



**NET-ZERO
INDUSTRIES**
MISSION

Carbon Capture,
Storage & Use

HOW TO ...

... REDUCE EMISSIONS BY CAPTURING, STORING AND USING CARBON

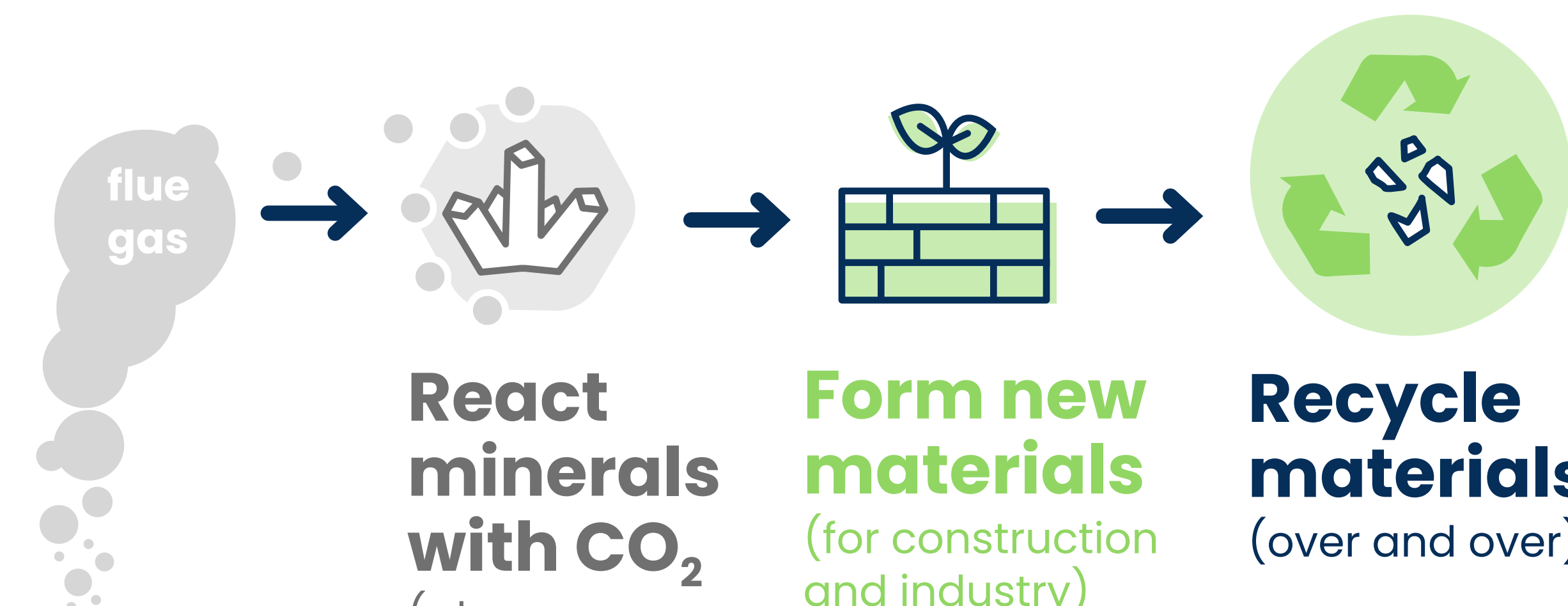
DEMONSTRATION PROJECTS

RHI Magnesita, Austria

DEMONSTRATION PROJECT

CCUpScale
CAPTURING CO₂ TO CREATE VALUE

HOW TO: Create valuable materials



TARGET SECTORS

- Iron & Steel
- Cement & Lime
- Chemicals & Refining
- Other Energy Intensive & Hard to Abate sectors

TIMELINE

2025: 1000 tpa CO₂ captured
2028: 50,000 tpa CO₂



ArcelorMittal, Belgium

DEMONSTRATION PROJECT

C4U
ENGAGING STEEL INDUSTRIES
IN CARBON CAPTURE CLUSTERS

HOW TO: Connect business and society



TARGET SECTOR

- Iron & Steel

TIMELINE

2014: Projects commenced extensive testing
2020-25: Pilot plant trial & C4U research program

