

# KOdeCO net zero project

# **EU Innovation Fund Info Day conference**



HOLCIM

25th of January 2024 Ljubljana, Slovenia Agenda



#### 1. Holcim Hrvatska

Then & now

Decarbonizing Koromačno cement plant

Why CO2 in cement production

#### 2. KOdeCO net zero

Project scope

The first major Croatian project for the EU Innovation Fund

#### 3. Experiences in applying for the EU Innovation Fund

Project organization

Challenges and key factors in preparation

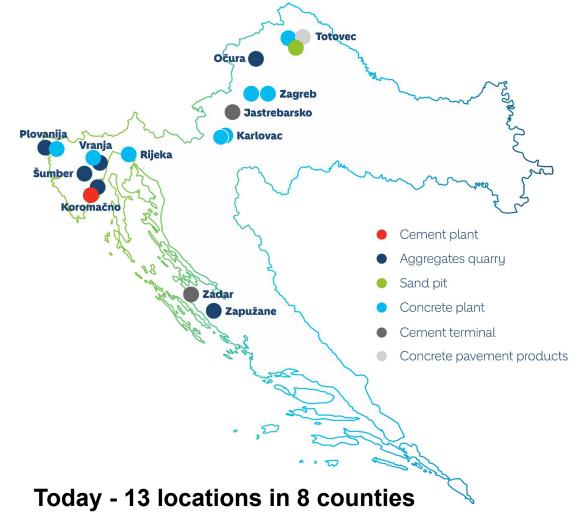


#### 1. Holcim Hrvatska Then & now





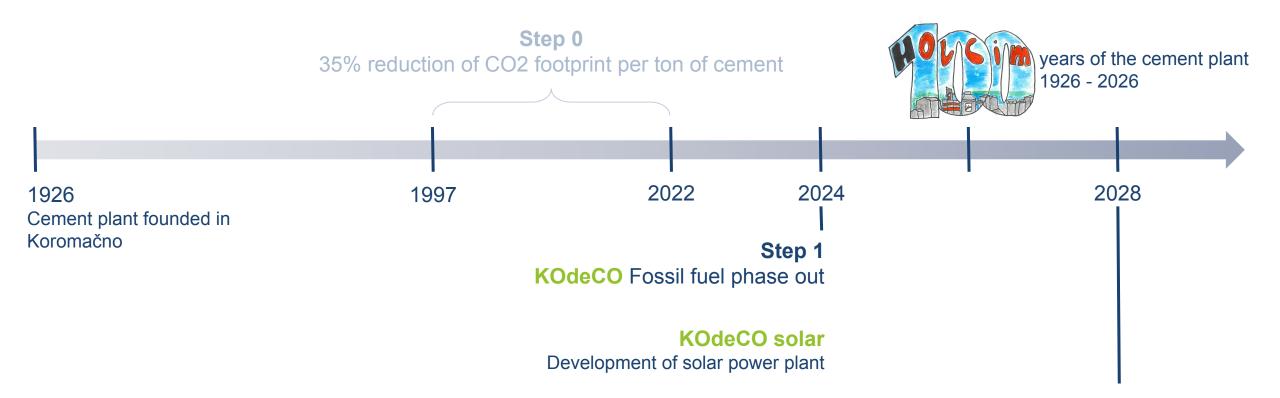
1926 - Start of cement production in Koromačno





