

Hydrogen Economy and Future Fuels for Oil & Gas Transition

COURSE OVERVIEW

This course gives an exploration of the hydrogen economy and the role of future fuels in driving the transition of the oil and gas sector toward a low-carbon future. It covers the fundamentals of hydrogen production, storage, transportation, and utilization, along with emerging technologies and business models that support decarbonization. The course blends technical, economic, and strategic perspectives to equip learners with a well-rounded understanding of how hydrogen and future fuels can reshape the energy landscape. Participants will gain insights into global policies, market trends, investment opportunities, and the integration of hydrogen and alternative fuels within existing energy systems.

WHO SHOULD ATTEND?

The course is tailored for professionals in the oil and gas, energy, and petrochemical sectors, including engineers, project managers, policymakers, sustainability officers, and business strategists seeking to understand the implications of hydrogen and alternative fuels. It is equally relevant for investors, researchers, and individuals aiming to broaden their expertise in energy transition pathways and the opportunities arising from hydrogen technologies.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Understand the science, technologies, and value chain of hydrogen and alternative fuels.
- Analyze the role of hydrogen in the energy transition and its impact on the oil and gas sector.
- Evaluate policy, regulatory, and market drivers shaping the global hydrogen economy.
- Assess technical, economic, and safety considerations in hydrogen projects.
- Develop strategies for integrating hydrogen and future fuels into business models and energy systems.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- Comprehensive coverage of hydrogen production methods (blue, green, and beyond).
- Case studies from global oil and gas transition projects.
- Insights into policies, regulations, and international collaborations.
- Practical discussions on challenges, risks, and investment opportunities.
- Exposure to the latest research, technologies, and future fuel innovations.

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