

COMPARATIVE ADVANTAGES

- It is a **well-designed, mature** project of a **high technical readiness level** that has been selected for a grant by the EU Innovation Fund.
- The OxyCalciner with Cryocap™ Oxy capture solution is currently the most cost & energy-efficient technology.
- The Milaki Plant is **ideally located for sea transport**. Its strategic geographic location on the coast of the Aegean Sea **renders the transportation of liquid CO₂** to numerous available sequestration sites **efficient and cost-effective**.
- OLYMPUS is an **innovative integrated project** and comes with the support and know-how of our parent company, Holcim, a world leader in sustainable building solutions.

KEY BENEFITS AT EU NATIONAL AND REGIONAL LEVEL

- The abundant high-purity CO₂ captured, apart from sequestration, will also be utilized in the future.
- It will transform the Evia area into a CCUS hub in Greece, where innovative CCUS technologies will develop and mature. The paradigm of the OLYMPUS project will scale-up the decarbonization of other energy-intensive industries in the wider region.
- The knowledge and experience gained in capturing, storing, and shipping CO₂ will accelerate the decarbonization of energy-intensive industries in the region.
- It actively contributes to the attainment of the EU's climate neutrality target by 2050.
- It will bring back specialized scientific-technical human capital, which has left the country (brain drain) and thus strengthen the society and economy of Central Greece, where the plant is located.
- The CO₂ that will be avoided represents the 2% of total Greece's CO₂ emissions and ≈20% of the sector's emissions in Greece.

EXPECTED RESULTS



Ground-breaking advancement for CCS



Promotion of the decarbonisation of carbon-intensive industries



Cost-efficient CO₂ capturing solution



Contribution to the achievement of Net Zero targets



High scalability potential in terms of technology, transport, synergies and developing CO₂ use

HERACLES Group has received funding for this project by the EU large-scale Innovation Fund.

For further information on the OLYMPUS project, please do not hesitate to contact us:

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OLYMPUS

by **HERACLES** - A MEMBER OF HOLCIM GROUP
OUR ZERO CARBON COMMITMENT

CCS PROJECT IN GREECE



ON THE WAY TO A NET ZERO FUTURE

An innovative large-scale CO₂ emissions avoidance project in Greece that will spearhead the decarbonisation of energy-intensive industries.

CCS technologies are of paramount importance for producing sustainable construction materials with low carbon footprint.

With the pioneering CCS project OLYMPUS, HERACLES G.C.C., the leader in building materials in Greece and a member of Holcim Ltd, aims at transforming its Plant in Milaki, Evia, into the 1st zero carbon cement production unit in Greece, through the design and implementation of innovative Carbon Capture technologies, such as OxyCalciner with Cryocap™ Oxy.

The OLYMPUS project is a milestone investment for both Greece and Europe, since it accelerates the transition to net zero, in line with the EU Green Deal ambitions.

The project's innovative technologies and fuel mix design will deliver net atmospheric carbon removal.

The HERACLES Milaki plant will be a pioneer in the production of green cement in Europe.

HOW CCS WORKS



Carbon Capture technologies separate and condense CO₂ from industrial processes. They enable its safe storage or reuse in the production of chemical, fuel, concrete and mineral components. In doing so, CCS will play a key role in reaching net zero by 2050.

