

TRAINING COURSE

CCUS Market Fundamentals

Carbon capture, utilization, and storage (CCUS) is a key technology that can contribute to reducing emissions in key emitting sectors and to remove CO₂ from the atmosphere while also supporting the development of CO₂-based products. This course will provide an overview of the market and technology trends and provide key concepts to differentiate the challenges and opportunities that different sectors face while implementing CCUS.



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1. Status of the CCUS Market

- The potential role of CCUS in the energy transition
- Overview of current market conditions
- Summary of global policy

2. The CCUS Value Chain

- Overview of the value chain
- Global CCUS project pipeline progress by segment
- Cost analysis of CO₂ capture, transportation, and storage.
- Overview of CO₂ utilization

3. CCUS trends in chemicals and fuels applications

- Overview of the market dynamics between low-carbon fuels and CO₂ use
- Supply and demand balance for CO₂ utilization by 2030

4. Engineered carbon dioxide removal

- Overview of technologies and market trends

5. Long-Term Global Outlook for CO₂ capture installations

- S&P Global Commodity Insights' base case outlook for both near-term (2030) and long-term (2050) CO₂ capture installations
- Summary and discussion of key course topics