

Oil, Gas & Energy Management Masterclass

Operations, Markets, Finance & Strategy in Oil, Gas and Energy



Focus on: **The Manager** ☒ **The Specialist** ☒ **Spotlight Programme** ☐ **Hands-on Skills** ☐

Course Overview

Volatile energy markets, accelerating energy transition pressures, and persistent geopolitical uncertainty continue to reshape the global oil and gas landscape. International and National Oil Companies alike are navigating lower margins, tighter capital discipline, and increasing scrutiny around project economics and sustainability.

Today's professionals must go beyond technical knowledge — they need strategic insight, commercial awareness, and practical management tools to succeed across the upstream, midstream, and downstream value chain.

This **Oil, Gas & Energy Management Masterclass** equips delegates with a comprehensive understanding of the petroleum industry, combining operational fundamentals with finance, strategy, risk management, and project economics. You'll explore how modern energy businesses evaluate investments, manage uncertainty, optimise supply chains, and position themselves for future demand.

This intensive Masterclass provides a practical, business-focused framework for managing oil and gas projects in today's competitive environment — preparing you to make confident, informed decisions across the energy value chain.

Course Objectives		This Course is Ideal For:	
1	Understand the structure and dynamics of the global petroleum industry	✓	Business Development and Commercial Professionals
2	Evaluate oil and gas projects using financial, commercial, and strategic criteria	✓	Corporate Planners, Investment Analysts, and Energy Directors
3	Apply budgeting, forecasting, and investment analysis to energy developments	✓	Senior managers considering an MBA-style programme without the long-term commitment
4	Assess geopolitical influences on supply, transportation, and pricing	✓	Engineers, Project Managers, Supply Planners, and Scheduling Professionals
5	Use derivative markets as part of an integrated risk management strategy	✓	Energy sector managers looking to strengthen strategic and financial capability
6	Compare international fiscal systems and contractual frameworks	✓	Professionals serving the industry (bankers, lawyers, consultants, analysts, service providers)
7	Analyse strategic challenges facing your organisation	✓	MBA graduates who want to apply management concepts directly to oil and gas

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Course Content

Day	Theme	Coverage
1	Oil, Gas & Energy Fundamentals	<ul style="list-style-type: none">• Formation and chemical nature of petroleum• Global reserves, production trends, and demand outlook• The evolving global energy mix• Natural gas and refined product specifications• Exploration and production overview• Shale developments and modern drilling technologies (MWD/LWD)• Value creation through refining and gas processing
2	From Reservoir to Market: The Energy Supply Chain	<ul style="list-style-type: none">• Field development and reservoir management fundamentals• Integrated oil and gas supply chains• Network design and logistics optimisation• Transportation modes and performance trends• Natural gas monetisation (LNG, CNG, GTL and pipelines)• Sales, trading, and marketing of petroleum products• Current supply chain challenges and opportunities
3	Project Finance, Economics & Energy Markets	<ul style="list-style-type: none">• Economics of oil and gas projects• Energy commodities and market structures• Investment appraisal and profitability analysis• Project selection criteria and KPIs• Sensitivity analysis and financial risk• Financial performance management• Introduction to derivatives and energy trading
4	Strategy, Risk & Competitive Positioning	<ul style="list-style-type: none">• Strategic drivers of IOC and NOC performance• Competitive advantage and value creation• Fiscal regimes and contractual frameworks• Strategic project evaluation• Energy risks and opportunity assessment• Crude oil pricing mechanisms• Managing uncertainty in volatile markets
5	Future Energy Outlook & Investment Decisions	<ul style="list-style-type: none">• Global oil and gas outlook and transition pressures• Market influence of OPEC and International Energy Agency• Geopolitics and energy security• Evaluating future project viability

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		<ul style="list-style-type: none">• The peak oil debate• Energy risk management and capital allocation• Practical frameworks for opportunity analysis and decision-making
Course Assessment		Certification
Participants will be assessed on:		Upon successful completion of the course, participants will receive a Certificate of Successful Completion , along with a Transcript of Marks showing the performance by grade in each element of assessment and overall.
Participation in sessions		
Completion of exercises & case studies		
Performance in assessments		
Course Instructor		
<p>With BSc and PhD degrees from the UK, and with over 30 years of refinery technology, operations, and management expertise for several famous-name oil companies, this speaker is now an internationally-famous chemical engineering consultant.</p> <p>As a Chartered Chemist, a Member of the Royal Society of Chemistry and a Member of the American Institute of Chemical Engineers, he holds honorary appointments at a number of European universities and conducts cutting-edge research into vacuum distillation, gas recovery, absorption and pyrolysis.</p>		