



Climate, environment and circular economy

CO2 capture, utilization and storage



ifpen
Ressources
Energétiques

CO₂ CAPTURE, UTILIZATION AND

STORAGE OUR STRENGTHS

Long-standing expertise in the field of [gas treatment](#) with a focus now on CO₂ 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 CO₂ 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 [CO₂Remove project](#))
- abandonment study (European [CO₂Care 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

Link to the web page :