



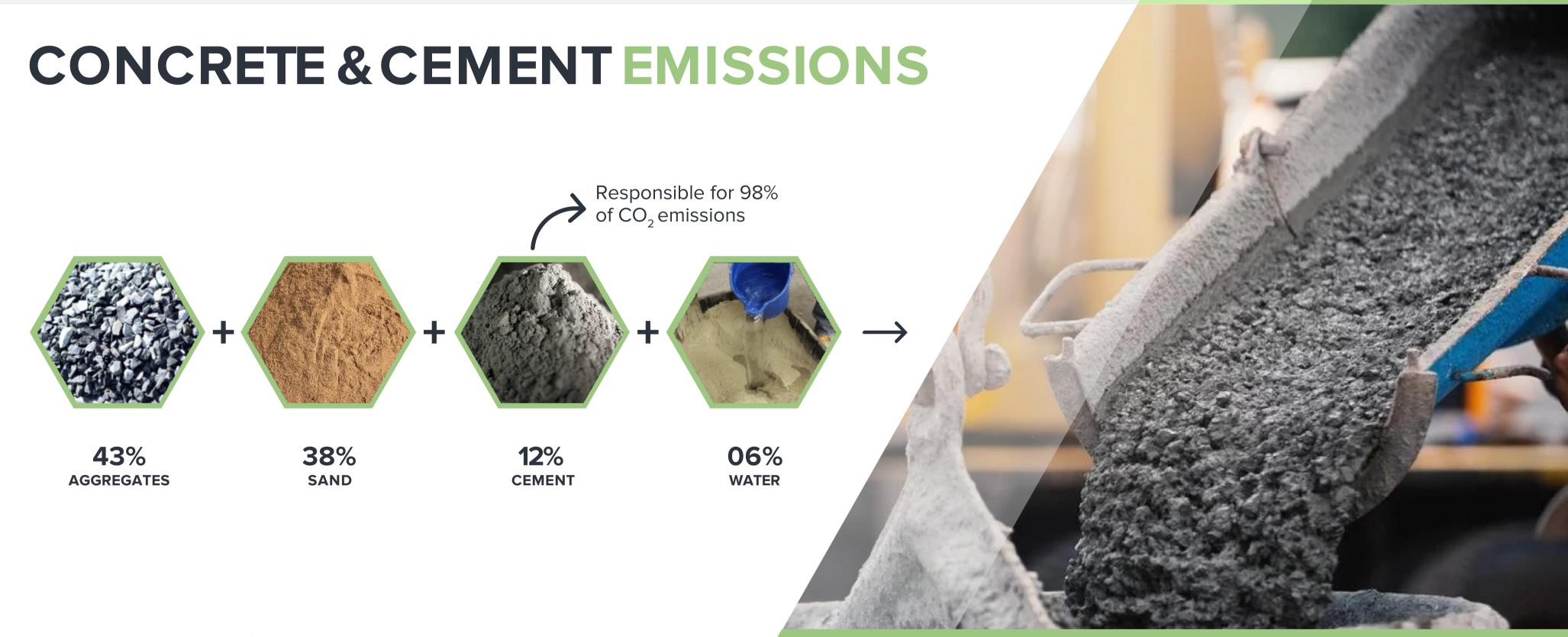




REDUCING THE
CARBON FOOTPRINT
OF CEMENT IN THE
FACE OF THE CLIMATE
EMERGENCY







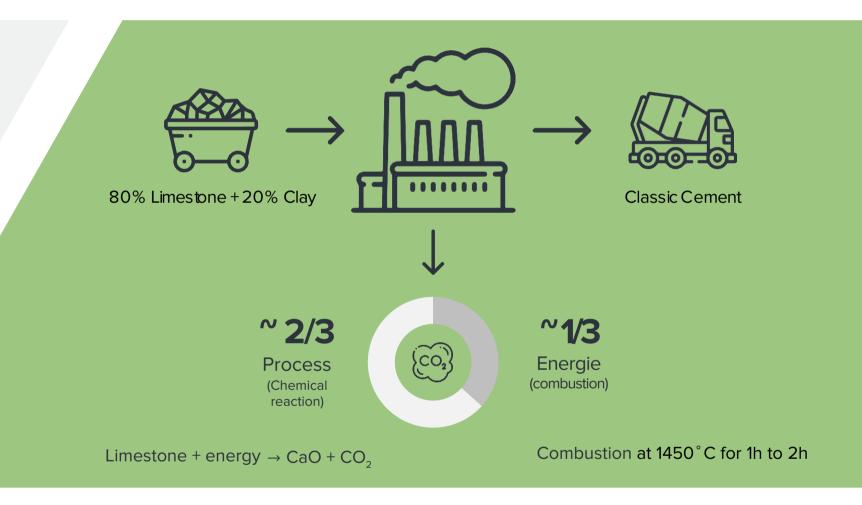
Average mass ratios of a concrete Source: Artelia bâtiments durable selon Atilh et UNPG

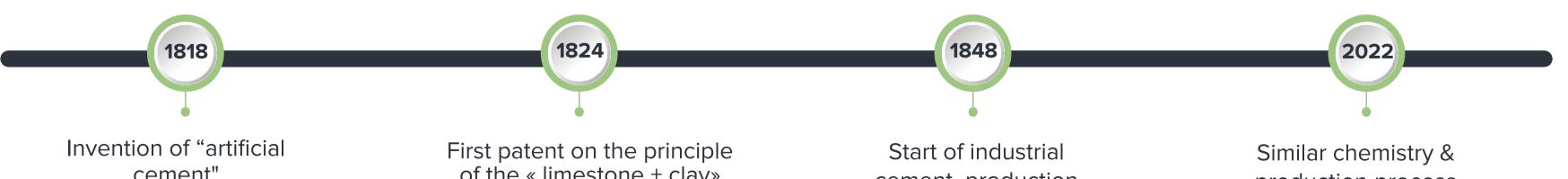


CEMENT: A 200 YEARS OLD PRODUCT

Conventional Portland cement:

- 0,9 tons of CO₂ per ton of cement
- 7,5 % of world emissions
- 9% of the UK's manufacturing emissions
