

PRESCOUTER

The CCUS Database


Your Hub for Carbon
Capture Data and
Calculations



[Request Demo](#)

www.prescouter.com





What's different about PreScouter's CCUS Database?

3 main differences



In depth Technology description

[illegible]

A diagram illustrating the expansion of SLB and Capturi. The SLB logo is on the left, and the word 'Capturi' is in the center. Four dashed green arrows point from the center towards four flags: the United Kingdom (top left), Norway (top right), Hungary (bottom left), and a flag with red, white, and blue horizontal stripes (bottom right). To the right of the Norway flag, the text '15+ more' is displayed. In the bottom right corner, there is a small inset image of a landscape with a river and greenery.

Twence-Hengelo

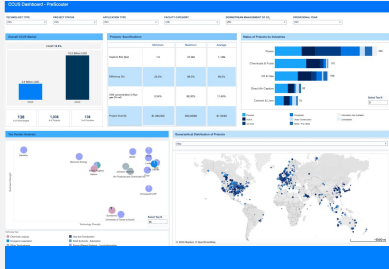
References

[illegible]

One-stop shop

Market overview

Interactive dashboards



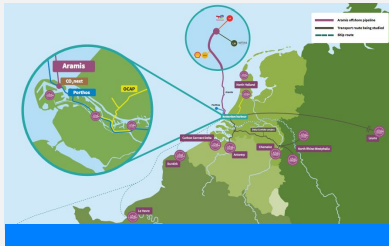
CO₂ Storage Resources

Based on maturity



Projects

Status, Funding, Technologies, CO₂ Utilization, etc.



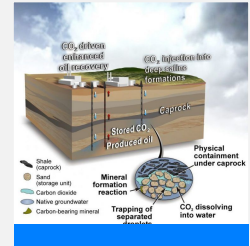
Funding

Policies and Incentives applicable to CCUS



Regulations

Applicable to CO₂ Transport & Storage



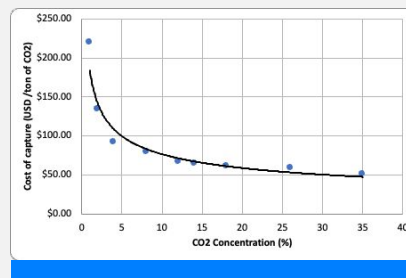
Technologies

For CO₂ Capture at all TRLs



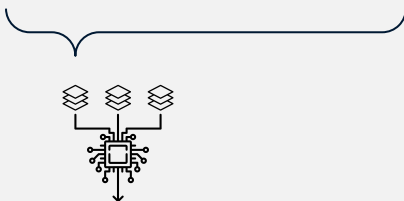
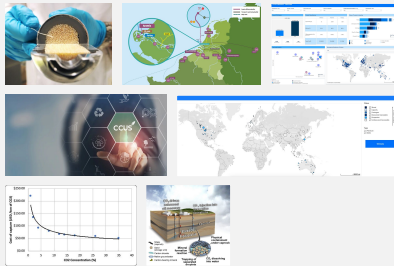
Cost Calculator

