



**Revcoo**  
Global cooling

# *Cryogenic CO<sub>2</sub> Capture Industrial Decarbonization*

*A scalable Carbon Capture solution for Various Industries*



# Revcoo in Brief

*Mission: Retrofitting today's industry for tomorrow's low carbon-economy*

- Founded in 2019 – Vénissieux, France
- 12 engineers former experts from O&G, petrochemistry and flue gas treatment
- With the support of:



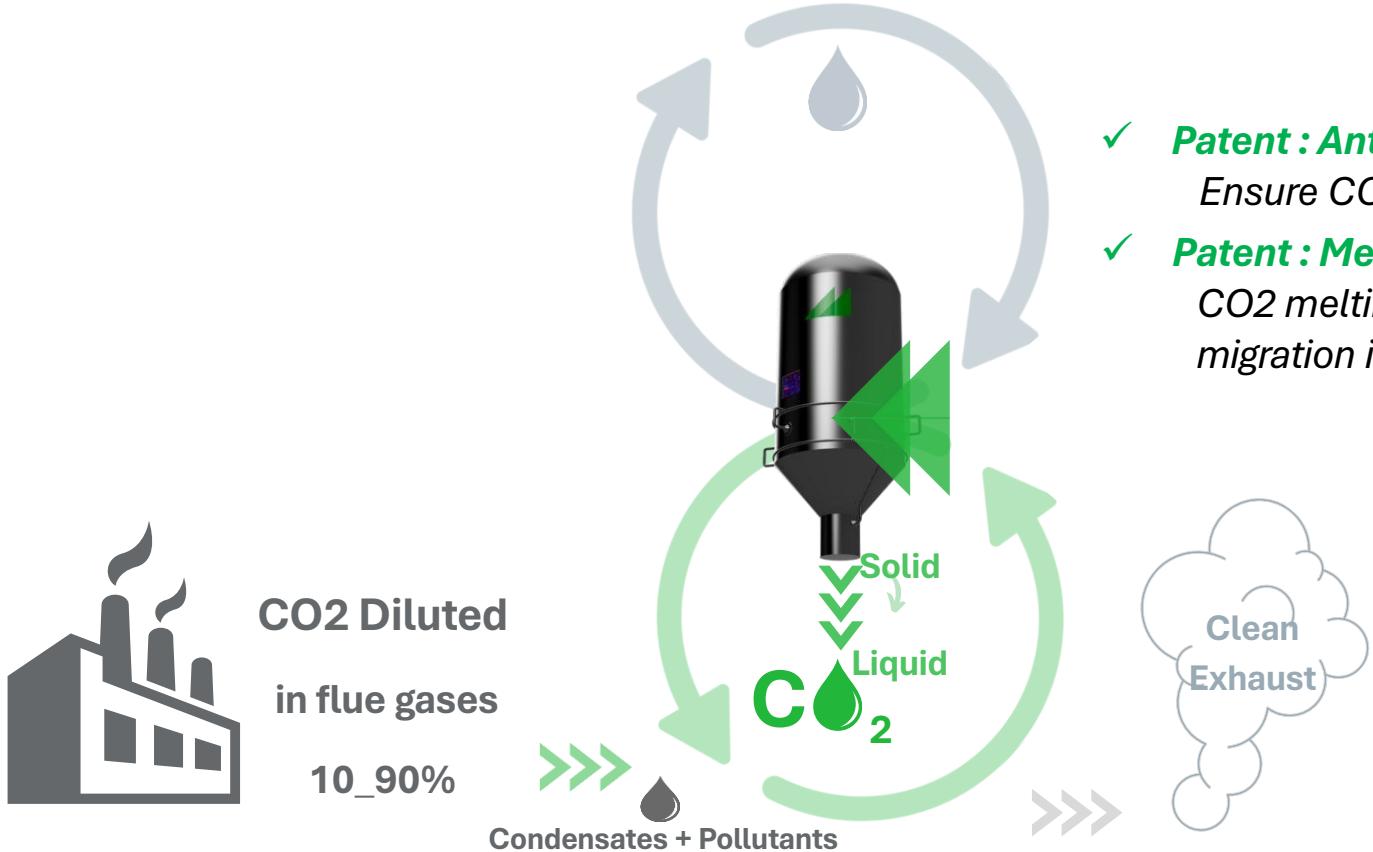
**La Région**  
Auvergne-Rhône-Alpes





## Anti-sublimation

Isolate gases as **pure** solids, **simpler** and more selective than cryogenic distillation.



## & Continuous separation

Maintain the **selectivity** of anti-sublimation prior to on-site cryogenic conditioning.

