



Making Concrete a Climate Solution





Company Information

2016 Established in Montreal, Canada

50 employees

55 granted patents: Canada, US, EU, India, Brazil, China, Japan, South Korea

2 production partners and several ongoing pilots

\$40M USD raised since inception:

- FS Investors
- Arc Energy
- **FSTQ**
- Fondaction
- MKB
- BDC
- Aera VC

- New Climate Ventures
- Innovobot
- Something Good Ventures
- Saint-Gobain
- Harsco

Extensive global media coverage including features in:

THE

Bloomberg THE WALL STREET JOURNAL. 1121UTC B B C











Concrete's Cement Problem



The CarbiCrete Solution







01. No cement

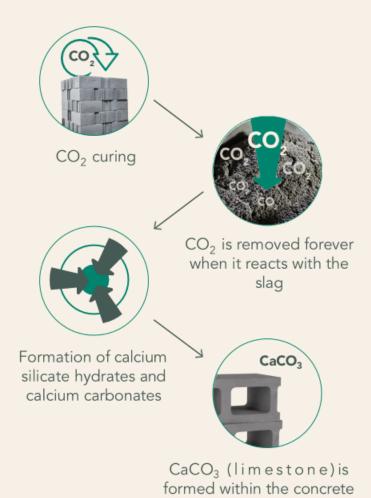
Steel slag, an industrial byproduct that is often landfilled, is a drop-in replacement

02. Standard Equipment

The mixture is formed into concrete products standard molds and machines

03. Carbonation Curing

Products reach full strength in 24 hours and CO2 is permanently removed



Carbonation Curing

Concrete products manufactured using CarbiCrete technology are cured with CO_2 . During this process, the CO_2 becomes a solid mineral, giving the concrete its strength and eliminating the carbon permanently.

Where does the CO₂ come from?

CarbiCrete currently uses biogenic CO_2 captured at ethanol plants, but the process is source-agnostic. DAC is an exciting possibility.





Comparing Curing: Cement-Based and Slag-Based Concrete

Cement

Hydraulic:

Can be cured through a reaction with water

Strength gain comes from formation of calcium silicate hydrates and calcium hydroxide

Cured using **Hydration**

Steel Slag

Limited hydraulic properties:

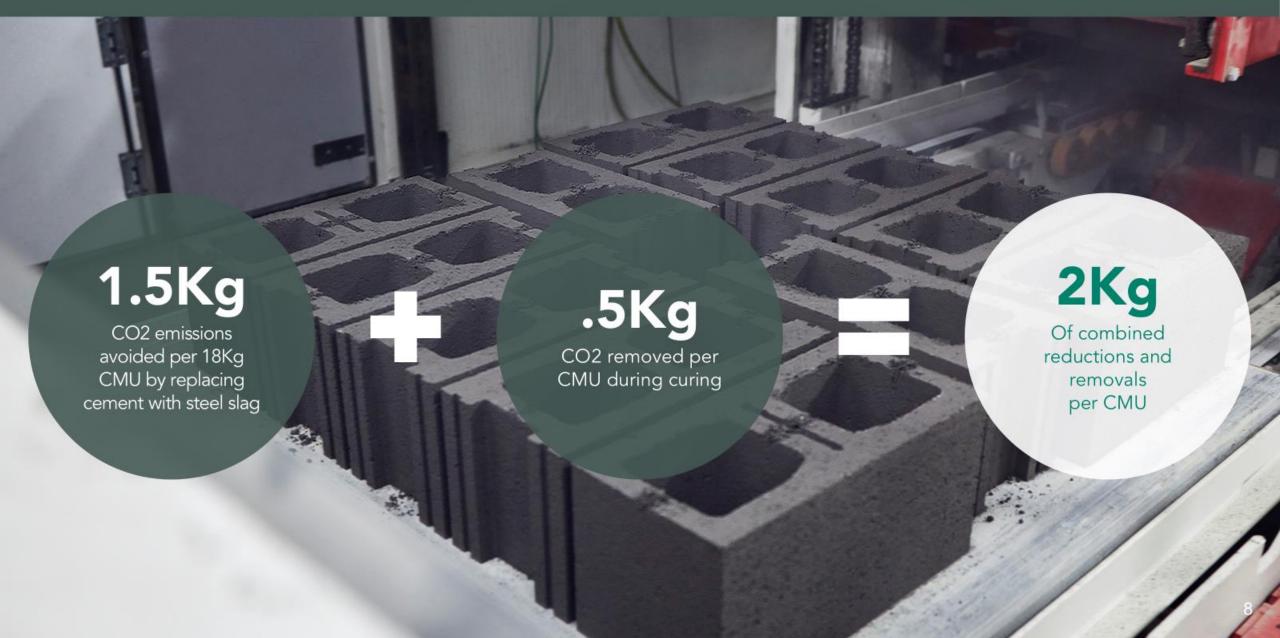
Requires a reaction with CO2 to be cured

