

Energy Transition Strategies: Hydrogen, Renewables & the Future of Downstream

COURSE OVERVIEW

This course examines how energy companies can navigate the shift from conventional fossil fuels to low-carbon alternatives. The course content covers hydrogen technologies, renewable energy integration, decarbonization strategies, and the evolving downstream sector. Participants will gain insights into policy frameworks, market trends, and technological innovations shaping the energy transition. Through case studies and practical exercises, participants will also acquire the skills to design actionable strategies that optimize operational performance, sustainability, and competitiveness in the evolving energy landscape.

WHO SHOULD ATTEND?

This course is designed for professionals in the oil, gas and energy sectors, including managers, engineers, strategists, policy makers and decision makers involved in downstream operations, sustainability planning and energy transition projects. It is also valuable for consultants, investors and stakeholders seeking to understand emerging trends and position their organizations competitively in the changing energy ecosystem.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Understand the role of hydrogen and renewables in global energy transition strategies.
- Analyze the implications of new technologies and policies for downstream operations.
- Evaluate investment and innovation opportunities in clean energy pathways.
- Develop strategies to integrate sustainability and resilience into downstream business models.
- Apply scenario-based thinking to anticipate future challenges and opportunities.
- Deploy digital tools and data analytics to optimize energy transition planning and decision-making.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- The strategies driving the shift toward renewable energy and decarbonization.
- The importance of policies, incentives, and market mechanisms in energy transition.
- The role of green hydrogen, biomass, and energy efficiency in future energy systems.
- How to analyze regional and national energy roadmaps to support sustainable growth.
- Challenges and opportunities in investing in clean energy infrastructure.
- The significance of global collaboration and innovation for a resilient energy future.

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