- ✓ **Patent : Anti-sublimation**

*Ensure CO<sub>2</sub> capture via high efficiency anti-sublimation*

- ✓ **Patent : Melting**

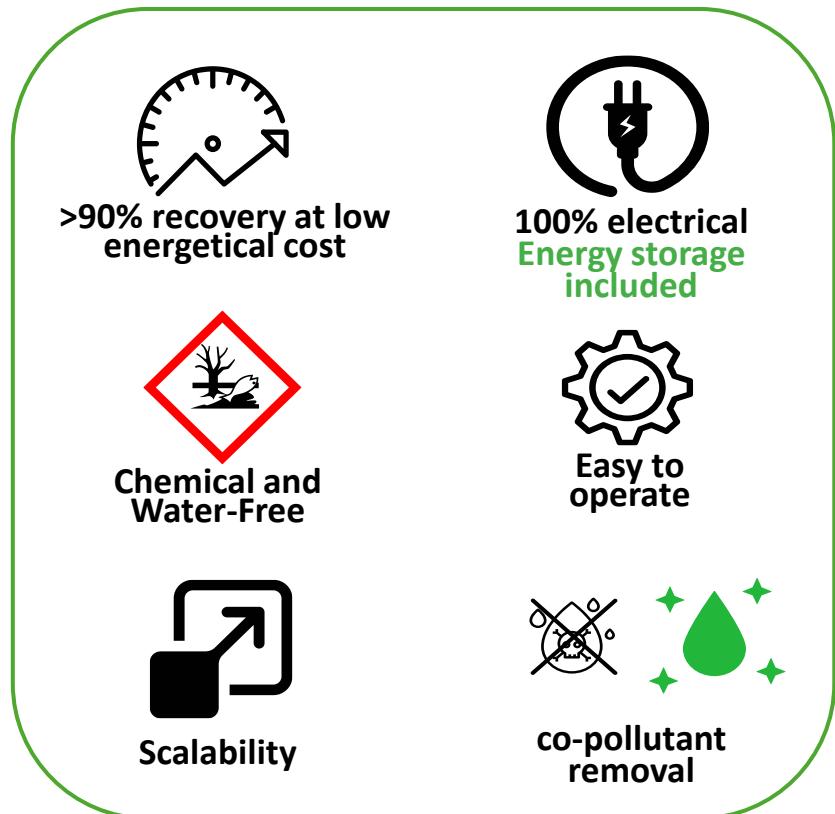
*CO<sub>2</sub> melting in controlled atmosphere to avoid pollutant migration into liquid CO<sub>2</sub>*





# CarbonCloud Concept

*Driving cost efficiency through reliable, low-risk process innovation*



- **High-purity CO<sub>2</sub>** extraction for direct use or storage
- **On-site CO<sub>2</sub> readiness**—no need to wait for future infrastructure
- **Minimal permitting** requirements for fast and flexible installation
- **Cost-competitive** deployment with scalable economics
- Carbon capture that reaches **beyond industrial hubs**—accessible anywhere



# Technology maturity

*Industrial R&D partnerships powering applied technology development*

**Revcoo**  
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**MVP**  
2020

**EIFFAGE**



**Proof Of Concept**  
2021  
[Video](#)

**MINES**  
ParisTech

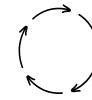


**Lab Scale**  
Prototype  
2022

**EIFFAGE**



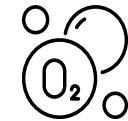
**Industrial Pilot**  
2024  
[Video](#)