Strength gain comes from formation of calcium silicate hydrates and calcium carbonates

Cured using Mineralization



Avoiding Emissions, Removing Carbon





Value Streams and Customer Benefits

Hedge Against Cement Price Increase

Our value proposition improves as cement costs increase (#1 customer buying motive)

Low Carbon Concrete

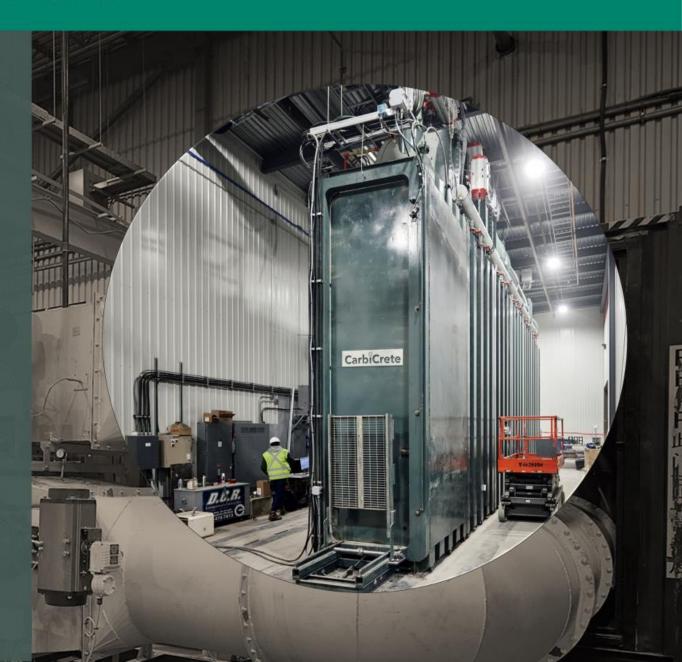
Entering the green products market will increase customer sales (#2 customer buying motive)

Carbon Credits

Benefits can be used to offset CAPEX or be shared with customer

Improved Working Capital Management

Reducing curing time from 28 days to 24 hours substantially improves workflow





Patio Drummond: From Pilot Partner to First Customer

- 36-month pilot to optimize CarbiCrete process at scale
- Led to first full-scale commercialization of cement-free CMUs in North America (Fall 2023)
- Sales supported by CarbiCrete-led co-operative marketing program
- Increasing production capacity in November 2024
- In discussions around further expansion





Seamless integration

"Implementation was actually easier than we expected."

"On the first trial day, the blocks came out perfect."