CAPEX, OPEX, LCOC

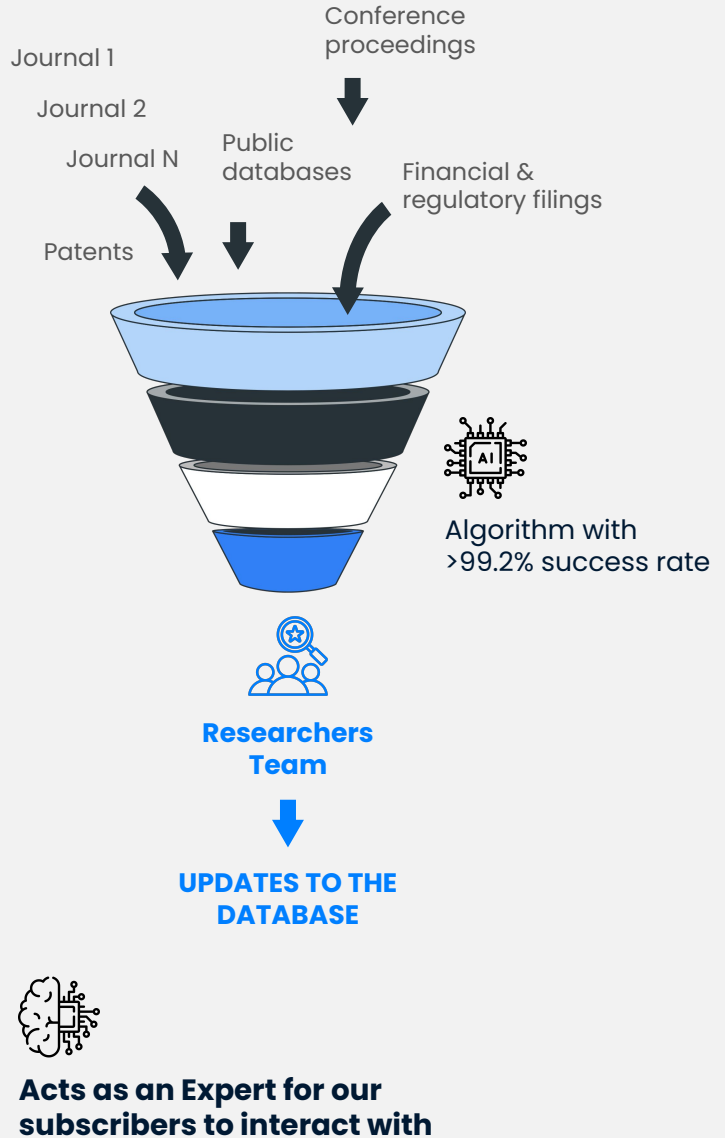


AI integration

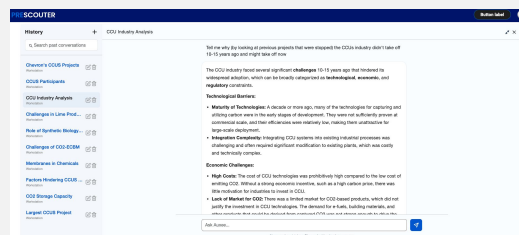
- To be able to efficiently and frequently update with the latest information
- To be able to easily interact with the database and extract unique insights and analysis




Is used to train
an AI Agent



Acts as an Expert for our
subscribers to interact with





What can it be used for?

4 example use cases

(out of many more)



Selecting the right CO₂ capture technology



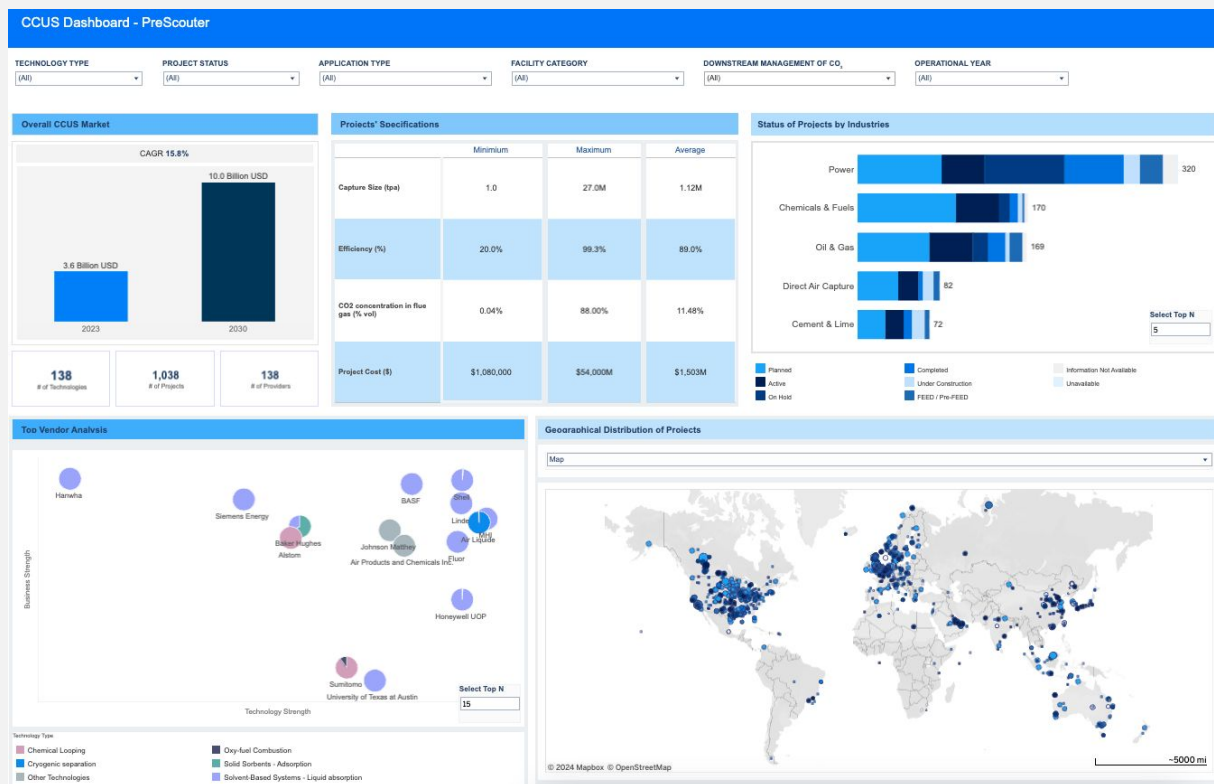
With so many options, it is difficult to assess what the best technology is.

