DECARBONIZING OUR OPERATIONS WITH CCUS

OLYMPUS

Enabling the development of CO\textsubscript{2} storage capacity in southern Europe

MILAKI, GREECE

Funded by the European Union
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 CO₂ 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 CO₂ from the flue gas of the Milaki cement plant. The captured CO₂ will then be transported to the Cryocap plant to be liquefied and stored.

**At a glance**

**NET-ZERO**
- by 2029

**ANNUAL CO₂ CAPTURE**
- 1 million tons

**PATHWAY**
- Storage

**FUNDING**
- EU Innovation Fund

**INNOVATION**
- New scalable and replicable technology for a more sustainable CO₂ capture and usage process

**TECHNOLOGY**
- OxyCalciner & Cryocap™ Oxy

The Cryocap™ Oxy technology by Air Liquide captures and purifies CO₂ from flue gas through oxycombustion processes. It has a CO₂ capture rate of 98%. This technology can manage impurities, particularly high levels of nitrogen oxides, to ensure the quality and safety of the captured CO₂.

**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

Holcim.com/CCUS