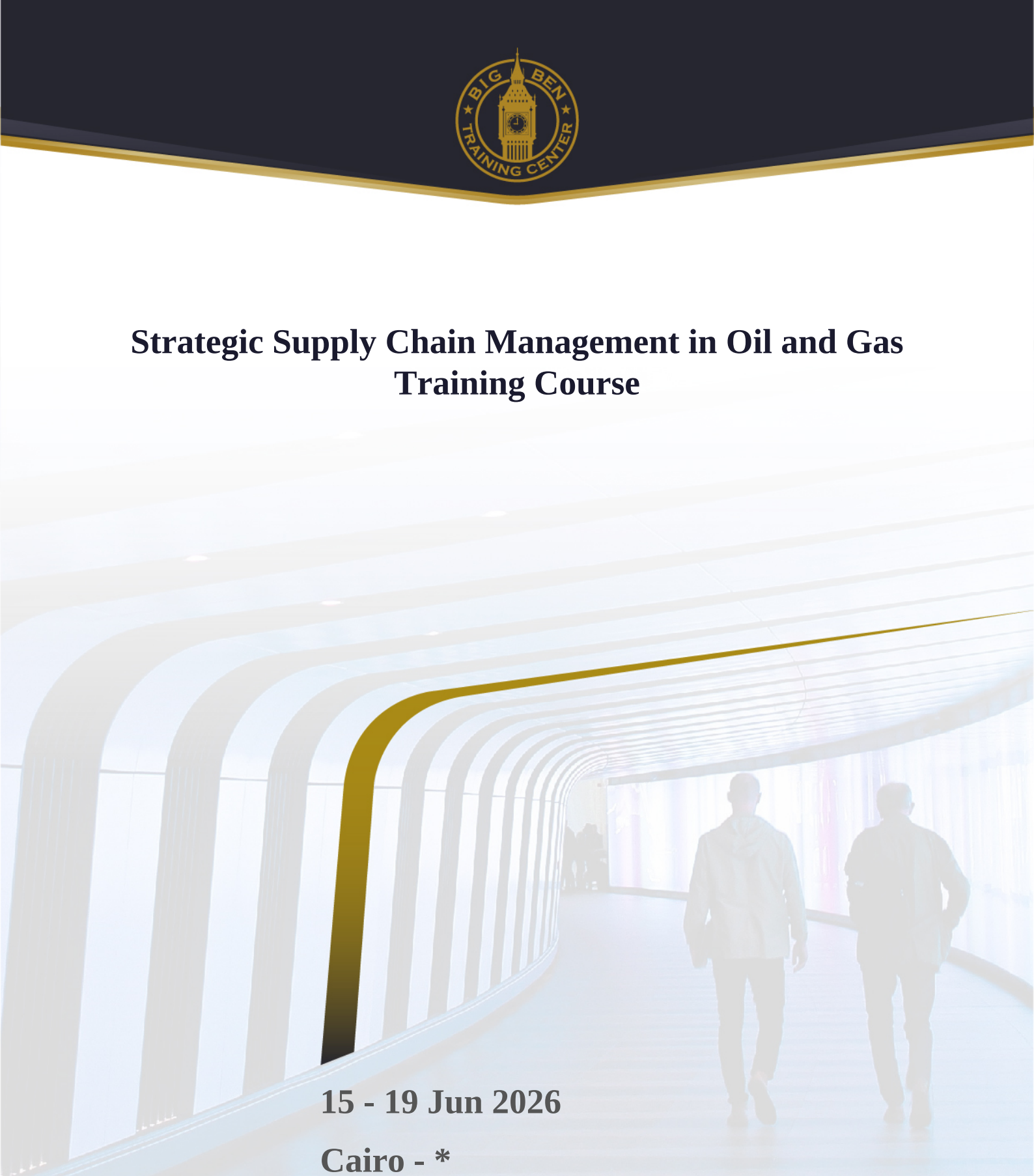
Strategic Supply Chain Management in Oil and Gas Training Course



15 - 19 Jun 2026

Cairo - *

4100 € (Per Person)

Ref: #OG5554_614233

Course Introduction / Overview:

The oil and gas industry are defined by a complex and global supply chain, which is critical for everything from exploration and production to refining and distribution. Effective supply chain management is no longer a support function, it is a strategic advantage for optimizing costs, mitigating risks, and ensuring operational continuity. This comprehensive training course, provided by BIG BEN Training Center, is designed to give professionals a deep understanding of the unique challenges and opportunities within the energy supply chain. The curriculum covers the entire process, including strategic sourcing, logistics and transportation, inventory management, and contract administration. We also address key issues like regulatory compliance, global trade dynamics, and the integration of technology and digitalization. The course is informed by the work of leading authors in the field, such as Michael E. Porter, whose theories on competitive strategy are foundational to supply chain excellence. By combining a strategic perspective with practical tools and techniques, this program empowers participants to build resilient and cost-effective supply chains that drive business performance.

