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**Course Name**

# Global Upstream Oil & Gas Operations

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**Sector Name**

Oil, Gas and Chemical

**Document Type**

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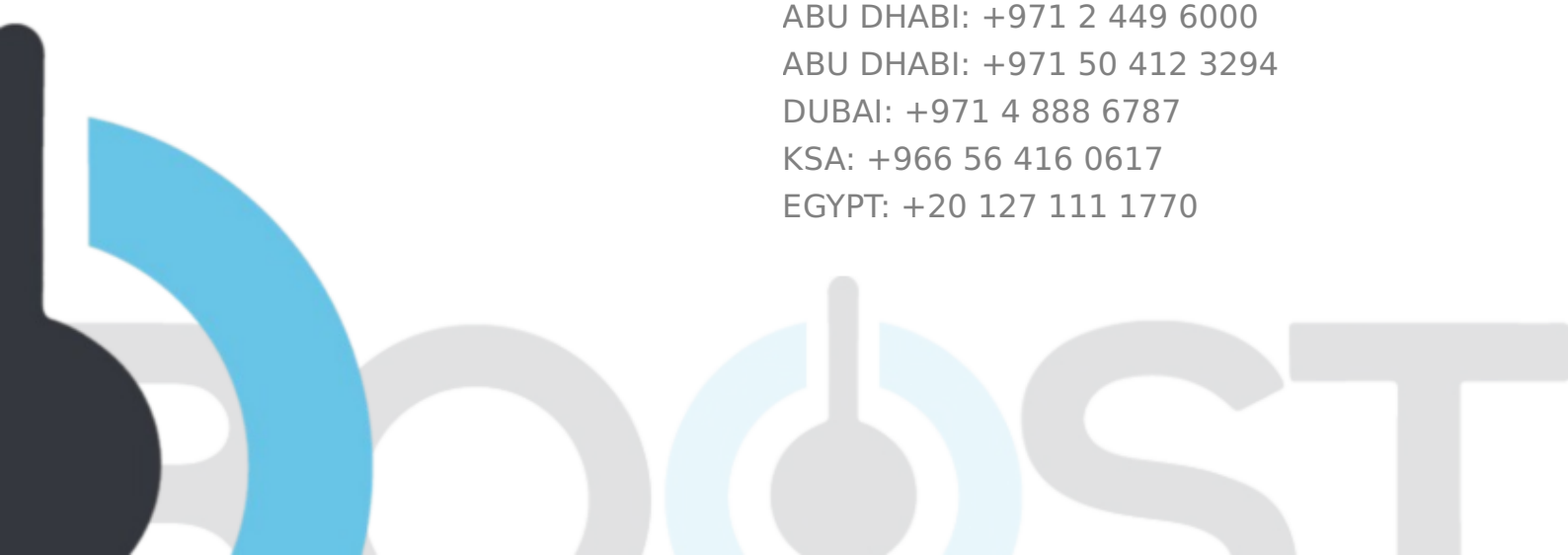
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## Global Upstream Oil & Gas Operations

### Course Introduction

Global Upstream Oil & Gas Operations provides a comprehensive understanding of the activities, technologies, processes, and business considerations involved in the upstream oil and gas value chain. The program covers the journey from exploration and field development through drilling, well completion, production, and asset management, giving participants an integrated view of how different technical disciplines contribute to successful upstream operations.

Participants will explore the relationship between exploration, reservoir evaluation, drilling, well construction, production engineering, and field operations. The course also examines production optimization, operational performance, asset integrity, HSE considerations, and the application of digital technologies in modern oil and gas operations.

Through practical examples and industry-based scenarios, participants will develop a broader understanding of the technical and operational factors that influence field performance, production efficiency, cost management, and decision-making. The program is designed to help professionals understand upstream operations from both technical and strategic perspectives and recognize how global

market conditions, technology, regulations, and operational practices continue to shape the industry.

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## Global Upstream Oil & Gas Operations

### Target Audience

- ✓ Oil and gas professionals working in upstream operations.
- ✓ Petroleum, drilling, production, and reservoir engineers.
- ✓ Geologists and geophysicists involved in exploration and development.
- ✓ Well completion and well intervention professionals.
- ✓ Production and field operations supervisors.
- ✓ Asset and operations managers.
- ✓ Technical and engineering professionals seeking broader upstream knowledge.
- ✓ Project and operations personnel working with oil and gas assets.
- ✓ HSE professionals supporting upstream operations.
- ✓ Professionals involved in oil and gas planning, performance, and strategy.
- ✓ New professionals seeking a comprehensive understanding of upstream operations.
- ✓ Professionals transitioning into upstream oil and gas roles.

