



Global Upstream Oil & Gas Operations Course





Global Upstream Oil & Gas Operations Course

Introduction:

The oil and gas business is multifaceted, technically complex, highly capital intensive, and often confronted with potential risks and uncertainties. Today's petroleum industry is dealing with ever-increasing complexity, price volatility, and competition.

This upstream oil and gas operations program aims to provide the participants with extensive exposure to the many complex management issues presently confronting the Upstream Petroleum Industry and to strengthen their understanding of how to manage business success.

Innovative technologies in oil and gas recovery are also changing the landscape of the petroleum industry. Managing international supplies, understanding financial terms, and comparing worldwide fiscal systems are critical to understanding Upstream production sharing and joint venture contracts.

To achieve maximum effectiveness, managers and professionals must continually expand their business knowledge and sharpen their skills. This upstream oil and gas operations program is designed to achieve this goal time-efficiently.

Integrating downstream refining and petrochemicals to achieve greater efficiencies is another critical factor in this business, which will be covered in this upstream oil and gas operations training course. Participants will have a robust understanding of upstream processes, technologies, and strategies, preparing them to contribute effectively to the upstream oil and gas industry.

Targeted Groups:

- Business Development managers.
- Corporate Planning Professionals.
- Geoscience and Engineering Professionals.
- Refinery professionals.
- Supply Planners and Scheduling Professionals.
- Government regulators.
- Law professionals.
- Tax and Finance advisors.
- Auditing personnel.
- Compliance officers.
- Equity Analysts and Bankers.
- Joint Venture officers.
- Negotiators and Contracting Professionals.
- Trading professionals.

Course Objectives:

At the end of this upstream oil and gas operations course, the participants will be able to:

- Gain a broad perspective on the upstream oil business, exploration, drilling, and production.
- Boost their understanding of the technical and economic efficiencies gained in the Upstream applied through new technologies.
- Master in petroleum economics, investment analysis, risk analysis, and petroleum project evaluation.
- Evaluate Fiscal terms and conditions and compare World Fiscal systems.
- Understand all Upstream contracts - Concessionary, Production Sharing, Service, and Joint Venture Contracts.
- Discuss the technical terms, concepts, and buzzwords confidently with your peers and clients.

Targeted Competencies:

At the end of this upstream oil and gas operations training, the participant's competencies will be able to improve:

- The basics of oil and gas exploration, production, and recovery economics are needed to understand the global business that fuels the global economy fully.
- The Essential Concepts and Best Production Practices of the International Oil and Gas Supply, Transportation, and Trade in the Oil and Gas Industry.
- Fundamentals of Fiscal Terms and Conditions, and Comparison of World Fiscal Systems.
- Upstream Concessionary, Production Sharing, Service, and Joint Venture Contracts in Oil, Gas, and LNG Production.
- Fundamentals of Petroleum Economics and Investment Evaluation.
- It seamlessly covers a wide array of critical business functions and processes. It appropriately deals with business practices and tactics to build the necessary business acumen in a Competitive and low-price environment.

What is the Global Upstream Oil and Gas Operations?

The global upstream oil and gas operations Course delves into the critical aspects of the upstream sector within the oil and gas industry. It offers comprehensive insights into upstream operations, including exploration, drilling, production, and reservoir management. Participants gain an understanding of the upstream process, equipment, and technologies employed to extract crude oil and natural gas from reservoirs beneath the earth's surface.

This upstream oil and gas operations training covers key topics such as upstream oil and gas solutions, data management, and analytics, emphasizing their role in optimizing operations and decision-making. The course also explores the significance of data analytics in upstream activities, enabling participants to leverage insights for enhanced efficiency and performance.

Furthermore, the upstream oil and gas operations course clarifies the definition and scope of upstream in the oil and gas industry, outlining its crucial role in the overall energy supply chain. It addresses the challenges and opportunities within upstream operations, providing professionals with practical knowledge and skills essential for success in this dynamic sector.

Course Content:

Unit 1: General Industry Overview and Basic Concepts:

- Introduction to the Oil and Gas Industry.
- Petroleum Industry Dynamics and Future Trends.
- Oil and Gas Geology.
- Oil and Gas Prospecting Exploration.
- Drilling Operations.

Unit 2: Upstream Success Factors:

- Technological Advances.
- Well Evaluation.
- Well, Completions.
- Reservoir Depletion Mechanisms.
- Oil and Gas Surface Facilities.
- Transportation.
- Maintenance of Oil and Gas Facilities.
- Oil and Gas Reserves.

Unit 3: Profitably Managing Upstream Business:

- Oil and Gas Reserves.
- Reservoir Management.
- Crude Oil Refinery Products and Processes.
- Legal Framework of the Industry.
- Project Economics.
- Oil Price Risk Management.

Unit 4: Upstream Production Contracts and Fiscal Systems:

- Relationships between Oil Companies and Host Governments.
- Understanding Petroleum Fiscal Systems.
- Identification of Different Types of Fiscal Terms and Their Application.
- Concession royalty/tax Contracts.
- Production Sharing Contracts.
- Service Contracts and Joint Venture Contracts.
- Review and Comparison of Different Fiscal Systems in the World for the Petroleum Industry.
- Fiscal Options and Latest Trends for Liquefied Natural Gas LNG Projects.

Unit 5: Petroleum Economics, Risk Analysis, and Project Evaluation:

- Petroleum Dynamics - Global, Regional, and OPEC Production Scenarios.
- Profitability Indicators for the Oil and Gas Business.
- Comparison and Investment Selection Criteria.
- Corporate portfolio management and maximize returns.
- Risk and Uncertainty analysis in capital investments.
- Evaluate projects by risk-based economics.
- Fundamental Considerations in Petroleum Project Evaluation.
- Investment Decision-Making Techniques.



Conclusion:

The global upstream oil and gas operations course provides a comprehensive understanding of the upstream sector in the oil and gas industry. Participants gain insights into the intricacies of upstream processes, including exploration, drilling, production, and equipment utilization. The course emphasizes the importance of effective data management and analytics in optimizing upstream operations, enabling professionals to make informed decisions and enhance performance.

Through this upstream oil and gas operations training, participants develop practical skills related to upstream oil and gas production, equipping them to navigate challenges and leverage opportunities within the industry. The course also addresses the role of technology and innovation in upstream operations, highlighting solutions that drive efficiency and sustainability.

Overall, the upstream oil and gas operations course clarifies the definition and significance of upstream in the oil and gas industry, empowering participants with the knowledge and expertise necessary to contribute meaningfully to upstream oil and gas operations. By focusing on key aspects such as data analytics, equipment utilization, and process optimization, the course prepares professionals for success in this dynamic and vital energy industry sector.