Target Audience / This training course is suitable for:

- Supply chain and logistics managers.
- Procurement and purchasing officers.
- Operations and project managers.
- Inventory and warehouse managers.
- Business development specialists.
- Financial analysts.
- Risk management professionals.

Target Sectors and Industries:

- Upstream, midstream, and downstream oil and gas.
- Energy services and equipment providers.
- Logistics and transportation companies.
- Petrochemicals and chemicals.
- Government agencies and regulatory bodies.
- Consulting and professional services.
- Energy trading and marketing.

Target Organizations Departments:

- Supply chain and logistics.
- Procurement and contracts.
- Operations and production.
- Finance and accounting.
- Business development.
- Risk management.
- Strategic planning.

Course Offerings:

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

- Develop and implement a strategic supply chain plan for oil and gas operations.
- Apply advanced techniques for supplier selection and contract management.
- Optimize logistics and transportation networks.
- Manage inventory and spare parts effectively.
- Mitigate supply chain risks, including geopolitical and market volatility.
- Integrate digital technologies like blockchain and AI.
- Improve cost-effectiveness and operational efficiency.

Course Methodology:

This training course uses a mix of theoretical frameworks and practical case studies to provide comprehensive learning experience in supply chain management. Our approach is highly interactive, with sessions that include in-depth lectures, group problem-solving, and engaging role-playing exercises. Participants will analyze detailed case studies of supply chain disruptions and successes in the oil and gas industry, which will give them a practical understanding of how to apply strategic principles. We use simulation exercises to model the impact of different supply chain decisions on cost and risk. Team-based activities will challenge participants to work collaboratively to design a supply chain for a hypothetical energy project. The program emphasizes continuous feedback, with expert instructors providing guidance on individual and team projects. BIG BEN Training Center is committed to providing a learning experience that is both strategic and practical, ensuring participants can immediately apply their new skills.

Course Agenda (Course Units):

Unit One: Introduction to Supply Chain Strategy the Oil and Gas Context.

- Overview of the oil and gas value chain.
- Key challenges in energy supply chain.
- Strategic sourcing and procurement.
- Supplier relationship management.
- The role of sustainability in supply chain.
- Global market dynamics and their impact.
- Risk and resilience in supply chain.

Unit Two: Logistics and Transportation Moving Goods and Services.

- Transportation modes: marine, rail, and trucking.
- Logistics planning and network optimization.
- International trade and customs regulations.
- Managing complex logistics for drilling projects.
- Inbound and outbound logistics.
- Material and equipment tracking.
- Supply chain security.

Unit Three: Inventory and Warehouse Management Optimizing Stock.

- Inventory control and management systems.
- Warehouse design and optimization.
- Spare parts and critical equipment management.
- Demand forecasting.
- Just-in-time (JIT) vs. just-in-case inventory.
- Material requirements planning (MRP).
- Return on investment (ROI) on inventory.

Unit Four: Contracts and Commercial Management Securing the Deal.

- Types of oil and gas supply chain contracts.
- Drafting and negotiating key contract clauses.
- Contract lifecycle management.
- Managing contractor and service provider performance.
- Understanding Incoterms.
- Contractual disputes and resolution.
- Strategic alliance management.

Unit Five: Technology and Future Trends Digital Transformation.

- The role of technology in supply chain.
- Digitalization of supply chain processes.
- Blockchain for supply chain transparency.
- Artificial intelligence and predictive analytics.
- Automation and robotics in logistics.
- Managing the transition to new technologies.
- Building a future-ready supply chain.

FAQ:

Qualifications required for registering to this course?

There are no requirements.

How long is each day session, and what is the total number of training hours for the course?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

Something to think about:

With the increasing digitalization of the oil and gas industry, how can companies ensure that their supply chains are not only efficient but also secure from cyber threats and data breaches?

What unique qualities does this course offer compared to other courses?

This training course is distinguished by its strategic focus on the supply chain specifically for the oil and gas sector, which is a rare and valuable combination. Unlike general logistics programs, our curriculum is tailored to address the unique complexities of the energy industry, from volatile commodity prices to geopolitical risks. We teach participants how to move beyond tactical purchasing to a strategic approach that drives business value and operational resilience. The course integrates the latest technological trends, such as digitalization and blockchain, which gives participants a forward-looking perspective. Our hands-on case studies and interactive exercises are drawn from real-world scenarios, which help to ensure that the knowledge gained is immediately applicable. This program provides the tools and insights needed to transform a supply chain from a cost center into a strategic asset.