### 1. Holcim Hrvatska Decarbonizing Koromačno cement plant





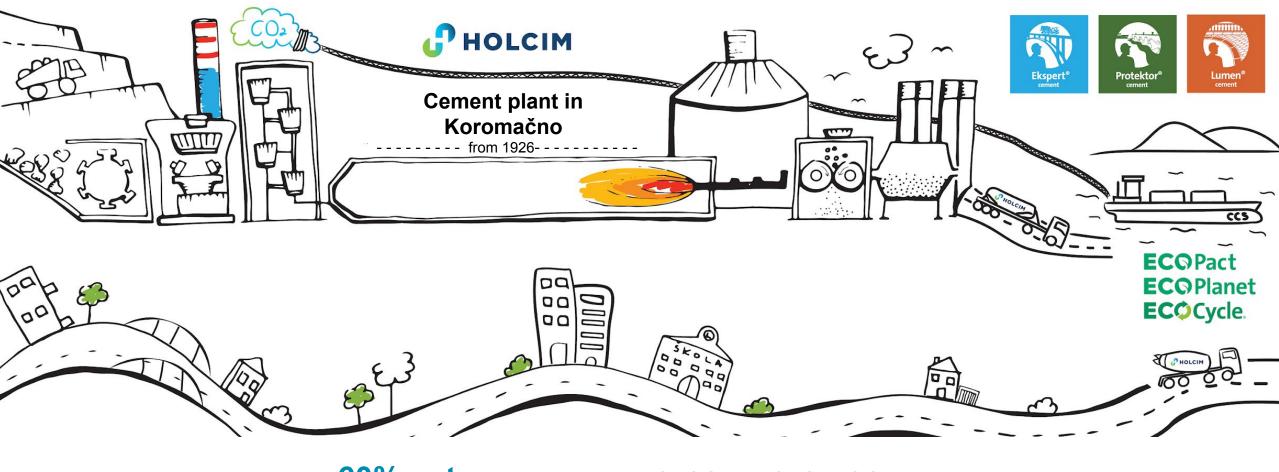
Step 2 KOdeCO net zero Carbon capture and permanent storage