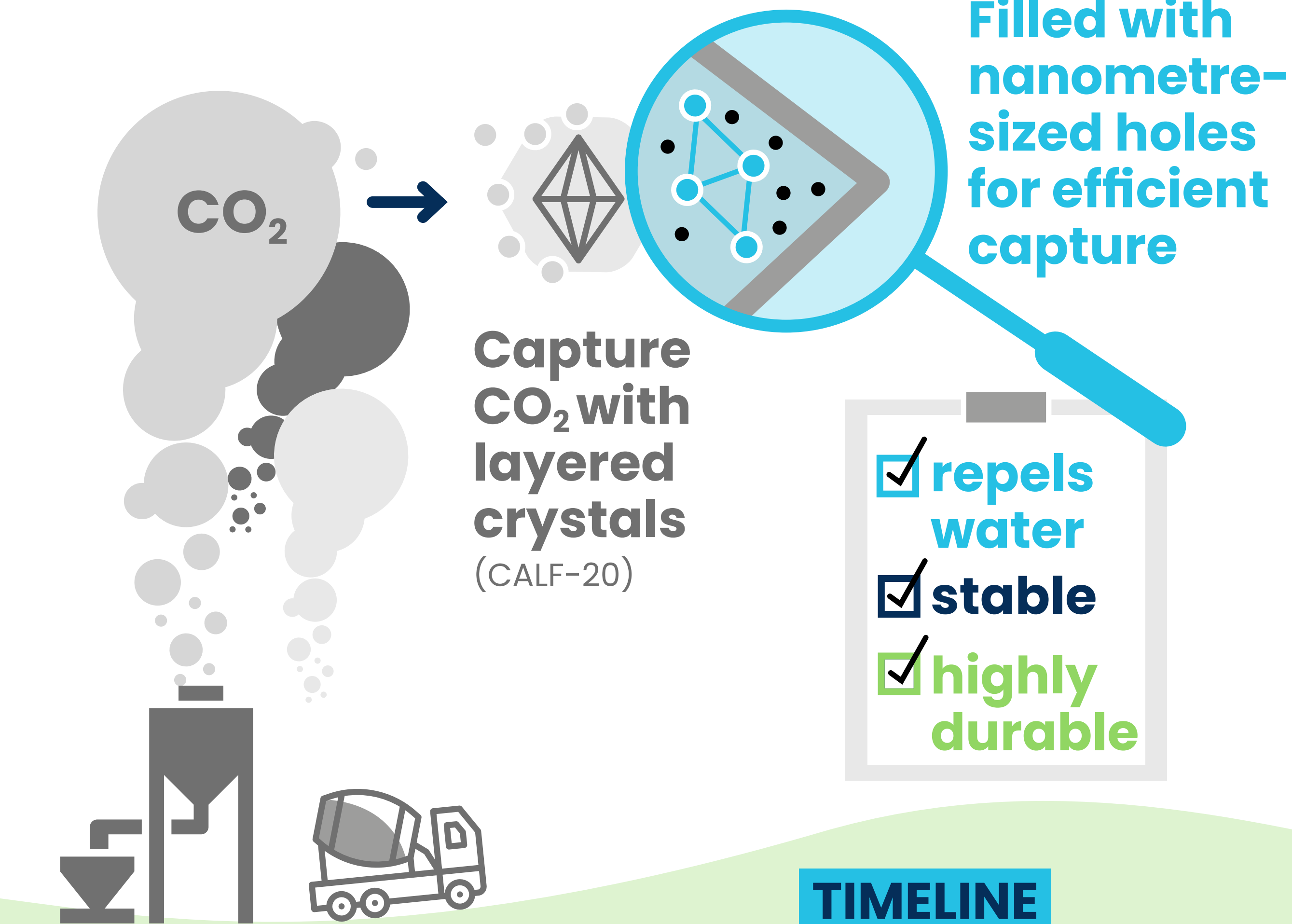


Svante Technologies Inc.
University of Calgary,
Canada

DEMONSTRATION PROJECT

Calf-20 Metal-Organic Framework
USING SOLIDS TO DE-CARBON
HIGH-EMITTING LOCATIONS

