

# **Direct Air Capture Elevated**

# Our Mission.

**Cleaning the atmosphere of CO<sub>2</sub> by harnessing the unique power of high-altitude environments.**

- Cold + dry air = far more efficient carbon capture
- Stronger, more intense solar energy at altitude

**Building a new CO<sub>2</sub> sector in the Alps.**

- Supporting ski resorts on their path to Net Zero
- Economic diversification and local job creation





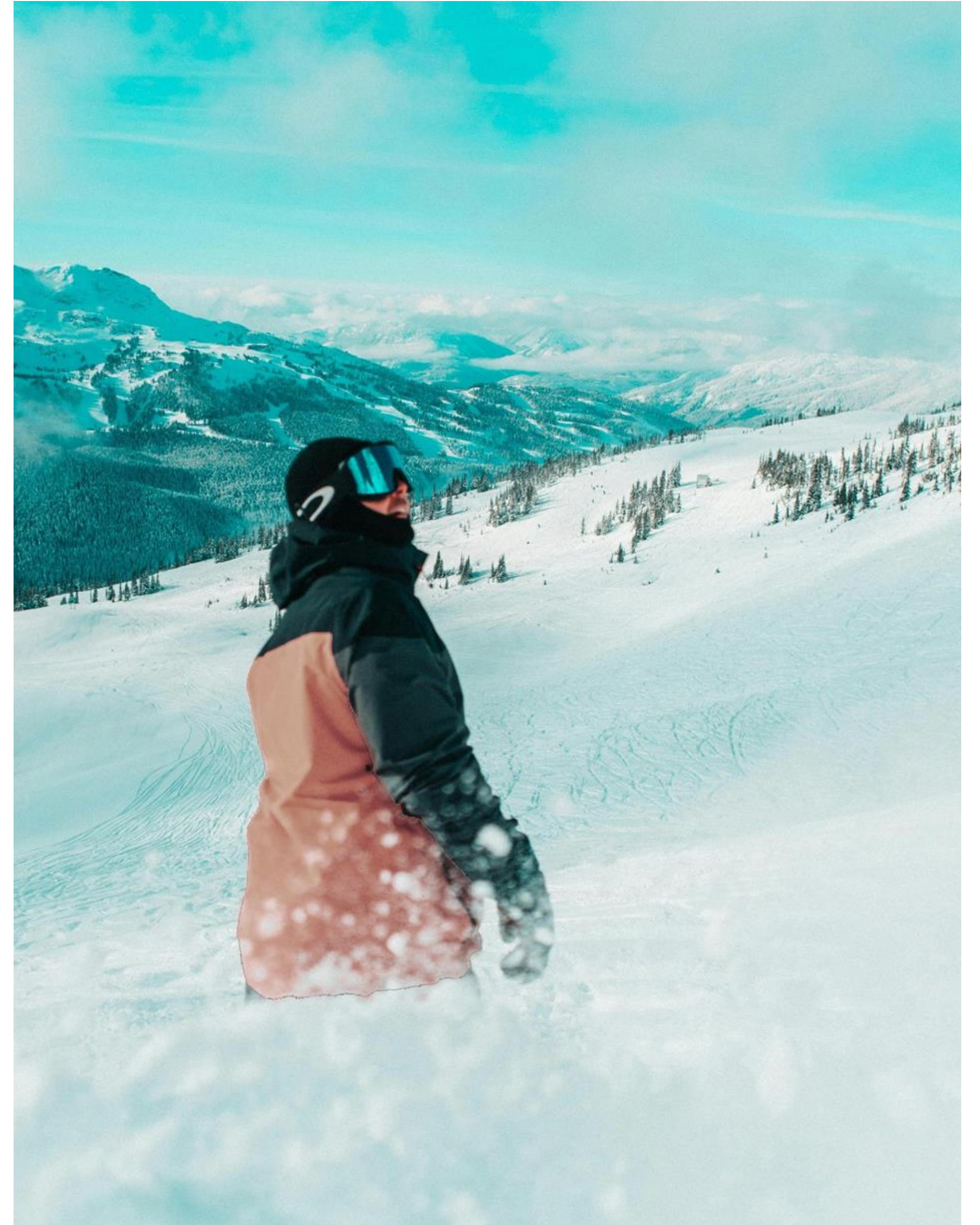
# Innovation born in the Alps for the Alps.

