

CO₂NTESSA

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CO₂NTESSA PROJECT

PROJECT BACKGROUND

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CO₂NTESSA

Cement plant NEXE in
Našice accounts for 1/3
of cement production in
Croatia



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PROJECT BACKGROUND

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The production of 1 million tons of cement requires >900 GWh of energy



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CO₂NTESSA PROJECT

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Powered by
Thyssenkrupp
Polysius®
pureoxyfuel
Carbon
Capture

Estimated
project value is
EUR 391.7 million



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Prerequisites for successful Carbon Capture project

Storage sites to be developed as part of 1st Union list of PCI/PMI candidate projects



Presented by:
Chris Bolesta, Directorate-General for Energy
European Commission

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Capture of 100% emissions
from production process, i.e.
>700.000t of CO₂ per year

700.000t
CO₂



0

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INNOVATIVENESS OF THE PROJECT



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INNOVATIVENESS OF THE PROJECT

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A lighthouse
project in Europe
and the world

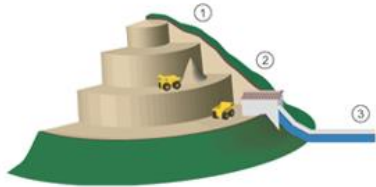


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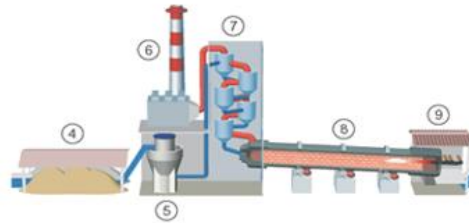
INNOVATIVENESS OF THE PROJECT

CEMENT PRODUCTION PROCESS

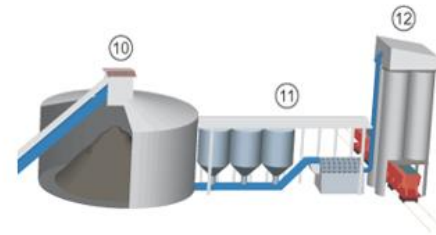
First part - exploitation of raw materials



