

LNG and Low Carbon Fuels Market Fundamentals

This course provides a fundamental understanding of how the global LNG markets are structured and priced, and how low carbon fuels will increasingly play an important role in decarbonising selected parts of the energy system transitioning away from fossil fuels

1. Energy Transition

- What is energy transition? What are the energy transition drivers?
Climate scenarios: The future of energy

2. Emissions

- Carbon and methane intensities

3. LNG Market Overview

- Overview of the LNG supply chain
- Global LNG demand growth outlook
- New supply projects capacities
- Profiles of key and emerging LNG stakeholders, and their challenges.

4. LNG pricing

- Commercial contracts and pricing formula mechanisms

5. LNG Shipping

- How global LNG trade works
- Shipping from a trade perspective: fleet size, development, shipping cost, charter rates

6. Hydrogen

- Production and use of hydrogen
- Hydrogen derived low carbon fuels

7. Biofuels

- Supply, demand and outlook



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