

Climate, environment and circular economy | CO2 capture, utilization and storage

CO_2 CAPTURE, UTILIZATION AND STORAGE

OUR STRENGTHS

Long-standing expertise in the field of gas treatment with a focus now on CO_2 capture processes.

A **pioneer** in the development of post-combustion capture technologies, notably steering the European CASTOR project.

Unique **experimental facilities** for CLC oxycombustion capture technology:
- o cold model
- o 10kW pilot
- o atomizer for particle production

Exhaustive **geoscience** expertise enabling us to propose solutions for **large-scale and secure CO_2 storage**: validated expertise throughout the storage chain, via numerous collaborative projects including:

- screening of an aquifer (the Ademe France Nord project)
- assessment of storage sites (European SiteChar project, coordinated by IFPEN and winner of the Etoiles de l'Europe award)

- monitoring and surveillance of a storage facility (European CO_2Remove project)
- abandonment study (European CO_2Care project)
- long-term surveillance tools (European Mirecol project)

Expertise in the field of Life Cycle Analysis enabling an exhaustive technical, economic and environmental approach to CCUS research.

CONTACTS



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CO2 capture, utilization and storage: Our strengths

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