

AMERICAN GLOBAL INSTITUTE
FOR PRIVATE TRAINING



External Training Course

Mini MBA: Oil & Gas and Energy Management

From 07 Apr. To 11 Apr. 2025

From 14 Jul. To 18 Jul. 2025

From 20 Oct. To 24 Oct. 2025

Hotel Monterey Ginza, Tokyo, Japan

**Mr. Ghanem F. Al-Otaibi
GM & Institute Owner**

Tel.: 00965 22248901

Fax: 00965 22204999

Mob.: 00965 65548855

Mob.: 00965 97273712

Email: admin@agi-kw.com

Email: agi-kw@hotmail.com

W/SITE: WWW.AGI-KW.COM

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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 cycle of low oil prices is challenging the International Oil Companies (IOC's) and National Oil Companies (NOC's) alike, both upstream and downstream of the Oil & Gas supply chain. This has prompted these businesses to reinvent themselves and to abandon traditional strategic planning exercises in favor of resizing, merging, or putting projects on hold and in extreme situations project cancellation, as well as 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 continue to explore and develop oil and gas projects so as to meet future demand. This Mini MBA under the Oil & Gas Technology category provides delegates with a broader understanding of the key concerns facing the petroleum industry and furnishes them with skills and knowledge to effectively identify and tackle these issues. In depth awareness of the current advances in Oil & Gas project management techniques addressing risk management, planning and scheduling approaches and project finance and economics will ensure a successful management of future Oil & Gas energy projects. This Mini MBA will feature:

- The Importance of highlighting success factors in each category of energy business models.
- Effective clarification of core issues, tactics and concepts in the Oil & Gas sector.
- The application of a wider management perspective in the global Oil & Gas business.
- Detailed Risk Management practices in the Oil and Gas Industries.
- Discussions on applications of project management in an Oil & Gas environment.
- An understanding of how the expectation for Oil & Gas demand will shape the industry in the future.
- Personnel sufficiently skilled and competent to comprehend and weather cycles of low oil prices.

Objectives:

By the end of this Mini MBA, participants will be able to:

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

Training Methodology:

This Mini MBA will utilize a variety of proven adult learning techniques that ensure maximum understanding, comprehension and retention of the information presented. The daily workshops will be highly interactive and participative. This training course combines PowerPoint presentation with interactive practical exercises, supported by videos, activities and case studies. Active delegate participation will be encouraged to relate taught material and case studies with their own experiences from their respective industries.

Course Outline:

Day 1: The Oil & Gas Industry - Synopsis

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

Day 2: The Oil & Gas Supply Chain

- Field Development & 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 & Gas Industry SCM
- Modes of Transportation Logistics and their Performance Trends
- The Monetization of Natural Gas (LNG, CNG, GTS, GTL, GTP, GTC)
- Sales and Marketing of Petroleum Products

Day 3: Project Finance and Economics

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

Day 4: Oil & Gas Energy Industry Strategic Analysis

- Strategic Interests and Competitive Advantage of IOC's & NOC's
- Strategic Value Analysis for Competitive Advantage
- Strategic Challenges in the Oil & Gas Industry
- Fiscal Regimes for the Oil & Gas Industries
- Project Evaluation from a Strategic Perspective
- Oil & Gas Energy Risks and Opportunities
- Crude Oil Pricing Strategies

Day 5: Oil & Gas Industry Future Prospects

- Oil & Gas Industry Future Prospects
- OPEC & IEA
- Evaluating the Commercial Viability of Future Energy Projects
- Geopolitics and World Oil & 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

Program Agenda::

(1st Day) Agenda

8.30	9.00	Opening Remarks (30 Min.).
9.00	11.30	<u>DISCUSS COURSE OBJECTIVES:</u> <ul style="list-style-type: none"> • The Oil & Gas Industry – Synopsis. • The Oil & Gas Supply Chain. • Project Finance and Economics. • Oil & Gas Energy Industry Strategic Analysis. • Oil & Gas Industry Future Prospects.
11.30	12.00	Coffee Break
12.00	14.00	<u>The Oil & Gas Industry – Synopsis:</u> <ul style="list-style-type: none"> • Petroleum Formation and the Chemical Nature of Petroleum. • Global Petroleum Reserves, Supply and Demand. • The Global Energy Mix. • Natural Gas and Petroleum Product, Specifications. • Oil and Gas Exploration and Production. • The Shale Oil & Gas Revolution & New Processes MWD & LWD. • Adding Value: Petroleum Refining & Natural Gas Processing.
14.00	14.30	Questions and Discussion
14.30		Buffet Lunch

(2nd Day) Agenda

9.00	11.30	<u>The Oil & Gas Supply Chain:</u> <ul style="list-style-type: none"> • Field Development & 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 & Gas Industry SCM.
11.30	12.00	Coffee Break
12.00	14.00	<u>The Oil & Gas Supply Chain:</u> <ul style="list-style-type: none"> • Modes of Transportation Logistics and their Performance Trends. • The Monetization of Natural Gas (LNG, CNG, GTS, GTL, GTP, GTC). • Sales and Marketing of Petroleum Products.
14.00	14.30	Questions and Discussion
14.30		Buffet Lunch

(3rd Day) Agenda

9.00	11.30	<u>Project Finance and Economics:</u> <ul style="list-style-type: none"> • Economics of Oil & Gas Projects. • Energy Commodities and Markets. • Energy Investment & Profitability Studies. • Project Selection Criteria and Key Performance Indicators.
11.30	12.00	Coffee Break
12.00	14.00	<u>Project Finance and Economics:</u> <ul style="list-style-type: none"> • Oil & Gas Energy Project's Sensitivity Analysis. • Financial Performance Management in the Oil Industry. • Derivatives, Energy Commodities and Markets.
14.00	14.30	Questions and Discussion
14.30		Buffet Lunch

(4th Day) Agenda

9.00	11.30	<u>Oil & Gas Energy Industry Strategic Analysis:</u> <ul style="list-style-type: none"> • Strategic Interests and Competitive Advantage of IOC's & NOC's. • Strategic Value Analysis for Competitive Advantage. • Strategic Challenges in the Oil & Gas Industry. • Fiscal Regimes for the Oil & Gas Industries.
11.30	12.00	Coffee Break
12.00	14.00	<u>Oil & Gas Energy Industry Strategic Analysis:</u> <ul style="list-style-type: none"> • Project Evaluation from a Strategic Perspective. • Oil & Gas Energy Risks and Opportunities. • Crude Oil Pricing Strategies.
14.00	14.30	Questions and Discussion
14.30		Buffet Lunch

(5th Day) Agenda

9.00	11.30	<u>Oil & Gas Industry Future Prospects:</u> <ul style="list-style-type: none"> • Oil & Gas Industry Future Prospects. • OPEC & IEA. • Evaluating the Commercial Viability of Future Energy Projects. • Geopolitics and World Oil & Gas Energy Markets.
11.30	12.00	Coffee Break
12.00	14.00	<u>Oil & Gas Industry Future Prospects:</u> <ul style="list-style-type: none"> • The Peak Oil Debate and its Consequences. • Energy Risk Management, Uncertainty and Investment Decisions. • Some Practical Perspectives on Risk and Opportunity Analysis.
14.00	14.30	Questions, Discussion & Conclusion Training Course.
14.30		Buffet Lunch