



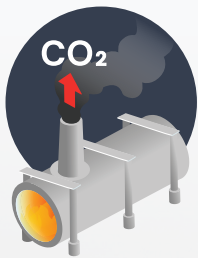
# CILANTRO



Let's Connect!

## Pioneering Carbon-Negative Cement Technology

A European innovation project developing a novel manufacturing technology that results in **net negative CO<sub>2</sub> emissions** over the cement's lifetime.



### The Problem

Traditional Cement accounts for 8% of global CO<sub>2</sub> emissions.

High Heat (1,450°C) chemically generates CO<sub>2</sub> when converting limestone into quicklime.



### The CILANTRO Solution

We prevent CO<sub>2</sub> generation by replacing high-heat thermal processing.

Our method uses mechanochemical activation of raw materials under a controlled gas atmosphere.

## Innovation

CILANTRO is tackling this challenge by developing a revolutionary **non-thermal cement manufacturing technology**. We aim to produce the components of ordinary Portland cements without generating any process CO<sub>2</sub>, leading to **net negative CO<sub>2</sub> emissions** over the cement's lifetime.



### Climate Positive

Cement that actively helps absorb CO<sub>2</sub> over its lifespan.



### Zero Process Emissions

Eliminating CO<sub>2</sub> generation during manufacturing.



### New Energy Sources

Co-production of valuable gases for clean fuels or chemical synthesis.



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