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## Global Upstream Oil & Gas Operations

### Learning Objectives

- ✓ Understand the structure and key activities of the global upstream oil and gas industry.
- ✓ Explain the main stages of exploration, drilling, well completion, and production.
- ✓ Understand the interaction between geology, geophysics, reservoir engineering, drilling, and production operations.
- ✓ Evaluate the key factors influencing upstream project performance and operational efficiency.
- ✓ Understand different drilling methods, well construction activities, and completion techniques.
- ✓ Examine reservoir behavior and its impact on production performance.
- ✓ Understand oil and gas production systems and surface facilities.
- ✓ Identify common operational challenges across upstream assets and production environments.
- ✓ Apply key principles of production optimization and well performance management.
- ✓ Understand health, safety, environmental, and operational risks associated with upstream activities.
- ✓ Evaluate the role of technology, automation, and digital solutions in modern upstream operations.
- ✓ Analyze key operational and financial performance indicators used in upstream oil and gas.

- ✓ Understand the impact of global market conditions, regulations, and industry trends on upstream operations.
- ✓ Support better technical and operational decision-making across the upstream value chain

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## Global Upstream Oil & Gas Operations

### Course Outline

#### ✓ Day 01

##### **Global Upstream Oil & Gas Industry and Asset Lifecycle**

- ✓ Global Upstream Industry Structure
- ✓ Understanding the global upstream oil and gas industry
- ✓ Exploring the upstream value chain
- ✓ Understanding major upstream business segments
- ✓ Examining conventional and unconventional resources
- ✓ Understanding major operational and commercial drivers
- ✓ Recognizing global trends affecting upstream operations

##### **Upstream Asset Lifecycle and Value Chain**

- ✓ Understanding the upstream asset lifecycle
- ✓ Connecting exploration, development, and production
- ✓ Understanding major decision stages across the lifecycle
- ✓ Identifying interfaces between technical disciplines
- ✓ Understanding asset value creation across lifecycle stages
- ✓ Establishing an integrated view of upstream operations

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## Global Upstream Oil & Gas Operations

### Course Outline

#### ✓ Day 02

##### **Exploration, Appraisal and Field Development**

- ✓ Exploration and Subsurface Evaluation
- ✓ Understanding petroleum exploration objectives
- ✓ Exploring geological and geophysical evaluation
- ✓ Understanding prospect identification and maturation
- ✓ Examining resource and reserve concepts
- ✓ Understanding appraisal activities and uncertainty
- ✓ Connecting subsurface knowledge with development decisions

##### **Field Development Planning**

- ✓ Understanding field development concepts
- ✓ Evaluating development options and configurations
- ✓ Connecting reservoir characteristics with development plans
- ✓ Understanding production system requirements
- ✓ Considering infrastructure and operational requirements
- ✓ Establishing integrated field development priorities

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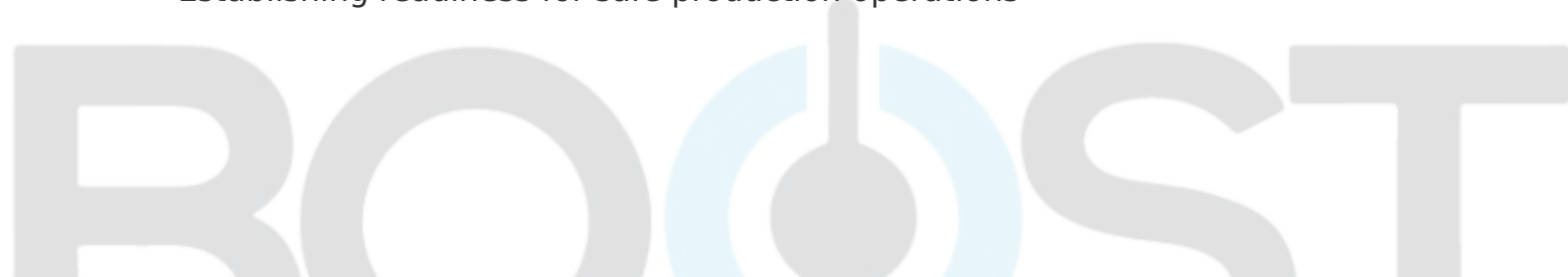
#### ✓ Day 03

