost, and Improvement

- KPIs: delivery reliability, availability, and cost per unit.
- Inventory investment and working capital management.
- Cost of expediting and emergency purchasing.
- Supplier performance review and development.
- Risk management for supply interruption and shutdown exposure.
- Auditing supply chain controls and records.
- Building an oil and gas supply chain improvement roadmap.

Conclusion

By successfully completing the Supply Chain Operations in the Oil & Gas Industry Training Course, participants will have acquired a thorough working knowledge of energy supply chain structures, procurement and contracting practice, materials and inventory control, remote and offshore logistics, HSE and import compliance, cost control, and performance management. They will leave able to keep field and plant operations supplied on schedule, control material and logistics cost with evidence, and meet safety, quality, and regulatory requirements without exception. Gentex Training Center delivers this programme with oil and gas supply chain practitioners working in live operations.

FAQs for the Supply Chain Operations in the Oil & Gas Industry course

GENTEX Training Center LLC | Orlando - FL, USA
Info@gentextraining.com

Q1 What is the "Supply Chain Operations in the Oil & Gas Industry" course about?

It is a five-day programme on buying, storing, and moving materials for oil and gas operations. It covers energy supply chain structures, procurement and contracting, materials and inventory control, remote and offshore logistics, HSE and import compliance, cost control, and performance measurement.

Q2 What are the key benefits of the "Supply Chain Operations in the Oil & Gas Industry" course?

Participants keep drilling and production supplied against tight schedules, reduce emergency purchasing and expediting cost with better planning, and hold the right critical spares before equipment stops. They also meet safety, quality, and customs requirements with documented evidence.

Q3 What skills will I gain from the "Supply Chain Operations in the Oil & Gas Industry" course?

You will gain oil and gas supply chain and materials planning, procurement and energy contract management, materials, inventory, warehouse, and field logistics management, and HSE, import compliance, cost, and supply performance management.

GENTEX® TRAINING CENTER

GENTEX Training Center LLC | Orlando - FL, USA
Info@gentextraining.com

Q4 What tools, methods, or standards are covered in the "Supply Chain Operations in the Oil & Gas Industry" course?

The course works with upstream, midstream and downstream supply chain mapping, drilling, production, refining and export supply flows, operator, service company, EPC contractor and trader roles, materials management strategy for field and plant operations, spares categorisation covering consumables, insurance and critical spares, energy supply chain governance and internal control, category strategy for drilling, production and maintenance spend, contract models covering lump sum, unit rate and call-off agreements, performance-based service company contracts, tender evaluation with technical and HSE criteria, long lead item identification and early commitment, supplier qualification, audits and quality assurance, anti-bribery and conflict of interest controls, material requirement planning from maintenance and drilling schedules, safety stock and criticality-based stockholding policy, warehouse operations for hazardous and specialised materials, stock accuracy and stocktaking, preservation, storage conditions and shelf life control, obsolescence and surplus material management, yard, pipe and tank storage management, remote site and offshore logistics planning, heavy lift and project cargo movement, dangerous goods transport requirements, customs, import licensing and local content requirements, freight cost control, demurrage and expediting management, HSE requirements for materials handling and transport, emergency sourcing procedures, and KPIs covering delivery reliability, availability and cost per unit.

GENTEX Training Center LLC | Orlando - FL, USA
Info@gentextraining.com

Q5 How is the "Supply Chain Operations in the Oil & Gas Industry" course applied in real-world practice?

Teams apply it when planning materials for a rig move, building a critical spares stockholding policy for a production facility, preparing a call-off contract for maintenance services, arranging heavy lift transport for project equipment, clearing an import consignment against local content rules, and reviewing delivery reliability and inventory investment at an operations review.