**Batch process**



**Combustion biomass or  
waste energy production**



**O2 enrichment**

**Next steps**



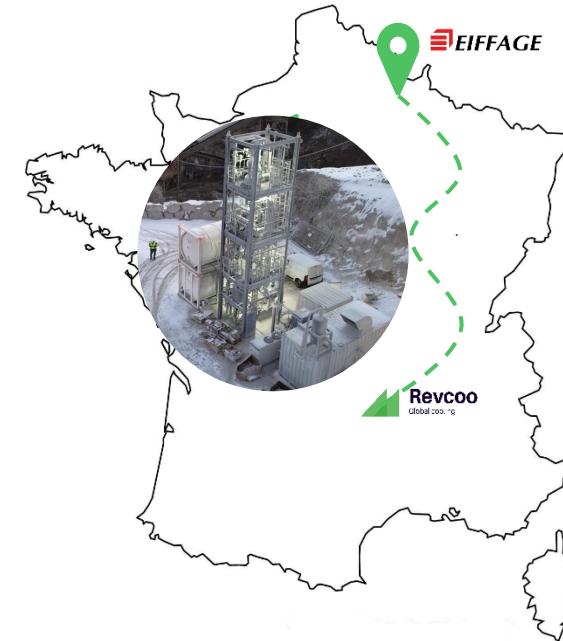
# Status

*Real-condition deployment bridging innovation and market readiness*

**4 M€ invested over 4 years,  
with a team of 12 people, 15 years average experience in O&G or chemical industry**

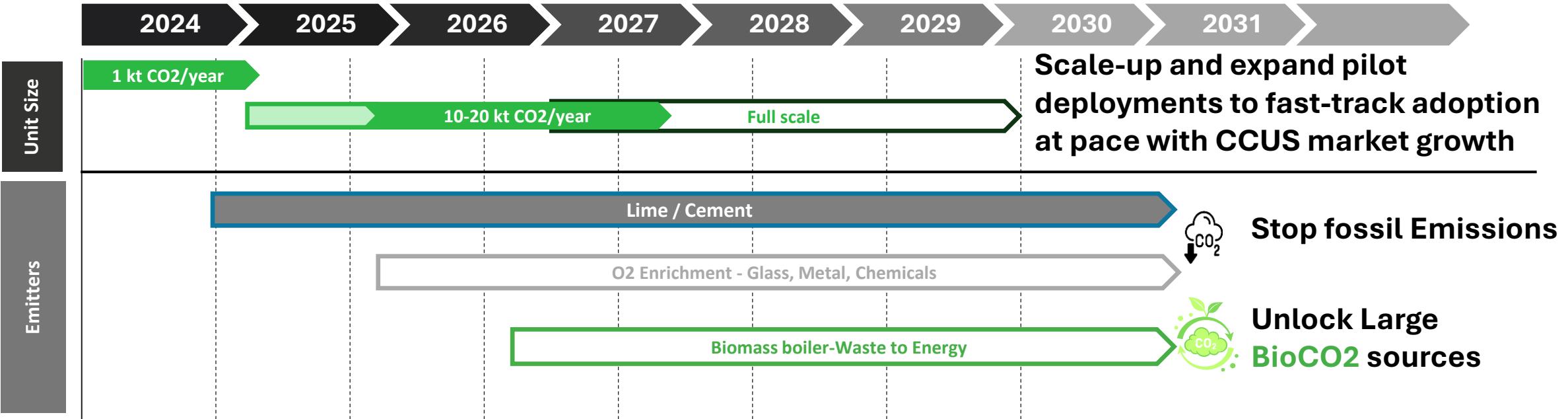
**Our Pilot, installed in 2024 is:**

- Processing 2t liquid CO<sub>2</sub>/day, 95% recovery, > 99% purity
- Operating **24/7**
- **CE** marking
- On a Lime kiln owned by Eiffage