Second part - mixing of raw materials and clinkerization

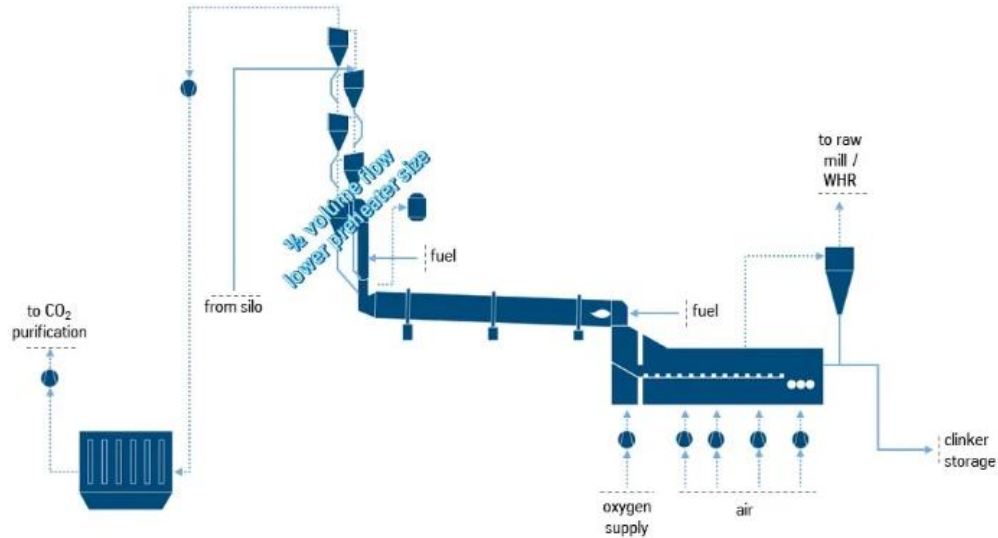


Third part - grinding and distribution



INNOVATIVENESS OF THE PROJECT

Oxyfuel 2nd generation: The polysius® pure oxyfuel process*



*simplified layout

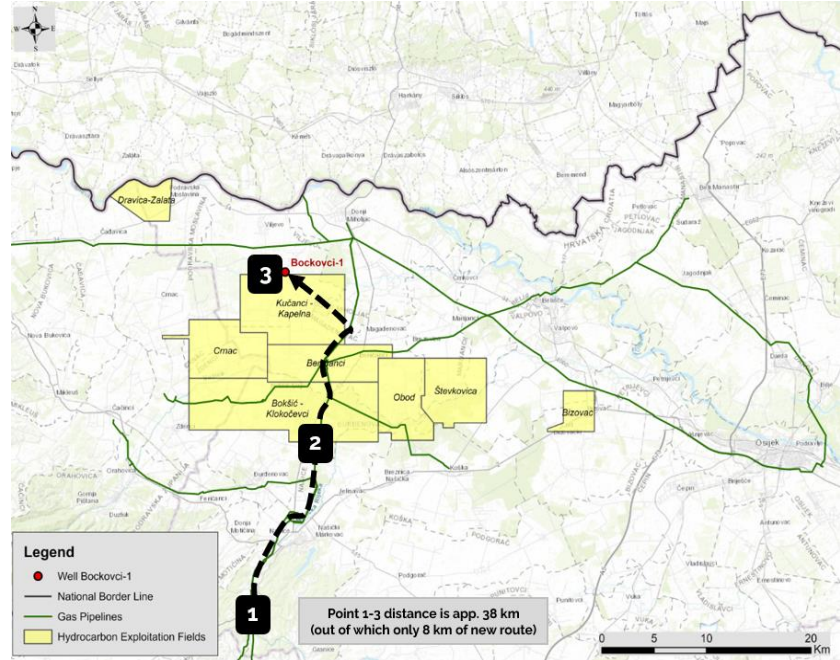


INNOVATIVENESS OF THE PROJECT



A unique, fully rounded, cost-effective CCS project in Southeast Europe

1.	CO2NTESSA PROJECT	NEXE	CO2 CAPTURE
2.	GT CCS CROATIA	PLINACRO	TRANSPORT OF CO2
3.	GT CCS CROATIA	HYDROCARBONS AGENCY	STORAGE OF CO2





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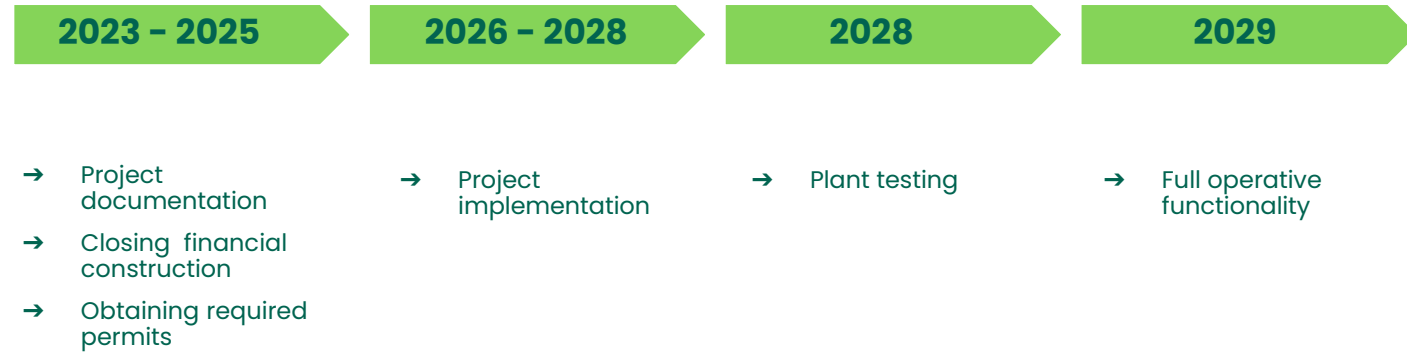
PROJECT IMPLEMENTATION



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PROJECT IMPLEMENTATION

CO₂NTESSA



INFORMATION ON PROJECT APPLICATION TO THE INNOVATION FUND

CO₂NTESSA

On 16 March 2023 CO₂NTESSA project was applied to EU call InnovFund-2022-LSC-01-GENERAL

- Investment value : EUR 391.7 million
- Value of EU call is EUR 3 billion
(out of which 1 billion is directed to CO₂ projects)
- 239 projects were applied in the EU
(out of which 98 projects in category of CO₂NTESSA project)



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