

AI-DRIVEN ASSET MANAGEMENT IN OIL & GAS

Start Date:	26/01/2026	End Date:	30/01/2026
Categories:	Artificial Intelligence & Er	Venues:	Dubai
Formats:	In Person	Instructors:	

OVERVIEW

This course explores how artificial intelligence is revolutionizing asset management in the oil and gas sector. Participants will learn to apply AI for lifecycle management, predictive maintenance, and data-driven asset decision-making.

OBJECTIVES

- Understand AI’s role in asset integrity and reliability.
- Utilize AI tools for predictive asset lifecycle planning.
- Apply data analytics to reduce downtime and optimize performance.
- Integrate asset data with maintenance and financial systems.
- Improve ROI through smart asset strategies.

COURSE OUTLINE

- Asset Management in the Digital Age
- AI Platforms and Tools for Asset Monitoring
- Predictive Models and Machine Learning
- Integration with ERP and CMMS Systems
- Lifecycle Cost Analysis and Optimization
- Case Studies from Oil & Gas Sector

TARGET AUDIENCE

Asset managers, maintenance engineers, data analysts, and digital transformation leads.

METHODOLOGY

Tech labs, dashboards, case studies, and predictive model building.

CONCLUSION

Participants will be empowered to deploy AI strategies for efficient and proactive asset management.

DAILY AGENDA

Day 1: AI & Asset Strategies

Intro to digital asset management and AI's value proposition.

Day 2: Monitoring & Sensing

Sensors, IoT, and real-time condition data.

Day 3: Predictive Models

Machine learning for failure prediction.

Day 4: System Integration

Connecting asset data to ERP/CMMS systems.

Day 5: Optimization & ROI

Cost modeling, KPIs, and deployment planning.

For more information, please contact us:

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