# Scale Up Plan

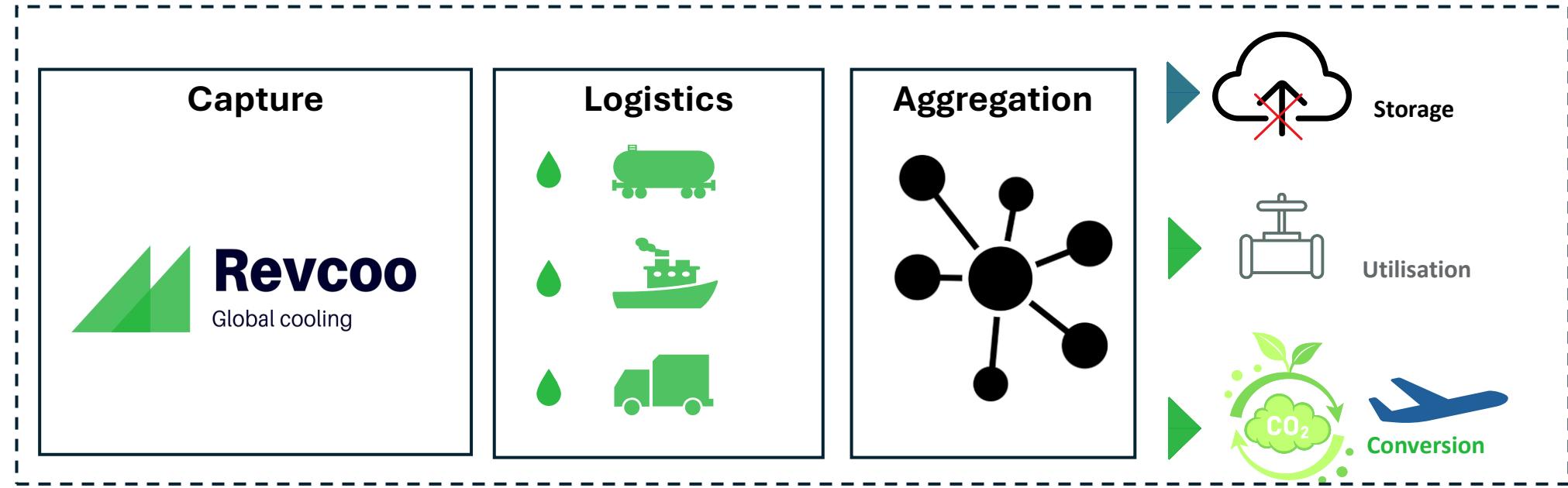




# *Business Model for dispersed Industries : Service ?*



*Capture* as service to *CO2* as service

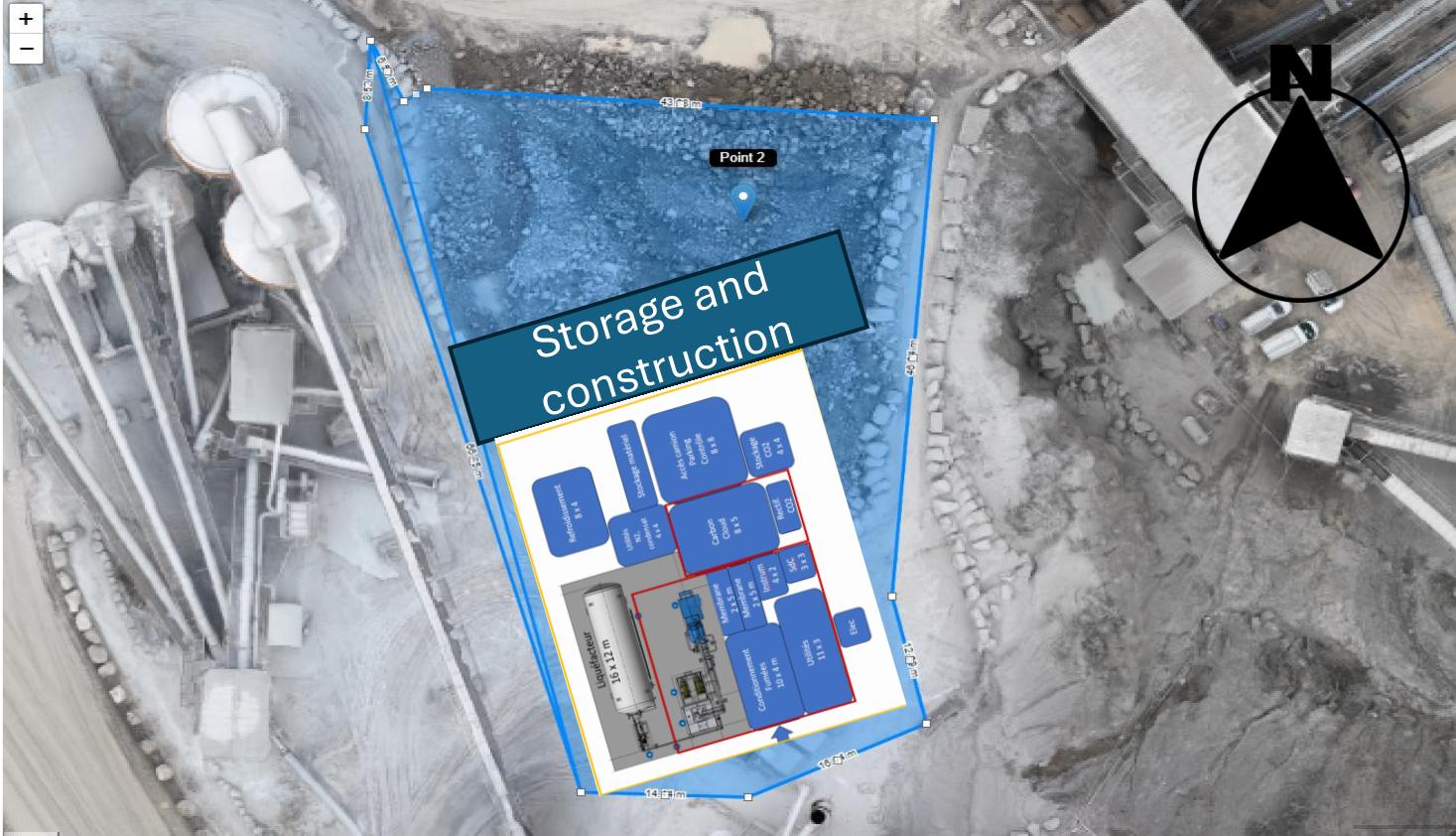


=> Calls for an industrial **consortium**



# **A F.O.A.K. of 8-10 000 t CO2 pa operational in 2028**

as a first industrial step to 300 000 tCO2 pa and More



**Accelerating the CCUS market — aligned with pre-existing ecosystems and industry realities.**

# As every day **matters** in reducing our **carbon** footprint



Be part for **GlobalCooling** with

