



Energy Innovation Forum 2025

In support of Canada's G7 2025 Presidency

What will it take to accelerate the scale-up of engineered CO₂ removal technologies?

Speakers



Alex Petre
CEO, Deepsky



Wendy Lam
CEO, Capsol



Christine Guyot
Director, Corporate Affairs,
Microsoft



Na'im Merchant
Executive Director, Carbon
Removal Canada

Moderator



Marcius Extavour
Partner, Ode

Speaker



Alex Petre
CEO, Deepsky

Speaker



Wendy Lam
CEO, Capsol

Carbon removal across sectors

BECCS

CEMENT

WASTE-TO-ENERGY

PULP & PAPER



STOCKHOLM EXERGI

Sweden: FID in Q1 2025

800ktpa



HOLCIM

Collaboration agreement to decarbonize plants



VARIOUS PROJECTS

Primarily Europe, growing interest in Americas



VARIOUS PROJECTS

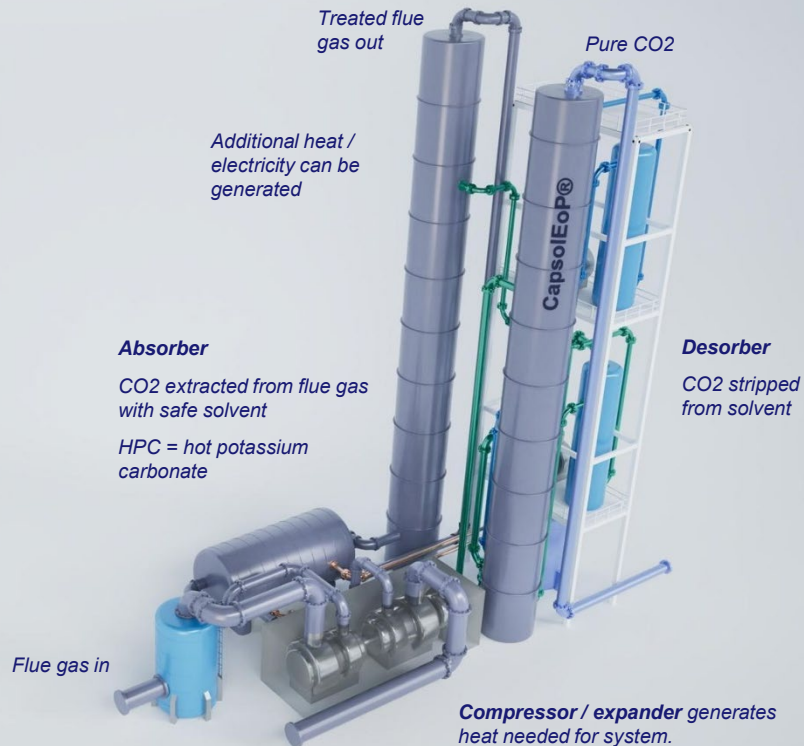
Americas, Europe

Image source: Stockholm Exergi by Urban Design; SCWHENK; Holcim

Innovating for large scale carbon

Deploying proven, existing chemistry
with power plant approach...

Removal



...while innovating further to reduce energy / cost

- Proven, safe solvent
- Easy integration, little to no water need
- Non-proprietary, affordable and widely available
- Heat generation & integration
- Regeneration
- Degradation

- Plant design & equipment
- Modularization
- HSE Improvements
- Blends, additives, promoters
- Optimized integration
- Hybrid technologies
- Project execution



Capsol innovation

- R&D Center in Norway
- 12 patent families
- Proprietary simulation model
- Joint Industry Projects
- New IP being developed continuously
- AI – machine learning, digital twins



Thank you!

Speaker



Christine Guyot
Director, Corporate
Affairs, Microsoft

Speaker



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Executive Director,
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Questions for discussion

How have large-scale projects secured financing in different countries?

What can governments do to build demand?

What are the roles of the public and private sectors in developing common standards?

What are the key risks facing innovators in the sector and what are some of the limitations that buyers are facing?

What should be the research, technology and testing priorities in the near-term (next 24 months) and over the long-term (next decade), including for MRV?



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