

IT INNOVATION FOR MANAGERS IN THE OIL & GAS INDUSTRY FOR MANAGERS

“Unlock the potential of IT innovation to transform operations, boost efficiency, and future-proof your organization.”

Schedule

Venue	Fees
In-House	ASK FOR THE QUOTATION

Introduction

This 5-day course is tailored for oil & gas managers looking to understand and harness the power of emerging IT innovations such as AI, cloud computing, IoT, blockchain, digital twins, and data analytics. With the industry under pressure to enhance performance while reducing risks and costs, IT has become a strategic enabler of agility, transparency, and predictive capability. The course bridges technical concepts with managerial insight to equip decision-makers with a competitive digital edge.

Objectives

- Participants will:
- Understand the digital technology landscape relevant to oil & gas operations
 - Analyze the strategic role of IT innovation in upstream, midstream, and downstream
 - Explore real-world use cases, risks, and benefits of emerging technologies
 - Gain tools to plan, prioritize, and lead digital transformation
 - Align IT initiatives with business value, safety, and sustainability goals

Why Attend

As energy markets and environmental demands evolve, oil & gas companies must embrace innovation to stay competitive. This course provides a high-impact, managerial overview of the IT innovations shaping the industry's future—without requiring deep technical background.

Target Audience

- General Managers & Operations Managers
- Digital Transformation & Strategy Leaders
- HSE, Maintenance, and Asset Management Heads
- IT & OT Integration Managers
- Finance & Innovation Executives
- Business Analysts and Project Leaders

Individual Benefits

- Learn to evaluate and manage technology-driven change
- Develop IT innovation strategies tied to measurable ROI
- Communicate effectively with technical teams and external solution providers

Organizational Benefits

- Accelerate the adoption of value-creating technologies
- Improve integration of IT with operational goals
- Reduce inefficiencies and future-proof your workforce
- Foster a culture of innovation and agility

Instructional Methodology

- Interactive lectures with real industry examples
- Technology demo sessions & innovation labs
- Strategy workshops and peer discussion groups
- Roadmap planning exercises and innovation scoring tools

Course Outline

DETAILED 5-DAY COURSE OUTLINE (CUSTOMIZABLE)

Training Hours: 7:30 AM – 3:30 PM

Daily Format: 3–4 Learning Modules | Coffee Breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Understanding the Digital Oil & Gas Landscape

Module 1: The Fourth Industrial Revolution and Digital Oilfield Trends (07:30 – 09:30)

Module 2: The Role of IT Innovation in Competitive Strategy (09:45 – 11:15)

Module 3: IT vs OT – Integration and Convergence (11:30 – 01:00)

Module 4: Global Benchmarking: Who’s Leading in Digital Transformation? (02:00 – 03:30)

Day 2: Key Emerging Technologies in Oil & Gas

Module 1: Artificial Intelligence & Machine Learning (07:30 – 09:30)

Module 2: IoT, Smart Sensors, and Edge Computing (09:45 – 11:15)

Module 3: Cloud Platforms & Cybersecurity in the Oilfield (11:30 – 01:00)

Module 4: Innovation Lab: Selecting Tech for Your Business Problem (02:00 – 03:30)

Day 3: Data-Driven Decision Making & Automation

Module 1: Big Data, Advanced Analytics, and Dashboards (07:30 – 09:30)

Module 2: RPA, Workflow Automation, and AI-Driven Planning (09:45 – 11:15)

Module 3: Blockchain for Asset Integrity, Contracts & Compliance (11:30 – 01:00)

Module 4: Case Study: Digitally Transforming a Downstream Asset (02:00 – 03:30)

Day 4: Innovation Management, Risks, and Change Leadership

Module 1: Innovation Governance, KPIs & Digital Risk Management (07:30 – 09:30)

Module 2: Leading Technology-Driven Change & Upskilling Workforce (09:45 – 11:15)

Module 3: Culture, Collaboration, and Agile Management in Energy Sector (11:30 – 01:00)

Module 4: Group Exercise: Create an Innovation Culture Framework (02:00 – 03:30)

Day 5: Strategic Roadmapping and Future Technologies

Module 1: Building Your Innovation Roadmap – Strategy Toolkit (07:30 – 09:30)

Module 2: Next Frontier: Digital Twins, Metaverse & Energy AI (09:45 – 11:15)

Module 3: Pitch Session: Innovation Plan for Your Organization (11:30 – 01:00)

Module 4: Feedback, Wrap-up, and Innovation Charter Distribution (02:00 – 03:30)

Certification

Participants will receive a **Certificate of Completion – IT Innovation for Managers in the Oil & Gas Industry**, signifying their readiness to lead and manage innovation-driven transformation projects.

Why Choose MAWA Events

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