- Over 7 million tons of CO₂/ year





cement" by Louis Vicat

of the « limestone + clay» mixture called Portland cement

cement production in Boulogne-sur-Mer

production process ongoing since 1824



OUR LOW CARBON SOLUTIONS

Choosing a non-CO₂ emitting raw material

Choosing a very low energy intensive process

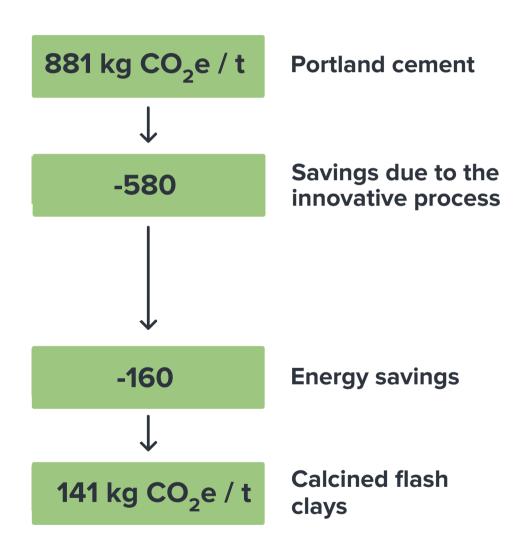


100% clays:

releases water during calcination

Process of flash calcination:

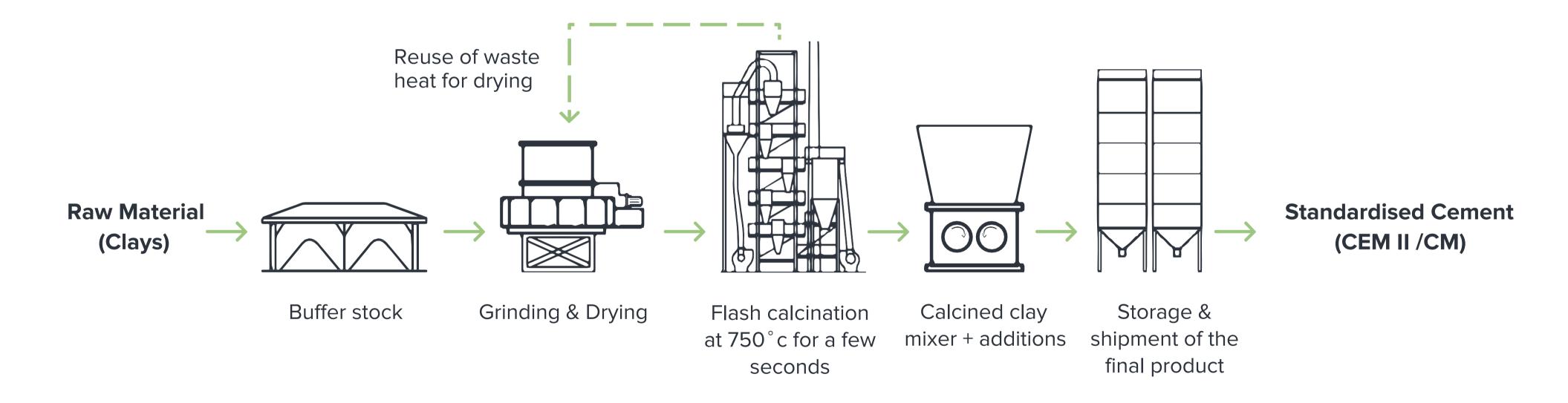
- short combustion time
- lower temperature (750 °C)



AGAME CHANGER



OPERATING PRINCIPLE





KEY PARTNERS



- Partner & co-financer of R&D and feasibility study
- Prescriptor of the low carbon solutions



- Product development and testing cooperation agreements
- Client of the low carbon solutions



- Most promising green technologies laureate
- Governmental industrial support program



HOW FAR CAN NEOCEM DECARBONATE?

Clay + Additions
NF EN 197-5
and
EU Compliant

-50% less CO₂ than CEM I

100% Clay experimental performance based

-80% less CO₂ than CEM I



0% CO₂
Tomorrow

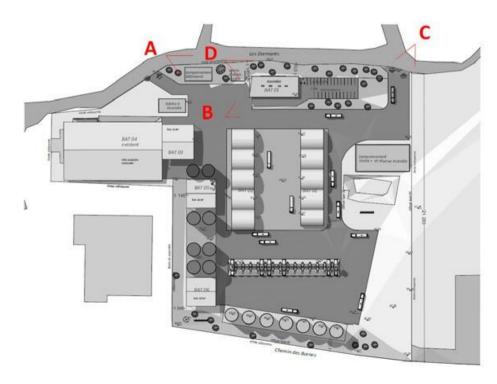


INDUSTRIAL PLAN & FACILITY







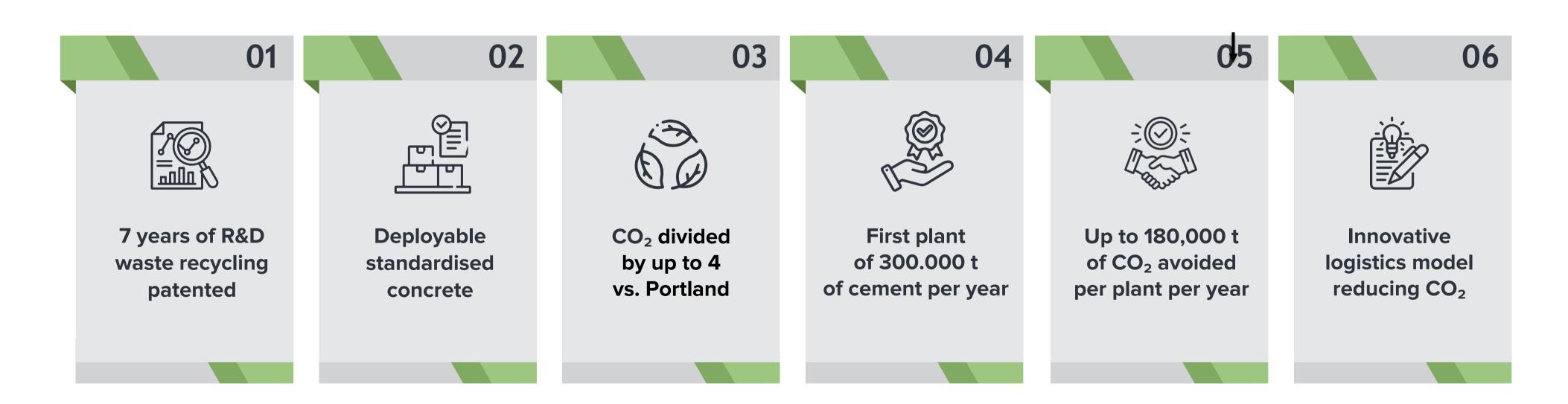






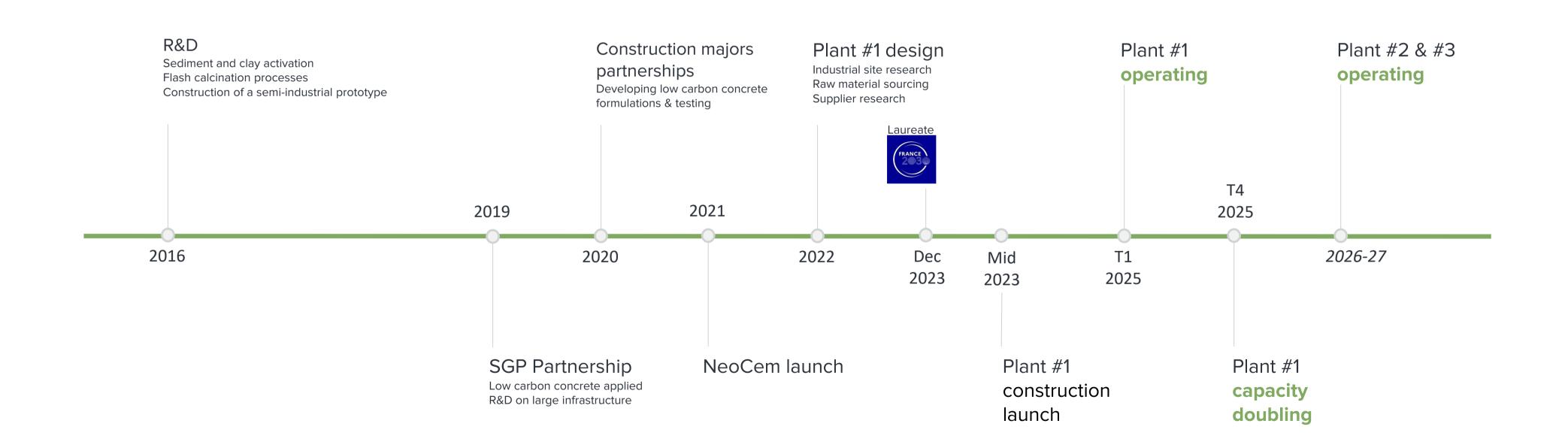


KEY FACTS





SCALING ROADMAP





BENEFITS

Highest decarbonation per €

invested

Market competitive vs classic cements

Improved performance or similar vs cement

Scalable model of circular economy



THANK YOU FOR YOUR ATTENTION

How about low carbon now?

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