



CO₂ capture for a changing energy system



DUAL CHALLENGE

Changing CO₂ Landscape

- **Traditional capture systems** rely on waste heat, which disappears through **electrification**
- **Remaining CO₂ sources** (biogenic, process emissions) lack usable heat for capture
- **Grid congestion** limits power availability and electrification

→ CO₂ capture must operate **with limited heat integration** and remain **flexible under energy constraints**.

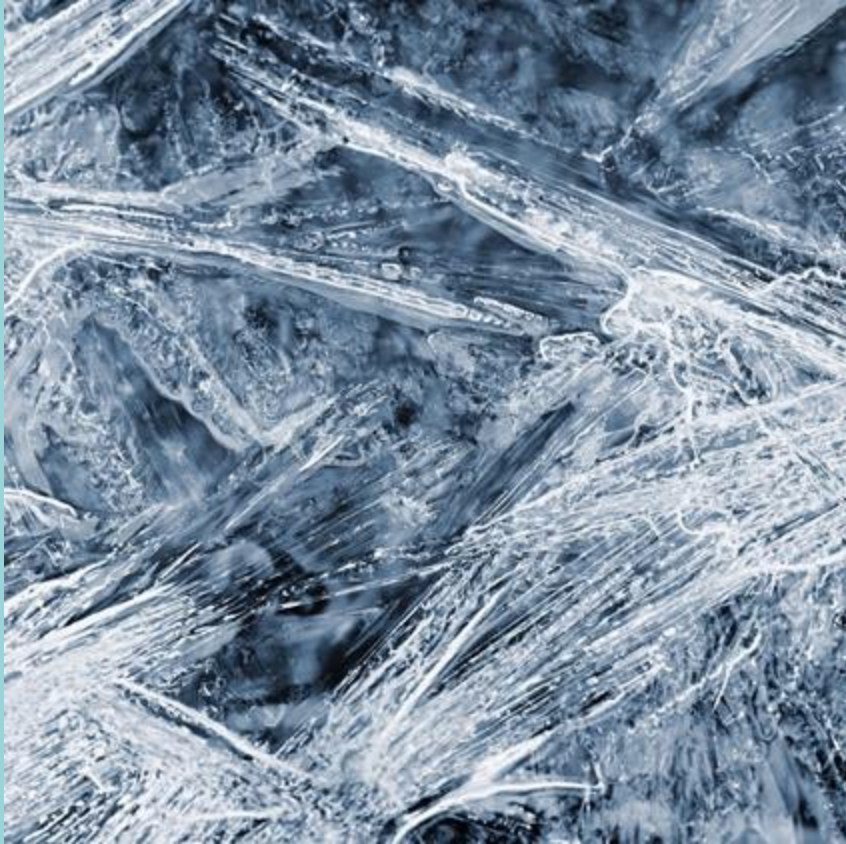




SOLUTION

Cryogenic CO₂ Capture

- Fully electric
- No chemical solvents
- Low heat requirement
- Pure, liquefied CO₂
- For traditional and electric industries
- Cold energy storage

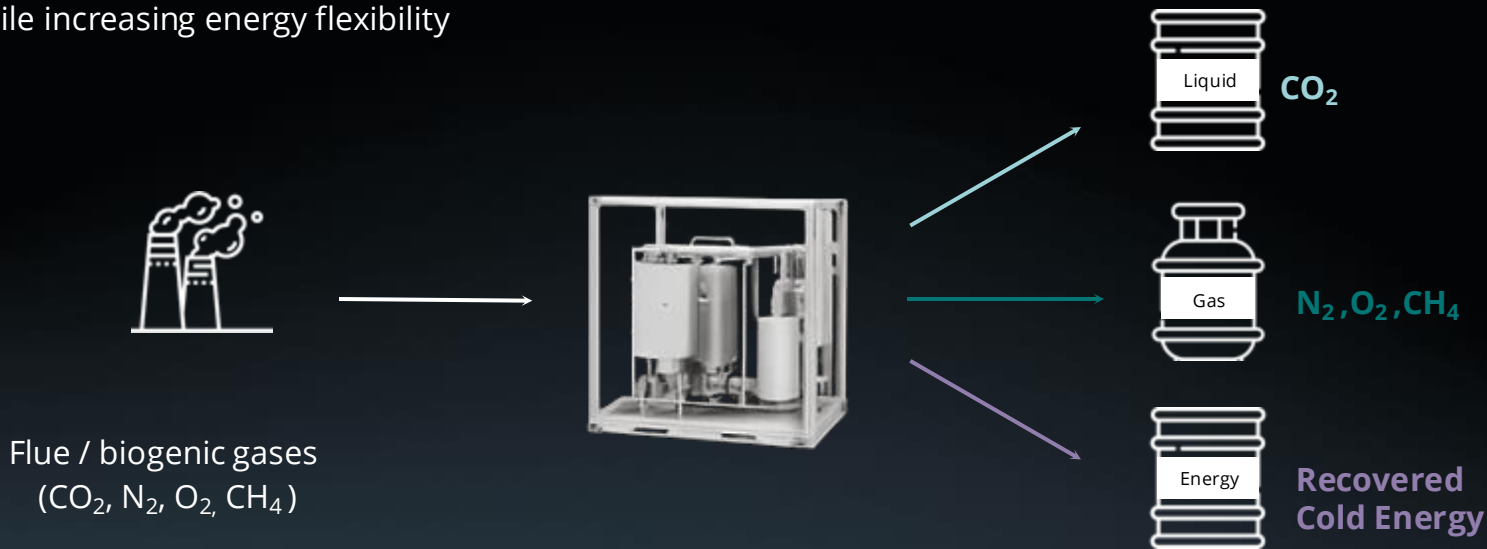




OUR SYSTEM

From Waste to Value

Cryogenic unit turning CO₂ gas streams into various outputs while increasing energy flexibility



TRL 4: Laboratory Prototype



INATMOS



AWARDS

Recognized for Innovation



Carbon Removal Challenge



TU Delft Contest



4TU Impact Challenge



SEGMENTS

Industrial Potential

- **Energy**
- **Cement**
- **Hydrogen**
- **Chemicals**
- **Biomethane**
- **Food**
- ...



MEET US

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