We're developing a technology rooted in Alpine expertise leveraging the region's deep technical skills and engineering culture while capturing atmospheric CO<sub>2</sub> with unmatched efficiency.



# Benefits for Alpine Communities.

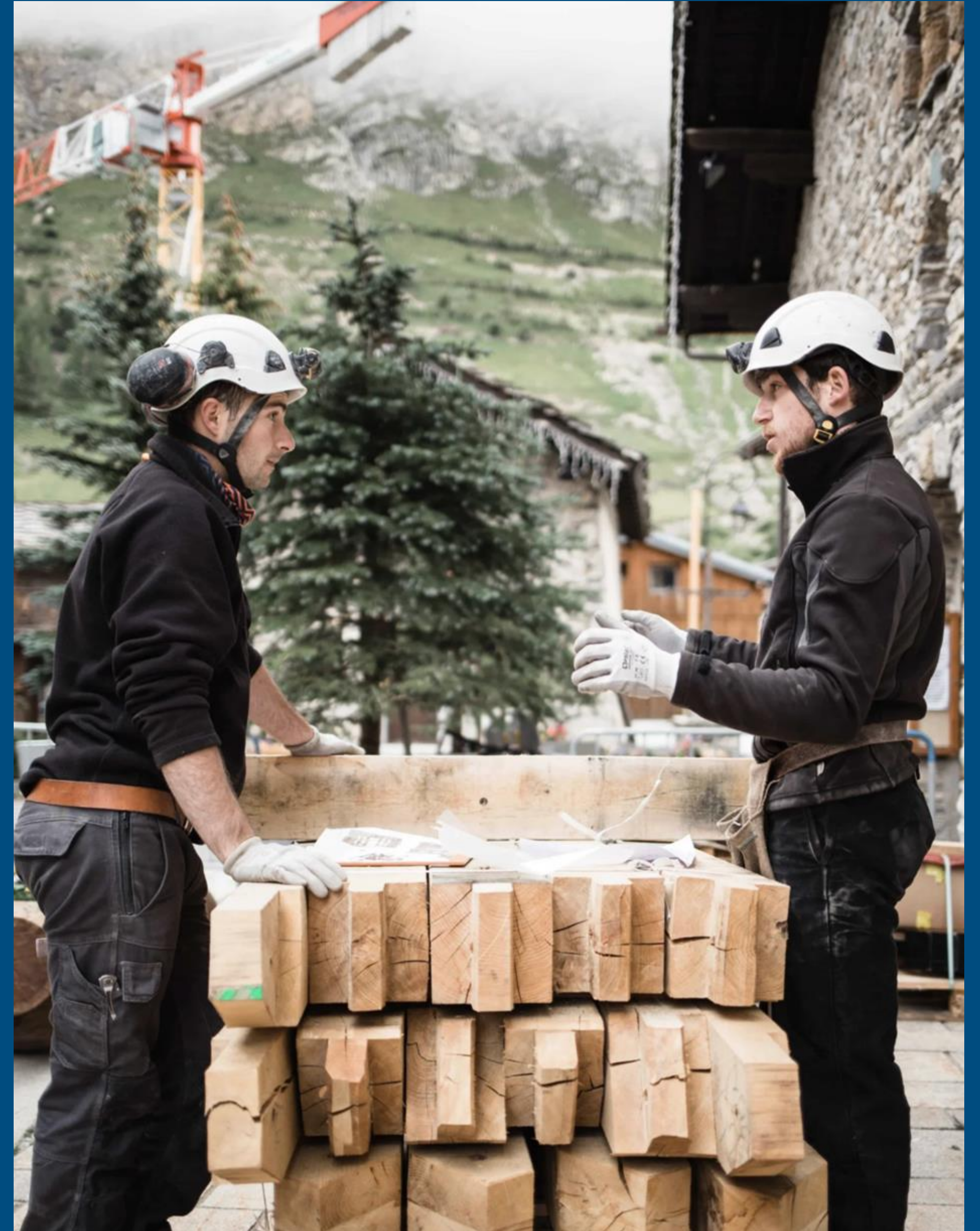
- ▶ A local pathway to Net Zero
- ▶ Economic diversification beyond skiing.
- ▶ Elevating and revitalizing existing regional expertise
- ▶ Engaging local residents in a low-carbon transition





# Benefits for Local Businesses.

- A credible, locally grounded Net Zero commitment
- Strong brand relevance and team motivation.
- High-quality, measurable, permanent carbon-removal credits
- Efficient, modular systems integrated seamlessly into local settings to enable ambitious scale-up