##### **Drilling, Well Construction and Completion**

- ✓ Drilling Operations and Well Construction
- ✓ Understanding the purpose and stages of drilling
- ✓ Exploring well planning and design considerations
- ✓ Understanding drilling operations and equipment
- ✓ Examining well construction risks and constraints
- ✓ Understanding formation and well integrity considerations
- ✓ Connecting drilling activities with field development objectives

##### **Well Completion and Production Readiness**

- ✓ Understanding well completion objectives
- ✓ Exploring completion systems and configurations
- ✓ Understanding well testing and production readiness
- ✓ Identifying interfaces between completion and production
- ✓ Understanding well handover requirements
- ✓ Establishing readiness for safe production operations



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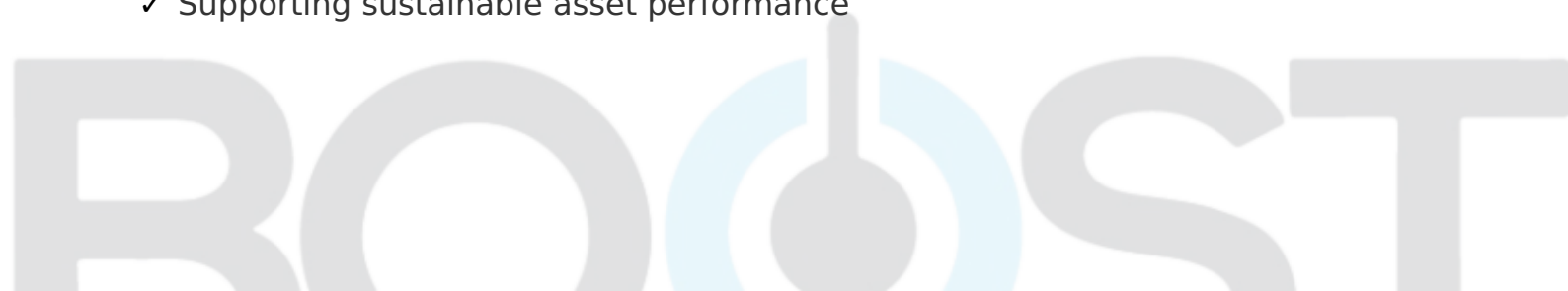
#### ✓ Day 04

##### **Production Operations and Asset Management**

- ✓ Upstream Production Operations
- ✓ Understanding oil and gas production systems
- ✓ Exploring surface and subsurface production interfaces
- ✓ Understanding production monitoring and performance
- ✓ Identifying common production constraints
- ✓ Understanding operational coordination across production functions
- ✓ Connecting production activities with asset objectives

##### **Asset Integrity and Production Performance**

- ✓ Understanding upstream asset integrity principles
- ✓ Managing equipment and facility performance
- ✓ Understanding production reliability and availability
- ✓ Identifying operational degradation and performance risks
- ✓ Connecting integrity with production continuity
- ✓ Supporting sustainable asset performance



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### Course Outline

#### ✓ Day 05

##### **Integrated Upstream Operations and Asset Value**

- ✓ Integrated Field Operations and Cross-Functional Coordination
- ✓ Understanding integrated upstream operating models
- ✓ Coordinating subsurface, drilling, production, and facilities functions
- ✓ Managing operational interfaces and dependencies
- ✓ Supporting integrated planning and decision-making
- ✓ Aligning technical and operational priorities
- ✓ Strengthening cross-functional asset performance

##### **Upstream Asset Optimization and Long-Term Value**

- ✓ Understanding upstream asset optimization principles
- ✓ Identifying opportunities to improve asset performance
- ✓ Balancing production, integrity, cost, and risk considerations
- ✓ Understanding lifecycle value optimization
- ✓ Supporting long-term asset sustainability
- ✓ Aligning operations with strategic asset value objectives



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## Global Upstream Oil & Gas Operations

### Confirmed Sessions

| FROM           | TO             | DURATION | FEES       | LOCATION         |
|----------------|----------------|----------|------------|------------------|
| Oct. 18, 2026  | Oct. 22, 2026  | 5 days   | 4250.00 \$ | Egypt , Cairo    |
| Jan. 3, 2027   | Jan. 7, 2027   | 5 days   | 4250.00 \$ | KSA , Riyadh     |
| April 12, 2027 | April 16, 2027 | 5 days   | 4250.00 \$ | UAE , Dubai      |
| July 19, 2027  | July 23, 2027  | 5 days   | 4950.00 \$ | England , London |

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