

Technology Scouting and Market Foresighting

Carbon Conversion and Utilization (CCU)

Quick overview

With growing focus on reducing GHG emission, our client, operating in industrial gases, wanted to understand the current status for conversion and utilization technologies, current status on the commercial products, demand of CO₂-derived products for different applications/sectors, and competitors activities across the CCU value chain.

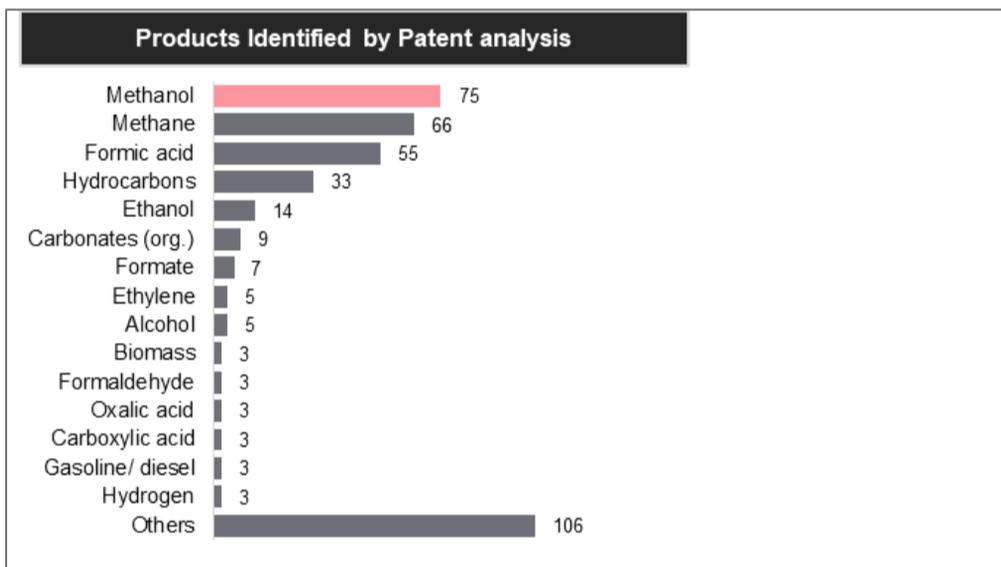
Client success

The support and insights FutureBridge delivered, helped our client in understanding the addressable market for CO₂-derived products and emerging technologies around CCU. Our analysis answered several of our client's critical business questions including:



The development and market deployment of CCU technology can become a major contributor in low carbon economy. How can energy players scale up in CCU technologies?

- What are the existing and future technologies for CCU?
- What is the addressable market for CO₂-derived products?
- Who are the existing competitors, and which applications do they cater? What is their existing business model? And, what is their IP strategy?



FutureBridge conducted extensive primary and secondary research to gain insights on the demand for CO₂-derived products and addressable CCU market. Our research included:

- Identification of CCU technologies such as electrochemical, catalytic, biological, mineralization, photocatalytic and photosynthetic
- Identification of the key technical specifications/ parameters required for CO₂-derived product for chemical intermediates, fuels, enhanced photosynthesis, mineral carbonization and EOR
- Assessment of current and forecasted demand for CCU products such as fuels, chemical intermediates, building materials, etc.
- Evaluation of competitor's existing business model.

FutureBridge further conducted Techno-economic assessment which helped the client in understanding technology gaps and need for innovation across specific areas.

Also, FutureBridge provided the analysis of existing commercial CO₂-derived products and their performance .

About FutureBridge

FutureBridge tracks from 1 to 25 years, how industries and sectors will evolve, develop, and innovate.

We keep your business ahead of the technology curve. Propel your growth, identify new opportunities, markets, and business models. We can answer your key strategic questions. Facilitate focused, tailored solutions and partnerships using our platforms and programs, with access to global information ecosystems and key industry players for their insights and expertise.