



World-Class Digital (Intelligent) Oilfields Implementation

Date	Venues	(\$Fees	Book your seat
14 Apr -18 Apr 2024	Bahrain	2900	Register Now

Introduction

Digital Oilfield is a concept of real-time optimization of an asset or group of assets through integration of people, tools and business process using state-of-the-art facility resulting in realizing the optimum value of an asset.

Key benefits of Digital Oilfield Implementation include:

- Real-time production optimization resulting in production increase.
- Remote support resulting in reduction of field-crew / quick turnaround time
- Reduced NPT through concurrent planning operation
- Reduction in risk exposure (HSES) / travels
- Field life extension through effective field management
- Enhanced team integration with effective situational awareness

Digital Oilfield has been implemented globally across different assets and has proven-record of over 5% production increase post implementation. This concept is really not new in the oil and gas industry but the technology and business process driving it is constantly evolving.

Training and retraining of domain experts has been identified as crucial in realizing and sustaining the benefits of the implementation. Hence, this seminar will elicit the ingredients of world-class digital oilfield implementation while highlighting challenges of its implementation and how to sustain a top-quartile asset performance in Collaborative Environment.

This training seminar will feature:

- Overview of Integrated Operations
- Real-time Production Operations
- Digital Oilfield Implementation
- Collaborative Environment Business Process
- Sustainability of DOF Benefits Realization

Objectives

The goal of this seminar will focus on the following objectives:

- Principles of World-Class Digital Oilfield Implementation
- Common challenges associated with Digital Oilfield Implementation
- Highlight Best Practice in Collaborative Environment Business Processes with case studies
- Provide strategy for World-Class Digital Oilfield Implementation

At the end of this training seminar, you will learn to:

- Develop fit-for-purpose Digital Oilfield Project
- Understand the pitfalls of Digital Oilfield Implementation
- Recognize how to build business process for Collaborative Environment
- Develop strategy for benefit realization
- Develop sustainability framework for DOF Implementation

Training Methodology

The training will be in a workshop format with strong emphasis on industry best practice alongside an interactive approach from all participants.

Who Should Attend?

This seminar is suitable to a wide range of professionals but will greatly benefit:

- Project Managers
- Production Operators
- Field Production Personnel / Supervisors / Superintendents
- Production Engineers
- Asset Managers
- Asset Support Engineers
- Reservoir Engineers
- Process Engineers
- Planning Engineers
- Production Accountants

SEMINAR OUTLINE

DAY 1

General Principles of World-Class Digital Oilfield Implementation

- Introduction to Digital Oilfield Concept
- Relevant Technology / Tools of Digital Oilfield
- Required Infrastructure for Digital Oilfield Implementation
- Data Acquisition / Quality
- People & Processes

DAY 2

Digital (Intelligent) Oilfield Implementation

- Field Assessment
- Project Conceptual Design
- Project Detail Design
- Deployment
- Benefits Realization & Sustainability

DAY 3

Success Factors of Digital Oilfield Implementation

- Project Definition

- Corporate Structure
- Relevant Resources to Drive the Implementation
- Experienced Personnel in DOF Projects
- Post Implementation Review

DAY 4

Collaborative Environment

- Principles of Collaborative Work Environment
- Domain Experts & Required Technology
- CWE Business Workflow
- Developing asset-specific business process
- Strategy in process embedment

DAY 5

Performance Review

- Case Study
- General Course Review
- Assessment of Participants
- Feedback
- Closing Remarks



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