



INNOVATION FUND

Deploying innovative net-zero technologies for climate neutrality

K6: K6 Program

The Innovation Fund is 100% funded by the EU Emissions Trading System

| Project Factsheet

The K6 Program project aims to produce the first carbon neutral cement in Europe, becoming a flagship project for the cement industry worldwide and supporting the green transition of a hard-to-abate sector. The K6 Program will transform one of the oldest and strategic cement plants in Europe (located in the Hauts de France region in France) and making it the first large cement company in Europe to take such a large step towards carbon neutrality. The plant produces more than 800 000 tonnes of cement (0.05% of the total volume produced in France in 2019) and uses 145 000 tonnes of local waste material per year. It also provides nearly 400 direct and indirect jobs, and supplies construction materials to an extensive regional market that ranges from Dunkirk to Paris. The project will deploy a first-of-its-kind industrial-scale combination of an oxy-fuel kiln and carbon capture technology. The captured CO₂, otherwise emitted to the atmosphere, will be finally stored in a permanent storage site in the North Sea (although this part of the technology chain falls

COORDINATOR

EQIOM

LOCATION

France

CATEGORY

Energy intensive industries (EII)

SECTOR

Cement & lime

AMOUNT OF INNOVATION FUND GRANT

EUR 153,386,598

EXPECTED GHG EMISSIONS AVOIDANCE

8,118,812 tonnes CO₂ equivalent

STARTING DATE

01 April, 2022

FINANCIAL CLOSE DATE

18 March, 2026

ENTRY INTO OPERATION DATE

31 March, 2029

CALL NAME

InnovFund-LSC-2020-Two-Stage-2

* Calculated vs. the 2021-2025 ETS benchmark of 6.84 tCO₂e/tH₂, not taking into account additional carbon abatement due to substitution effects in the H₂ end use application, i.e. conservative estimate.

outside the Innovation Fund project boundary, the storage location will most probably be located in Western Norway). The project will result in the avoidance of 8.1 Mt CO₂e emissions over its first ten

years of operation. The integration of the K6 Program project with the nearby Port of Dunkirk will foster the development of the port as a future European CO₂ hub.

| Participants

EQIOM

France

AIR LIQUIDE FRANCE INDUSTRIE

France

AIR LIQUIDE GLOBAL E&C SOLUTIONS FRANCE

France

VDZ TECHNOLOGY GGMBH

Germany

Additional information on the [EU Funding & Tenders Portal](#).