## 1. Holcim Hrvatska Why CO<sub>2</sub> in cement production?



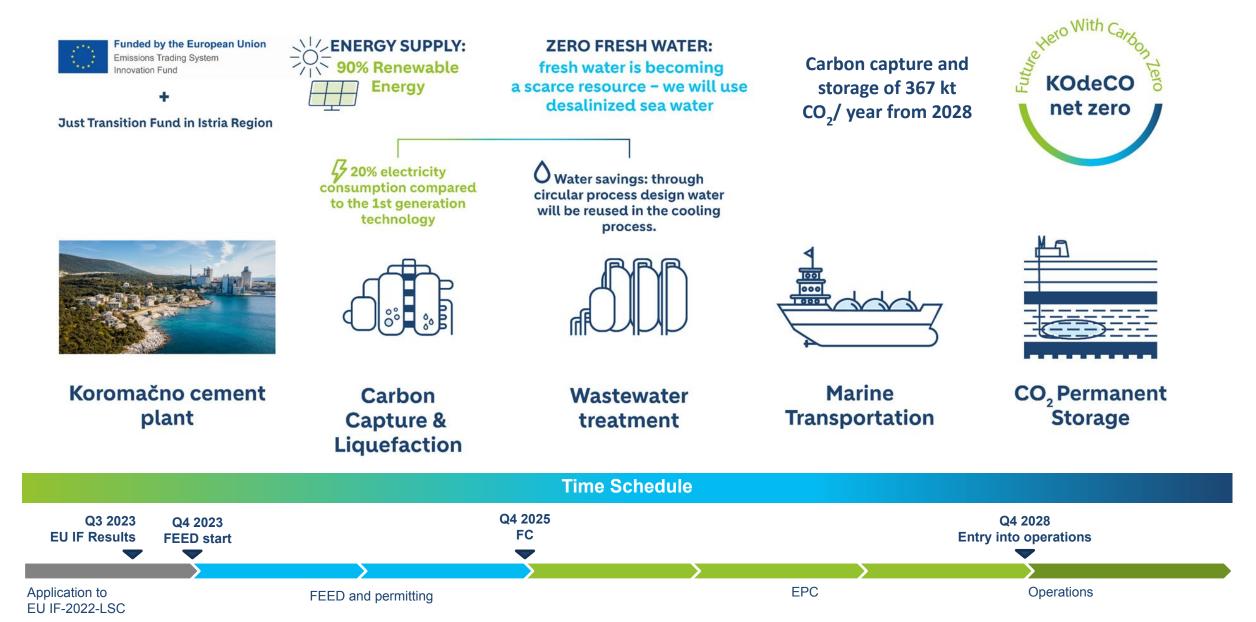
**HOLCIM** 



**60%** stone limestone  $CaCO_3 \rightarrow CaO + CO_2$ 

**40% fuel** for a temperature of 1.450 °C

## 2. KOdeCO net zero = KOromačno DEcarbonization eCOlogy Project scope



Co-funded by the European Union

## 2. KOdeCO net zero The first major Croatian project for the EU Innovation Fund



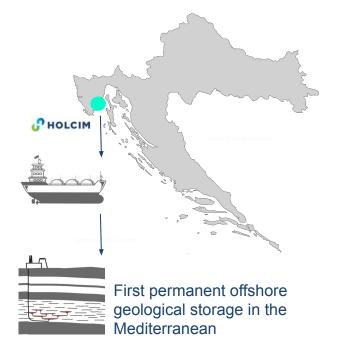
Location: Koromačno, Croatia

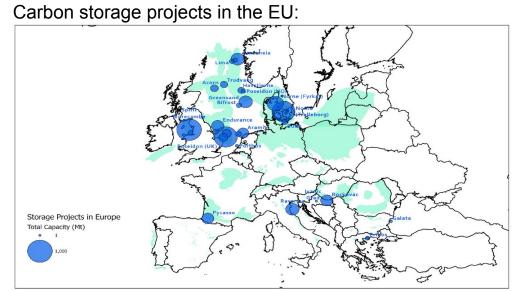
Actual / projected captured CO2: 367,000 t CO2/year

**Technology:** CO<sub>2</sub> capture adsorption technology

**CO**<sub>2</sub> **Usage/storage model:** Offshore sink

Estimated CAPEX (rough estimate): 237 mio EUR





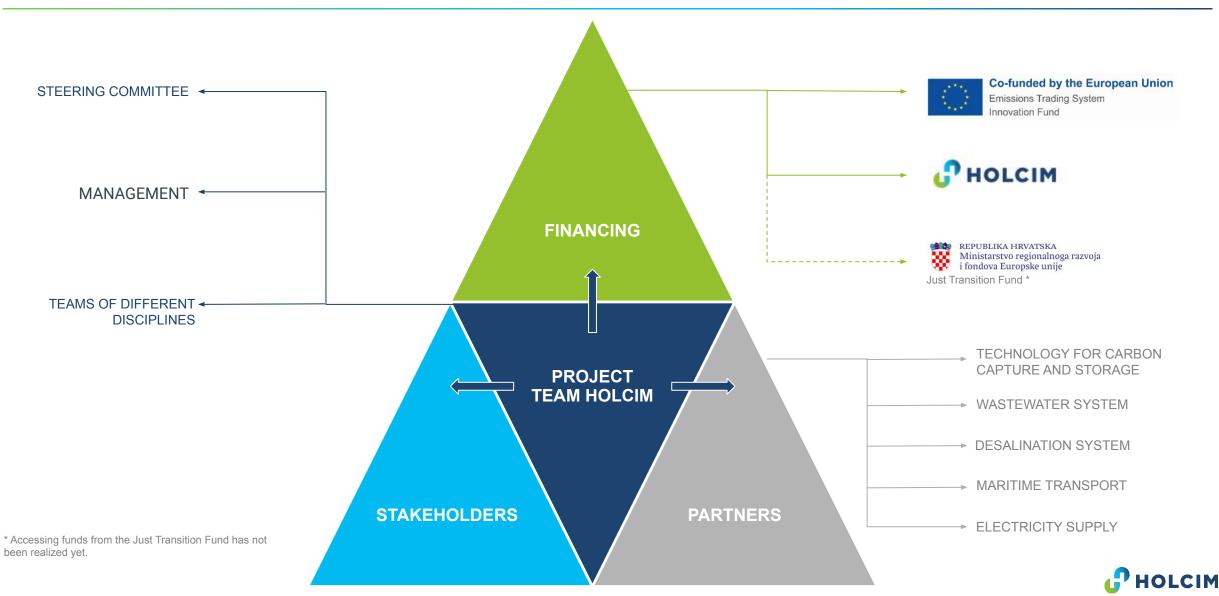
Source: Clean Air Taskforce, CCS Forum, 28.11.2023

In the KOdeCO net zero project category:

- Sweden
- Germany (2 projects)
- Netherlands / Portugal
- ✔ Greece (2 projects)
- ✔ Belgium
- Croatia



# 3. Experiences in applying for the EU Innovation Fund **Project organization**



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#### Challenges

- Demanding administrative procedure a detailed understanding of the requirements is essential
- Extensive content ensuring an adequate number of experts for writing (the application was prepared from November to mid-March, involving around 20 employees + external consultants, with 10 employees dedicating almost 100% of their time in January, February and March).
- Preparation of specific documentation (greenhouse gas calculations, financial model, etc.).

#### Key factors in preparation

- Start on time
- Clearly define project innovation and project value
- Strong business model
- Demonstrate market potential
- Team with relevant experience (both consultants and internal team)
- Stakeholder engagement
- Transparency and consistency in documentation