**Why the Mountains?  
Because the alpine  
environment shapes the  
climate we all depend on.**







# A Changing Mountain Environment.

- **Already +2°C /+1.4°C average warming in France.**
- **50% glacier loss in the last 50 years.**
- **Permafrost retreat: 2 m per year.**
- **Declining biodiversity.**
- **More rain, storms, and flood risks.**





# A Mountain Economy Under Pressure.

- Heavy dependence on tourism: €9 billion annually.
- Over 100,000 jobs at risk.
- +25% increase in artificial snow production costs in the last 10 years
- 150 of 600 ski resorts now directly threatened, 300-350 at risk by 2050.



# Our Technology is Designed for Alpine Integration.

(2 patents filed)

- **Flexible 20-ft modular units**
- **Clad in wood for seamless integration**
- **Educational installations for both locals and international visitors**
- **Ambition: 10 DACA units across the Alps by 2030, 100+ across Europe by 2050**





# A Unique & High Performance Technology.



## Reduced energy consumption.

- Thanks to our proprietary adsorption material
- Engineered specifically for altitude conditions
- 2× higher CO<sub>2</sub> uptake
- 3× faster cycles



## High-performance solar powering the DAC.

- Abundant direct sunlight
- Triple photovoltaic efficiency at altitude
- Off-grid deployment flexibility

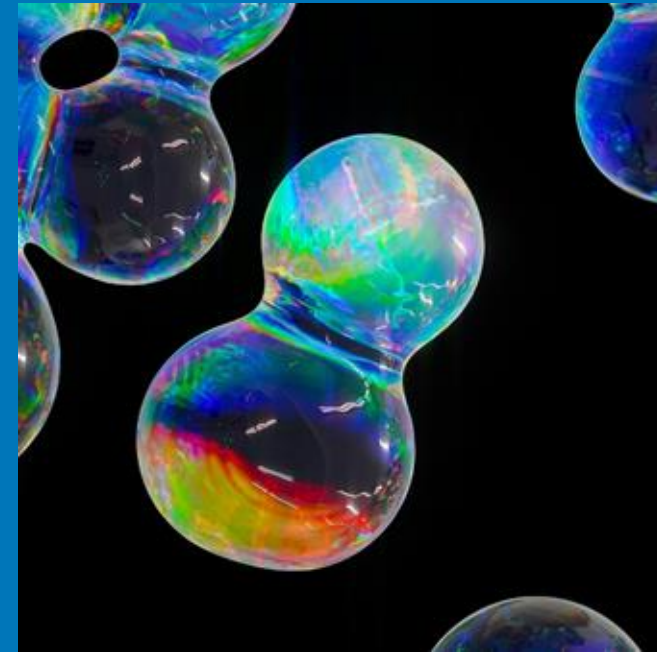


## Naturally favorable Alpine conditions.

- Cold ambient temperatures.
- Naturally dry air.
- Ideal environment for DAC efficiency.



# No Chemicals



## No Chemicals.

- No chemical solvents.
- Advanced materials capture CO<sub>2</sub> naturally.
- No reactive substances to handle or dispose.

# No Water. Thoughtful Design.



## Water-Free Operation.

- Operates without water
- Huge advantage in sensitive Alpine watersheds
- No resource draw, zero impact



## Modular & Discreet Design.

- Structures integrated into the Alpine landscape
- Aesthetic adapted to each community
- Technology that's both functional *and* beautiful





# Our First Field Pilot. Approved by Val d'Isère.

Years of research and collaboration with the CNRS-LOCIE lab at Université Savoie Mont Blanc have led us to a major milestone: our technology is now ready for the field. This winter, Val d'Isère will host our first operational pilot, a one ton CO<sub>2</sub> capture unit fully integrated into the mountain environment.

It's a meaningful first step, made possible by the town's commitment to climate leadership, and the beginning of a new chapter for Alpine carbon removal.





# Strong Partnerships

## Associations



LA  
FRENCH TECH  
**ALPES** CHAMBÉRY



## Partners.



## Financiers





# Our Founding Team.

Entrepreneurs from Val d'Isère, combining deep local roots with global experience, now fully dedicated to serving the Alps.



**Kieran O'Keeffe**



CEO + Co-fondateur



**Alice Escoffier**



COO + Co-fondateur



**Lucile Voiron**



CTO





# Thank you.

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