

IT PROJECT MANAGEMENT IN THE OIL & GAS INDUSTRY FOR MANAGERS

“Master the skills to lead IT projects from conception to completion in complex oil & gas environments.”

Schedule

Venue	Fees
In-House	ASK FOR THE QUOTATION

Introduction

This 5-day intensive course equips oil & gas managers with essential skills to plan, execute, and oversee successful IT projects that align with operational goals and regulatory frameworks. Focused on the unique challenges of the energy sector—including remote operations, safety-critical systems, and multi-vendor environments—this course provides an actionable framework for managing digital transformation initiatives, software deployments, system upgrades, and data integration projects effectively.

Objectives

Participants will:

- Understand the project lifecycle and IT governance models in energy settings
- Learn to define, scope, and budget IT projects with ROI in mind
- Master risk, stakeholder, and vendor management practices
- Apply agile and hybrid project methodologies tailored to oil & gas
- Build project dashboards and monitoring KPIs for timely delivery

Why Attend

IT projects in the oil & gas industry are high-stakes and often cross multiple business units, sites, and countries. This course empowers managers to reduce cost overruns, avoid delays, and deliver IT initiatives that enhance safety, reliability, and profitability.

Target Audience

- IT, OT, and Digital Transformation Managers
- Project Engineers & PMO Leaders
- Department Heads overseeing IT-related initiatives
- Operations, HSE, Maintenance & Supply Chain Managers
- Business Analysts & Technology Vendors
- Strategy & Innovation Officers

Individual Benefits

- Lead IT projects confidently in a high-risk, regulated environment
- Apply modern project management techniques that align with oil & gas dynamics
- Communicate effectively with technical teams and executive sponsors

Organizational Benefits

- Reduce IT project delays, scope creep, and budget blowouts
- Ensure digital initiatives meet operational and safety goals
- Improve interdepartmental collaboration on tech rollouts
- Drive innovation with structured governance and measurable results

Instructional Methodology

- Interactive lectures and real-world case studies
- Simulation exercises and live project templates
- Risk workshops, Gantt and Kanban lab sessions
- Peer group planning activities & stakeholder roleplays

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: Introduction to IT Project Management in Oil & Gas

Module 1: Fundamentals of IT Project Management (07:30 – 09:30)

Module 2: Project Types in Upstream, Midstream, and Downstream (09:45 – 11:15)

Module 3: Scoping and Initiating IT Projects (11:30 – 01:00)

Module 4: Stakeholder Analysis and Communication Plans (02:00 – 03:30)

Day 2: Project Planning Essentials

Module 1: Work Breakdown Structures (WBS) and Task Estimation (07:30 – 09:30)

Module 2: Budgeting and Resource Allocation in Oil & Gas (09:45 – 11:15)

Module 3: Gantt Charts, Scheduling & Critical Path Method (11:30 – 01:00)

Module 4: Case Study: Building a Project Plan for Pipeline IT System (02:00 – 03:30)

Day 3: Managing Risk, Quality & Vendors

Module 1: Risk Identification, Assessment & Response Planning (07:30 – 09:30)

Module 2: Quality Management & Compliance in IT Projects (09:45 – 11:15)

Module 3: Vendor Selection, Contracts & SLAs (11:30 – 01:00)

Module 4: Group Exercise: Project Risk Register Development (02:00 – 03:30)

Day 4: Agile, Hybrid & Waterfall in the Energy Sector

Module 1: Agile and Hybrid Project Frameworks (07:30 – 09:30)

Module 2: Sprints, Standups, Backlogs & Kanban Boards (09:45 – 11:15)

Module 3: Managing Change Requests and IT-OT Convergence (11:30 – 01:00)

Module 4: Workshop: Selecting the Right Delivery Method (02:00 – 03:30)

Day 5: Execution, Monitoring & Closure

Module 1: Monitoring Tools, KPIs & Dashboards (07:30 – 09:30)

Module 2: Performance Reporting and Stakeholder Engagement (09:45 – 11:15)

Module 3: Closing Projects and Lessons Learned (11:30 – 01:00)

Module 4: Final Project Presentation and Action Plan (02:00 – 03:30)

Certification

Participants will receive a **Certificate of Completion - IT Project Management in the Oil & Gas Industry for Managers**, validating their ability to manage and lead IT projects aligned with industrial goals.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
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In-House / Customized Training

Interested in running this course for your team?

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