

# DECARBONIZING OUR OPERATIONS WITH CCUS

# OLYMPUS

Enabling the development of CO<sub>2</sub> storage capacity in southern Europe



 **MILAKI, GREECE**



Co-funded by the European Union  
Emissions Trading System  
Innovation Fund





OLYMPUS is a flagship project in Holcim's European decarbonization roadmap. It will lead to the development of storage capacity in southern Europe. It uses a highly innovative technology combination that merges OxyCalciner & Cryocap™ Oxy.

With a target operational date of 2028, the project aims to capture and store 1 million tons of CO<sub>2</sub> annually. In 2023, the project was selected for a grant from the EU Innovation Fund.

## The technology behind the project

The combination of OxyCalciner & Cryocap™ Oxy is a novel technology that will enable low capture variable cost. Through this project, Holcim will transform the Milaki cement plant into a net carbon removal site.

It uses OxyCalciner technology to capture CO<sub>2</sub> from the flue gas of the Milaki cement plant. The captured CO<sub>2</sub> will then be transported to the Cryocap plant to be liquefied and stored.

## At a glance



**NET-ZERO**  
by 2029



**FUNDING**  
EU Innovation Fund



**ANNUAL CO<sub>2</sub> CAPTURE**  
1 million tons



**INNOVATION**  
New scalable and replicable technology for a more sustainable CO<sub>2</sub> capture and usage process



**PATHWAY**  
Storage



**TECHNOLOGY**  
OxyCalciner & Cryocap™ Oxy

The Cryocap™ Oxy technology by Air Liquide captures and purifies CO<sub>2</sub> from flue gas through oxycombustion processes. It has a CO<sub>2</sub> capture rate of 98%. This technology can manage impurities, particularly high levels of nitrogen oxides, to ensure the quality and safety of the captured CO<sub>2</sub>.

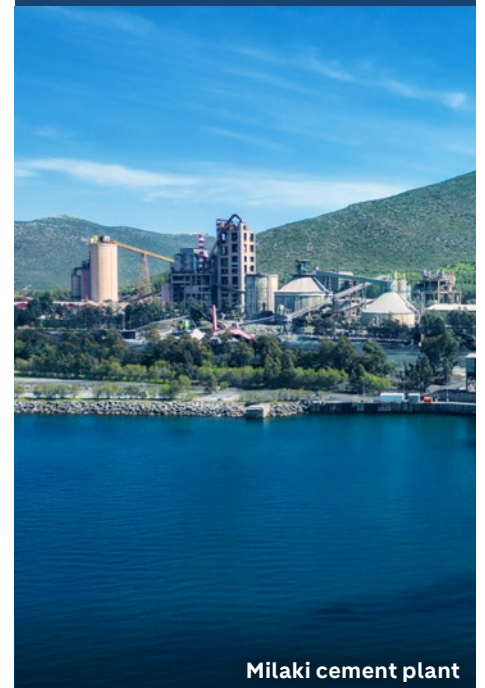
### Our Partners

- Air Liquide
- FLS

**“With our innovative OLYMPUS project, we are contributing to the decarbonization of our industry, leading the way towards a net-zero future in Greece and Europe.”**



**Dimitris Chanis**  
CEO Holcim  
Greece



Milaki cement plant