Mini Master: Oil & Gas and Energy Management Certificate

31 January – 4 February 2027
Dubai (UAE)



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Introduction:

Historically, crude oil overproduction has always resulted in a global oil glut and a subsequent oil price collapse. The current oil, gas, and energy management cycle of low oil prices is challenging the International Oil Companies IOCs and National Oil Companies NOCs upstream and downstream of the Oil and Gas supply chain.

This mini master certificate in oil, gas, and energy management MBA course has prompted these businesses to reinvent themselves and abandon traditional strategic planning exercises, resizing, merging, putting projects on hold, and, in extreme situations, canceling and laying off personnel.

A closer look at production activities shows that although the cost of oil production may be uneconomical, the industry still needs to explore and develop oil and gas projects to meet future demand.

This MBA mini master certificate in oil, gas, and energy management course gives participants a broader understanding of the petroleum industry's key concerns. It furnishes them with skills and knowledge to effectively identify and tackle these issues.

In-depth awareness of the current advances in oil and gas project management techniques, including risk management, planning, and scheduling approaches, and project finance and economics, will ensure the successful management of future Oil and gas energy projects.

Targeted Groups:

- Business Development Professionals.
- Corporate Planners, Investment Analysts, and oil and gas Directors interested in an MBA in oil and gas energy would appreciate the gist of a complete program.
- More senior oil and gas executives are intrigued by the concept of an MBA but need more time for one.
- Managers in the Oil and gas energy sector who want a 'taster' to see if a complete MBA might suit them.
- Professionals who have already completed a generic MBA but want to relate those processes to the Oil and gas industries.
- Managers in industries and professions supplying or serving the industry who would like a deeper understanding of oil and gas, e.g., bankers, lawyers, analysts, and service majors.
- Project Managers, Engineers, Supply Planners, and Scheduling Professionals.

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Course Objectives:

At the end of this MBA mini master certificate in oil, gas, and energy management course, the participants will be able to:

- Appreciate the industry's critical issues and strategies to address them effectively.
- Gain a clear understanding of the companies that make up the petroleum industry.
- Learn about the geopolitical issues surrounding global Oil and Gas supply, transportation, and pricing.
- Gain specific budgeting, finance, and strategic planning skills while assessing the commercial viability of Oil and Gas Projects.
- Understand resource allocation management money, time, people, technology.
- Develop an understanding of how derivative markets can be utilized in risk management.
- Acquire an understanding of and compare various international fiscal systems.
- Explain the nature and fundamentals of Oil and Gas Projects and Project Management.
- Function more effectively and efficiently in today's competitive Oil and Gas business environment.
- Evaluate the strategic challenges facing the industry and implications for their organization.

Targeted Competencies:

By the end of this MBA mini master certificate in oil, gas, and energy management training, the participant's competencies will:

- The Importance of Highlighting Success Factors in Each Category of Energy Business Models.
- Effective Clarification of the Oil and Gas Sector's Core Issues, Tactics, and Concepts.
- Apply a more comprehensive management perspective to the global oil and gas business.
- Detailed Risk Management Practices in the Oil and Gas Industries.
- Discussions on Applications of Project Management in an Oil and Gas Environment.
- Understand how the expectation for Oil and Gas demand will shape the industry in the future.
- Personnel are sufficiently skilled and competent to comprehend the weather cycles of low oil prices.

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What is an Oil, Gas, and Energy Management Certificate All About?

The mini master oil, gas, and energy management certificate offers a comprehensive overview of crucial oil and gas management and energy efficiency topics. This program is designed for professionals seeking specialized knowledge. It delves into the intricate workings of the oil and gas industry, exploring topics such as exploration, production, distribution, and regulatory frameworks. Participants gain insights into energy management strategies, sustainability practices, and the global energy landscape.

Whether you're considering a career in oil and gas management or looking to enhance your expertise, this MBA mini master certificate in oil, gas, and energy management equips you with vital skills for navigating this dynamic sector. Discover the complexities of oil and gas operations, learn to optimize energy resources, and explore the strategic decision-making processes essential for success in this critical industry.

Course Content:

Unit 1: The Oil and Gas Industry - Synopsis:

- Petroleum Formation and the Chemical Nature of Petroleum.
- Global Petroleum Reserves, Supply and Demand.
- The Global Energy Mix.
- Natural Gas, Petroleum Products, and Specifications.
- Oil and Gas Exploration and Production.
- The Shale Oil and Gas Revolution and New Processes MWD and LWD.
- Adding Value: Petroleum Refining and Natural Gas Processing.

Unit 2: The Oil and Gas Supply Chain:

- Field Development and Reservoir Management.
- Oil and Gas Supply Chain Management SCM.
- The Role of Major Network Design Decisions in a Supply Chain.
- Current Issues in the Oil and Gas Industry SCM.
- Modes of Transportation Logistics and their Performance Trends.
- The Monetization of Natural Gas LNG, CNG, GTS, GTL, GTP, and GTC.
- Sales and Marketing of Petroleum Products.

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Unit 3: Project Finance and Economics:

- Economics of Oil and Gas Projects.
- Energy Commodities and Markets.
- Energy Investment and Profitability Studies.
- Project Selection Criteria and Key Performance Indicators.
- Oil and Gas Energy Project's Sensitivity Analysis.
- Financial Performance Management in the Oil Industry.
- Derivatives, Energy Commodities, and Markets.

Unit 4: Oil and Gas Energy Industry Strategic Analysis:

- Strategic Interests and Competitive Advantages of IOCs and NOCs.
- Strategic Value Analysis for Competitive Advantage.
- Strategic Challenges in the Oil and Gas Industry.
- Fiscal Regimes for the Oil and Gas Industries.
- Project Evaluation from a Strategic Perspective.
- Oil and Gas Energy Risks and Opportunities.
- Crude Oil Pricing Strategies.

Unit 5: Oil and Gas Industry Future Prospects:

- Oil and Gas Industry Future Prospects.
- OPEC and IEA.
- Evaluating the Commercial Viability of Future Energy Projects.
- Geopolitics and World Oil and Gas Energy Markets.
- The Peak Oil Debate and its Consequences.
- Energy Risk Management, Uncertainty, and Investment Decisions.
- Some Practical Perspectives on Risk and Opportunity Analysis.

Conclusion:

The MBA mini master certificate in oil, gas, and energy management concludes with a solid foundation in the industry's intricacies and essential energy management skills. Graduates comprehensively understand oil and gas operations, from exploration and production to distribution and regulation.

This specialized oil, gas, and energy management program equips students with strategic insights into energy efficiency, sustainability practices, and global energy trends. By studying oil and gas management, individuals develop critical expertise for addressing industry challenges and driving innovation in energy management.

Whether pursuing a career in oil and gas or seeking to enhance leadership capabilities in the energy sector, this MBA mini master certificate in oil, gas, and energy management training empowers professionals with the knowledge and skills needed to excel in this dynamic field.