HOW TO: De-carbonise



TARGET SECTOR

- Other Energy Intensive & Hard to Abate sectors

TIMELINE

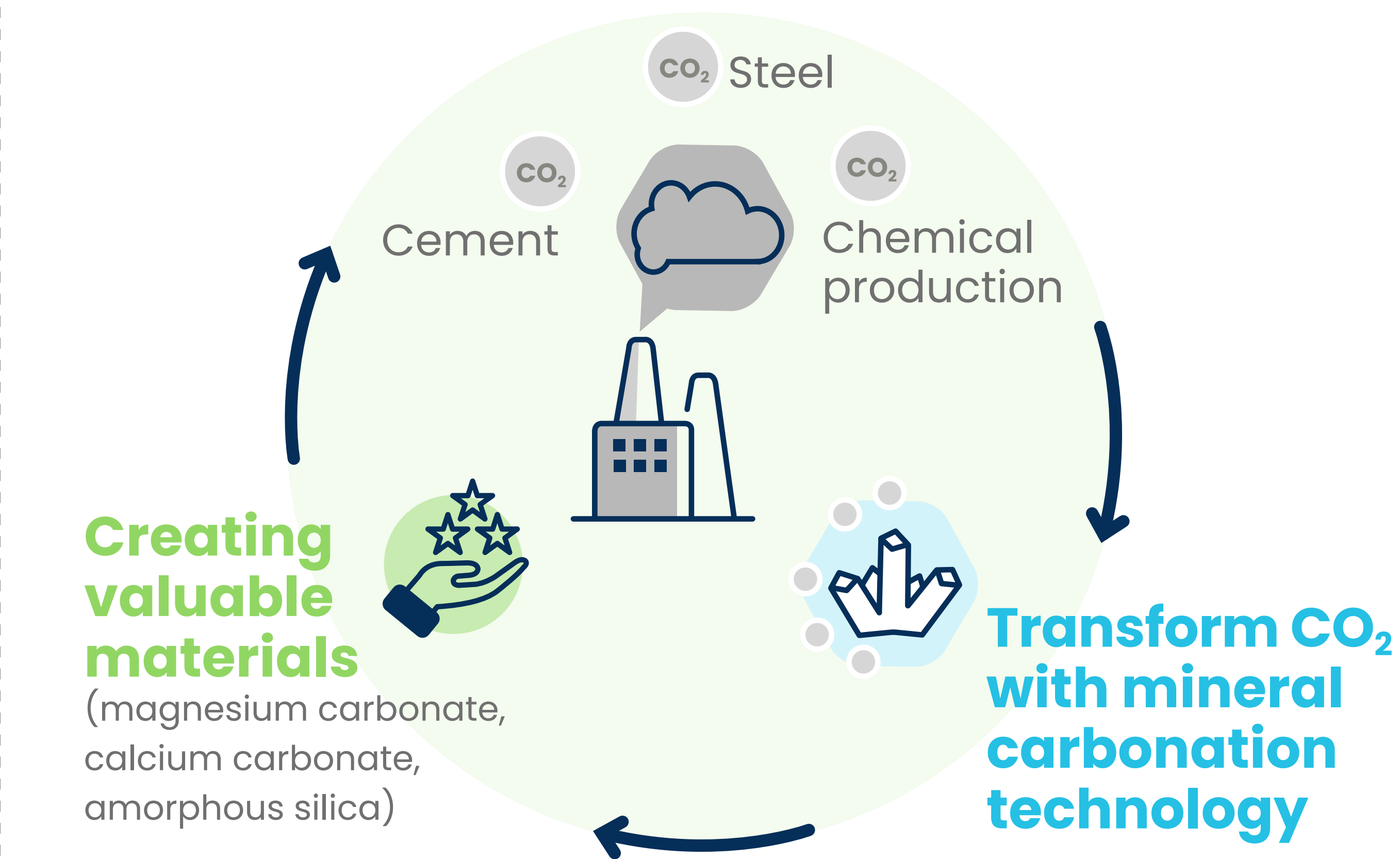
2012: Research commenced
2019: Pilot, 1 t CO₂/day captured
2023: 25 t CO₂/day

MCi Carbon, Australia

DEMONSTRATION PROJECT

MCi Carbon Plant 'Myrtle'
TURNING POLLUTION INTO PROFIT

HOW TO: Reduce emissions



TARGET SECTOR

- Other Energy Intensive & Hard to Abate sectors

TIMELINE

2016: Project commenced
2023: Construction of first carbon plant

WWW.NET-ZERO-INDUSTRIES-MISSION.NET

**GET INVOLVED
& STAY IN TOUCH**



**NET-ZERO
INDUSTRIES**
MISSION

The Net-Zero Industries Mission is a collaboration across countries, government, and industry to drive and accelerate the adoption of decarbonisation technologies by hard-to-abate, energy-intensive industries. Technology demonstrations are a critical tool in sharing experience and building trust for industry investments.

✉ netzeroindustriesmission@ait.ac.at

MORE INFO

**Demonstration
project database**