With the database, our subscribers can select the **parameters** of relevance (CO₂ concentration, maturity, Scale, materials, industries, energy consumption, costs, and more) to down select the **best option/s**.

What is more, PreScouter is the only database that also tracks **early stage technologies (TRL<5)**, which can be used to understand the new up and coming technologies.

Understand the landscape for informed decision making

(without missing any pieces of information!)

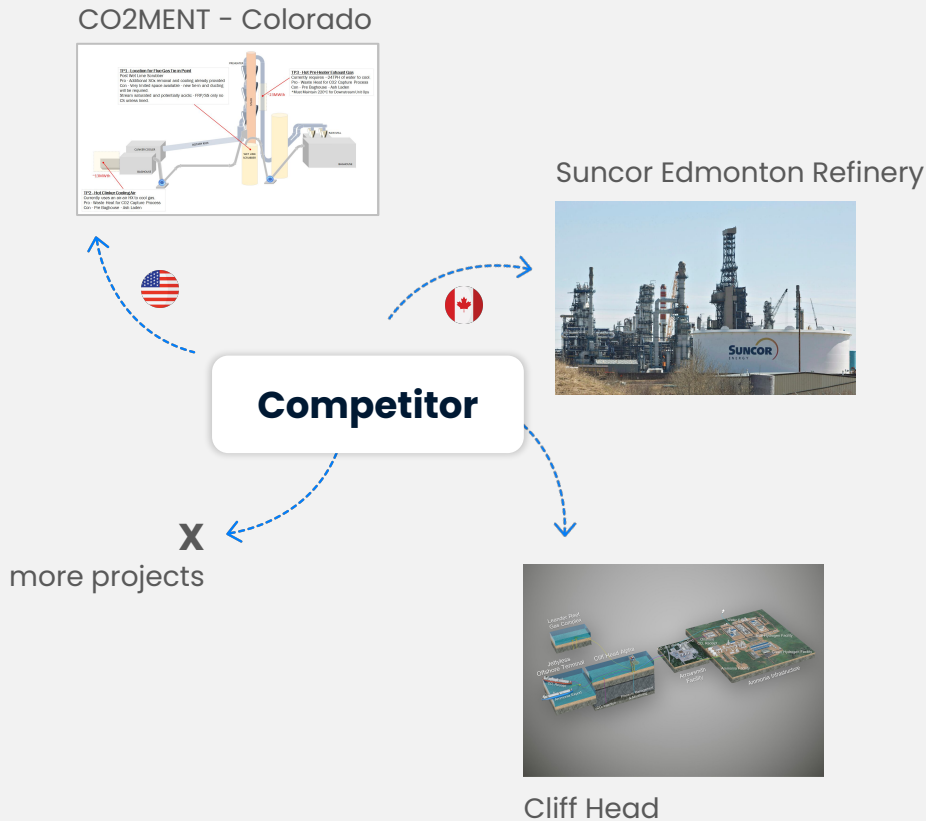


Are there relevant technologies that my team is not aware of?

Are there key projects that we need to know and track?

Are there options for CO₂ Geological sequestration nearby?

Not seeing the big picture may leave you with a narrow viewpoint in the carbon capture landscape. Dive into the technology and market landscape and leverage technology recommendations and case studies for a panoramic view of the entire carbon capture ecosystem. We are committed to have ALL the data, which is the only way for our subscribers to make informed decisions



