

Advanced Data Management for Oil & Gas Professionals

COURSE OVERVIEW

This professional course delves into industry-specific data standards, governance practices, and digital technologies that optimize decision-making, operational efficiency, and regulatory compliance. It is designed to equip participants with the specialized knowledge and practical skills required to manage, integrate, and leverage complex datasets across the upstream, midstream, and downstream sectors. Participants will explore advanced techniques in data quality management, master data management, and the use of modern analytics and cloud-based solutions tailored to oil and gas operations.

WHO SHOULD ATTEND?

This course is ideal for mid- to senior-level professionals in the oil and gas industry, including data managers, petroleum engineers, geoscientists, IT specialists, project managers, and decision-makers responsible for data-driven strategies. It is also highly valuable for professionals transitioning into data leadership roles who want to deepen their expertise in managing technical, operational, and business data assets within complex energy environments.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Apply advanced data governance frameworks and industry standards to oil and gas operations.
- Design and implement strategies for effective master data and reference data management.
- Utilize digital platforms, analytics tools, and cloud-based systems to optimize workflows.
- Enhance decision-making through improved data quality, integration, and visualization.
- Address compliance and security challenges in managing sensitive energy data.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Industry-focused case studies and real-world data scenarios.
- Hands-on exercises with leading data management and visualization tools.
- Coverage of international standards such as PPDM, ISO 15926, and Energistics.
- Practical insights into digital transformation in oil and gas.
- Guidance from experienced faculty with deep industry and technical expertise.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded