



# neustark<sup>®</sup>

## Concrete - a medium for at scale Carbon Removal

Permanent storage of biogenic CO<sub>2</sub> in recycled  
concrete and other mineral waste and recycling  
streams

January 25th 2024

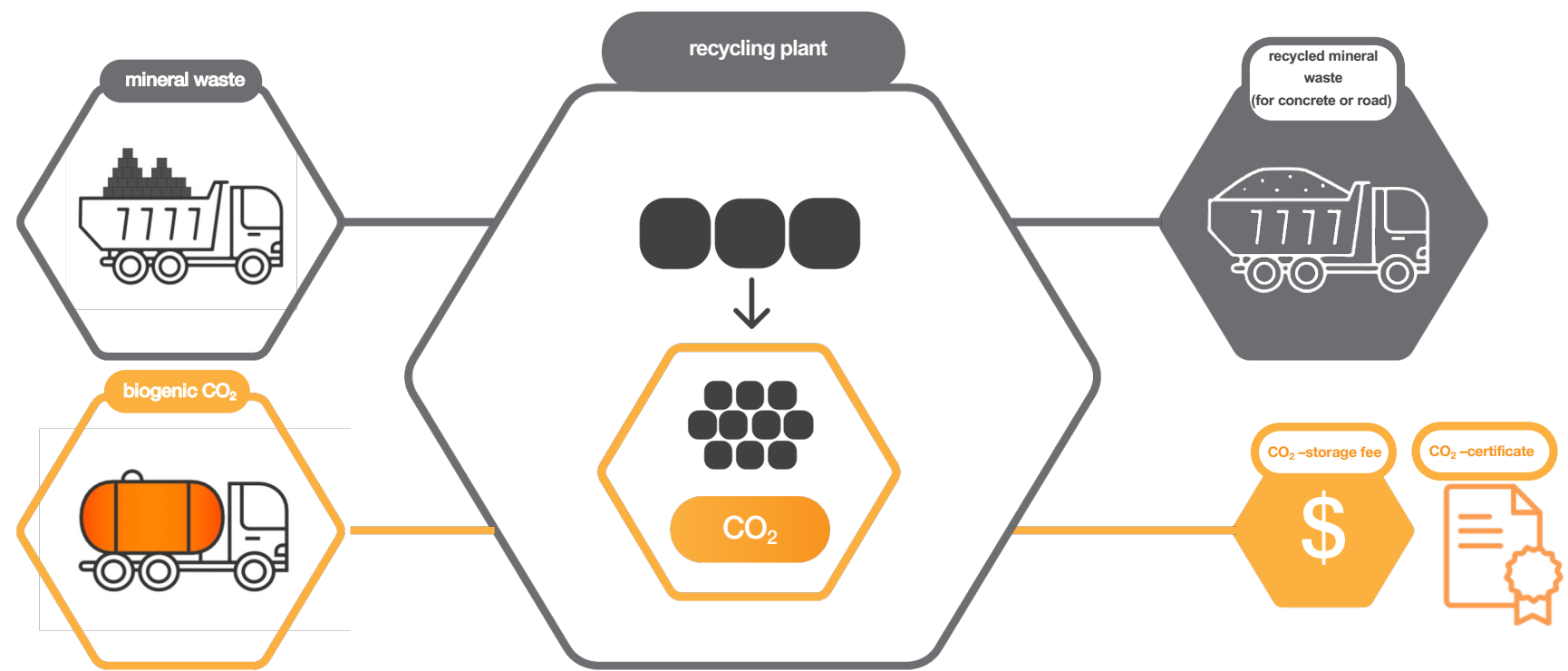






Neustark stores CO<sub>2</sub>  
permanently in mineral  
waste and recycling streams

# The Neustark solution





# SEAMLESS INTEGRATION IN RECYCLING-PROCESS





# Stationary



5



# Semi-mobile









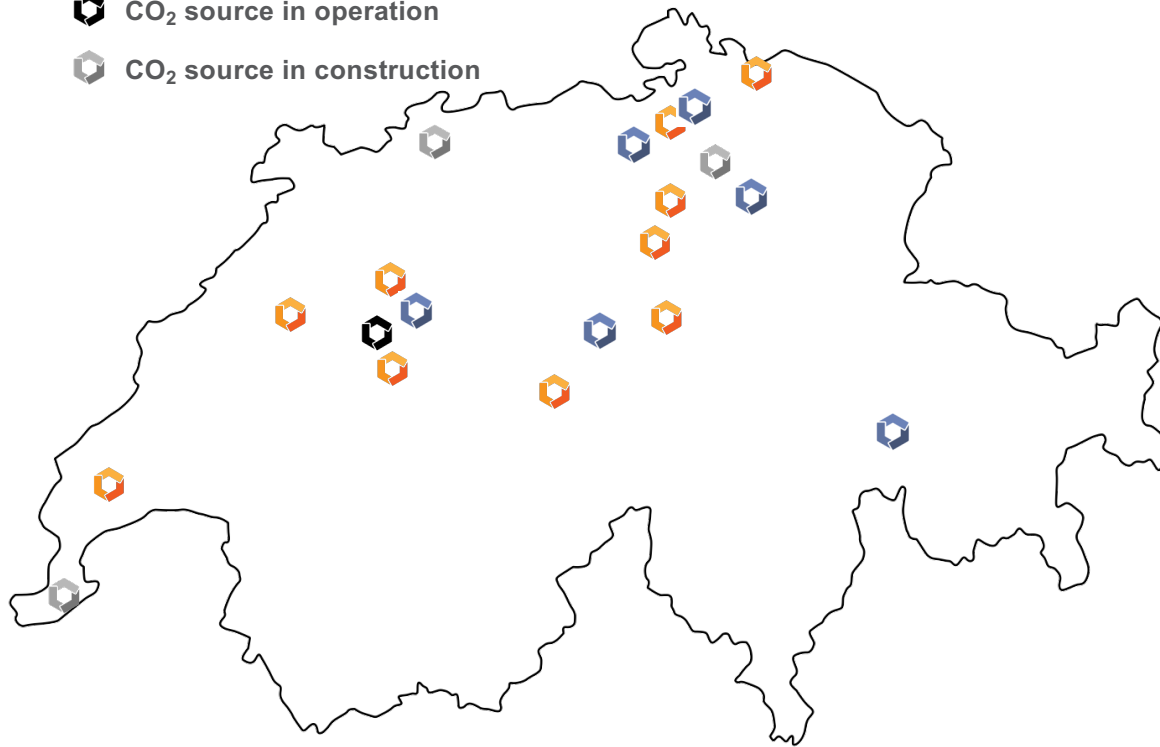
# Mobile



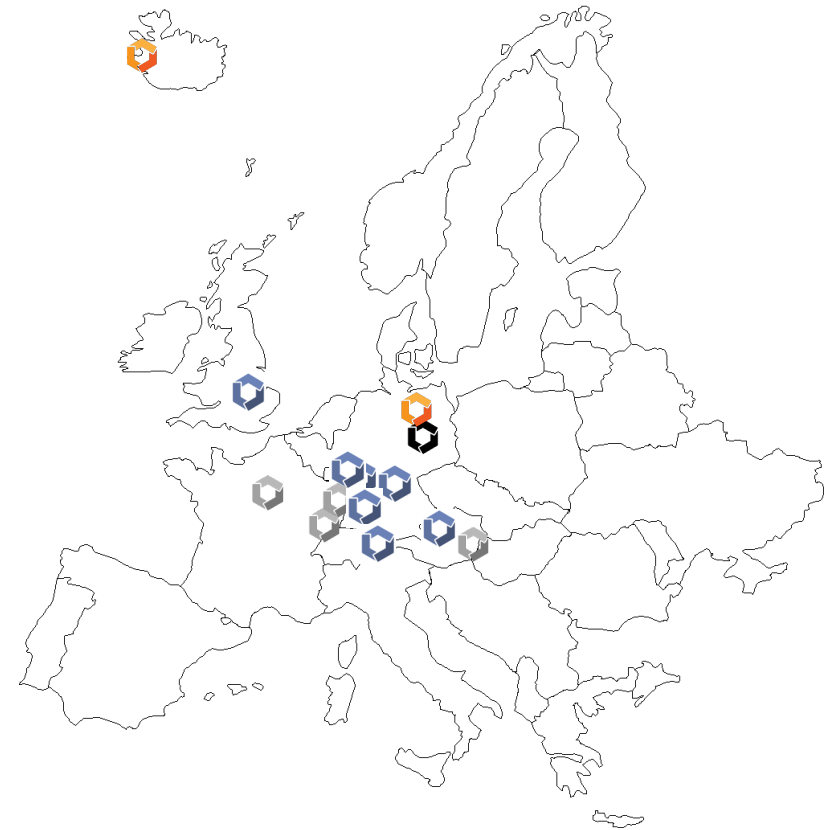


# CO<sub>2</sub> SOURCES & STORAGE PLANTS

-  CO<sub>2</sub> storage plant in operation
-  CO<sub>2</sub> storage plant in construction
-  CO<sub>2</sub> source in operation
-  CO<sub>2</sub> source in construction



Switzerland December 2023



Europe December 2023



# Case Study "Heim Berlin"

## Input materials:

Demolition concrete

## Output materials:

road construction

Concrete aggregate

## Throughput:

200'000 tons RCA per year

## Storage capacity:

1500 tons CO<sub>2</sub> per year



# Storage Plant "Biberist"

## Input materials:

Demolition concrete

Mixed demolition granulate

## Output materials:

road construction 0/45

Concrete aggregate 0/22

## Throughput:

150'000 tons RCA per year

## Storage capacity:

1000 tons CO<sub>2</sub> per year

**alluvia**

  
**vigier beton**





# Case Study "Operational optimization"



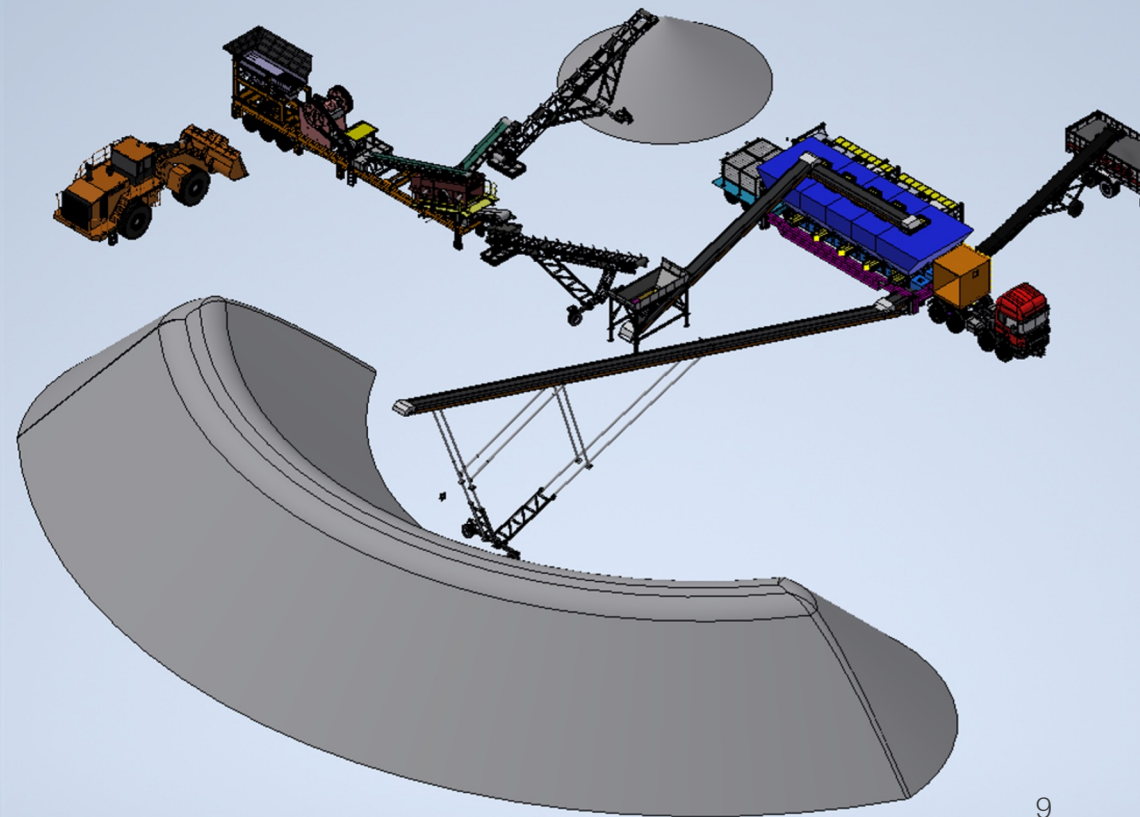
Mobile systems with long conveyor belts save unnecessary wheel loader journeys with an additional investment of €30,000



100,000 tons of material that no longer need to be transported by wheel loader



Go Live in March next year in France



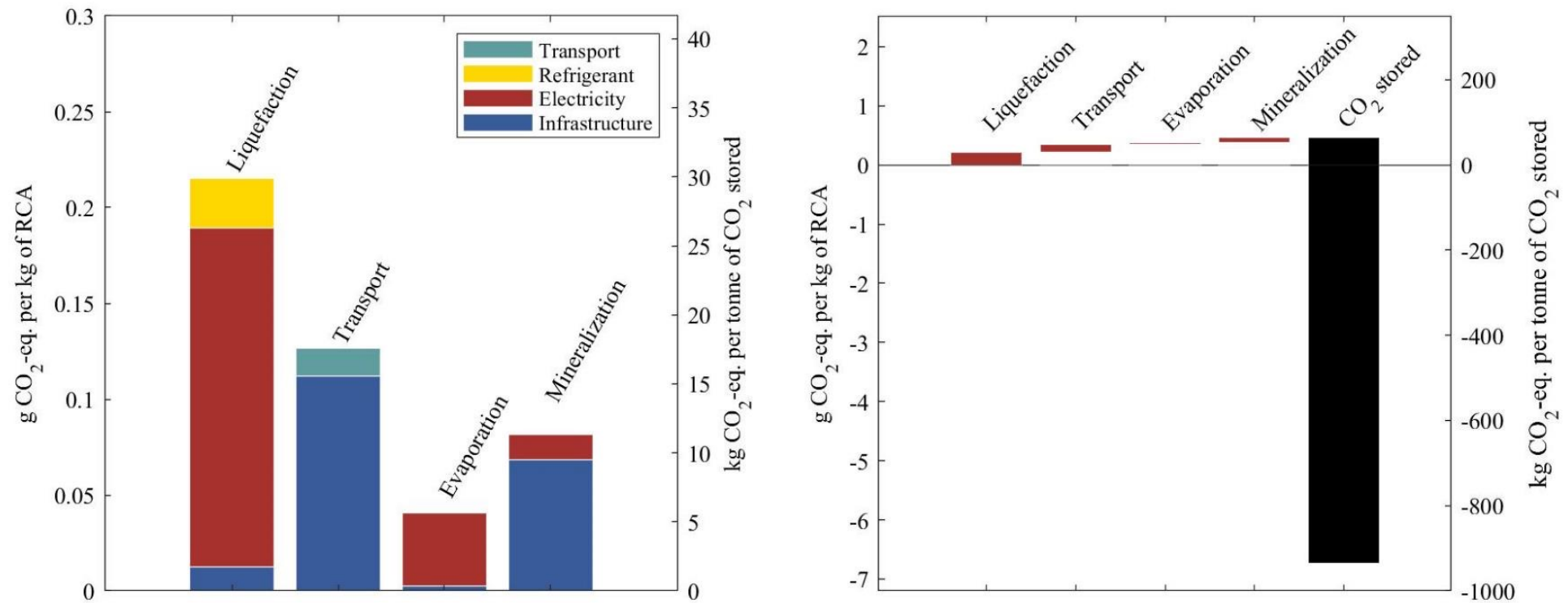


# CO<sub>2</sub> SOURCE





# 93% REMOVAL EFFICIENCY



Source: Lisa Braune „Life Cycle Assessment of the Direct Mineralization Value Chain in the Concrete Sector”, ETH Zürich, 03/2021

# CERTIFIER



***“What enabled neustark’s methodology to become the first-ever tech-based carbon dioxide removal solution to join our methodology portfolio was its environmental integrity, permanence and measurability of the solution...”***

Vikash Talyan, Technical Director

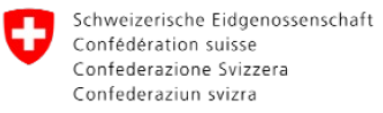




Spinoff ETH zürich

# Team Neustark

## Sponsors



## Customers Certificates







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