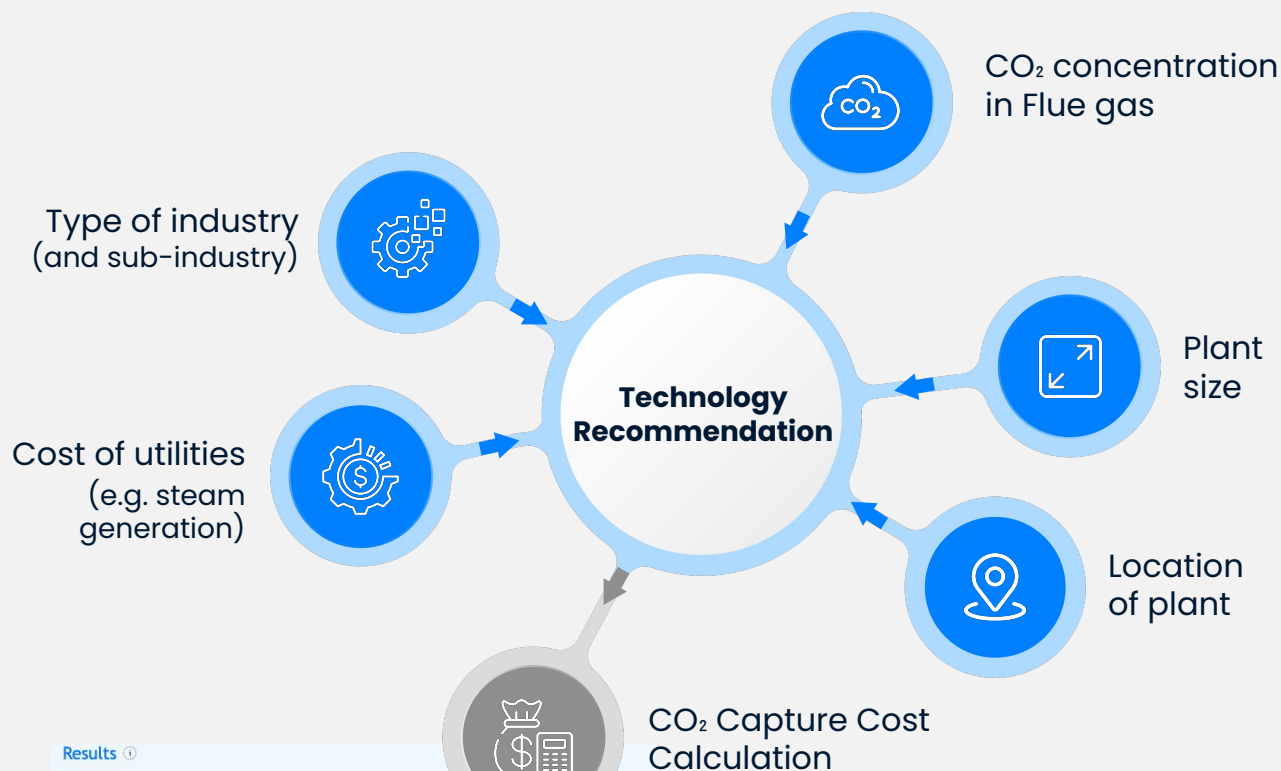
Are my competitors going for a specific type of technology?

Are my competitors getting public funding for their projects?

Are my competitors going for CO₂ Geological Sequestration or CO₂ Utilization?

Stay ahead of competitors and understand their strategy to meet your ESG goals. Discover which companies are utilizing captured carbon to achieve sustainability goals, learn about their partnerships and technological providers and more.

Calculate costs and get recommendations



Results

Size of Reference Plant	Cost of CO ₂ Captured	Total Capital Costs	Operating Costs
Million tonnes per annum (Mtpa)	\$74.89 USD/ton of CO ₂ captured	\$539.18M Million USD	\$26.96M Million USD/Year

Recommendations

Based on your flue gas composition we recommend the following technology/ies:

Technology	Best for	How it works	Advantage	Considerations
Absorption using liquid solvents	Flue gases with a relatively high CO ₂ concentration (typically >15% CO ₂ by volume)	A solvent (commonly amines like MEA, MDEA) captures CO ₂ from the flue gas in an absorption tower. The solvent, now rich in CO ₂ , is then heated in a regenerator to release the CO ₂ , allowing the solvent to be reused.	Mature technology already deployed at scale	Can be energy-intensive due to the need for solvent regeneration; solvent degradation can occur; might require pollution controls for solvent emissions.
Membrane Technology	Flue gases with varied compositions; often more effective when CO ₂ concentration is moderate (typically 5-15% CO ₂ by volume).	Membranes allow certain molecules to pass through while blocking others. In the case of carbon capture, membranes can separate CO ₂ from other flue gas components.	Potential for lower energy requirements compared to absorption; highly modular.	Membrane fouling and degradation can be issues; membrane material and type (e.g., polymeric, ceramic, metallic) should be selected based on flue gas composition and conditions; capture ..

[Click here to see similar industry projects](#)

[Click here to see suppliers of this technology](#)



Assessing investment costs usually takes us weeks to complete.
Using this tool, we had answers in less than a minute.
It was that easy!

New Carbon Ventures Analyst at a F500 Oil & Gas Company

[Request Demo](#)

THANK YOU

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