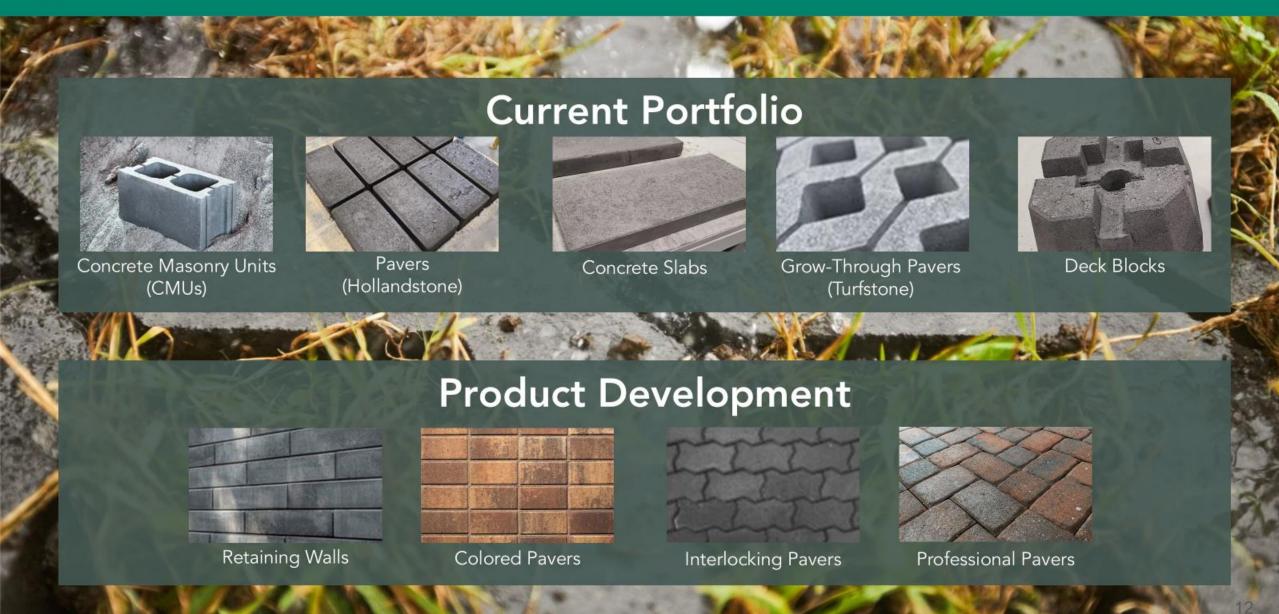
"The quality of the products that we're producing with CarbiCrete exceeds all of our expectations."

"We want to use CarbiCrete technology to make all of our products."





Expanding Product Portfolio





Cooperative Marketing

- Helps licensees sell the products they make with CarbiCrete technology
- Targets the AEC community
- Ensures on-brand communication
- Provides messaging, training and branded collateral







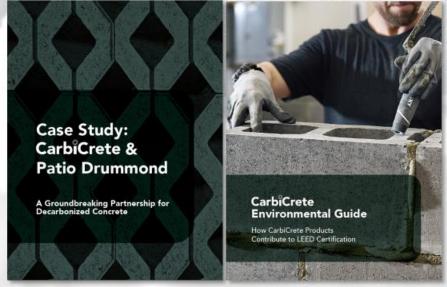




Coop Marketing Reinforced by CarbiCrete Communications

- Videos
- Ads
- Media relations
- Printed material
- Social media







Specifying cement-free CMUs

represents the single greatest opportunity for reducing embodied carbon in the built environment.

MEET OR EXCEED ASTM C90 PERFORMANCE REQUIREMENTS

MEET FIRE RESISTANCE, FREEZE/THAW AND ACOUSTIC PROPERTIES REQUIREMENTS HIGHER

COMPRESSIVE STRENGTH (UP TO 30 %)

CONTRIBUTE TO LEED POINTS



Feedback from masons

"I find the finish really beautiful. It is less porous than traditional blocks."

"Smooth cutting, with no breaking or crumbling of the CMUs."

"Piercing the holes went surprisingly well. Better than with cement blocks.

No crumbling. I enjoyed piercing with them."

"There is no difference in the installation and mortar application."





EPD: Unprecedented GWP Results for a CMU





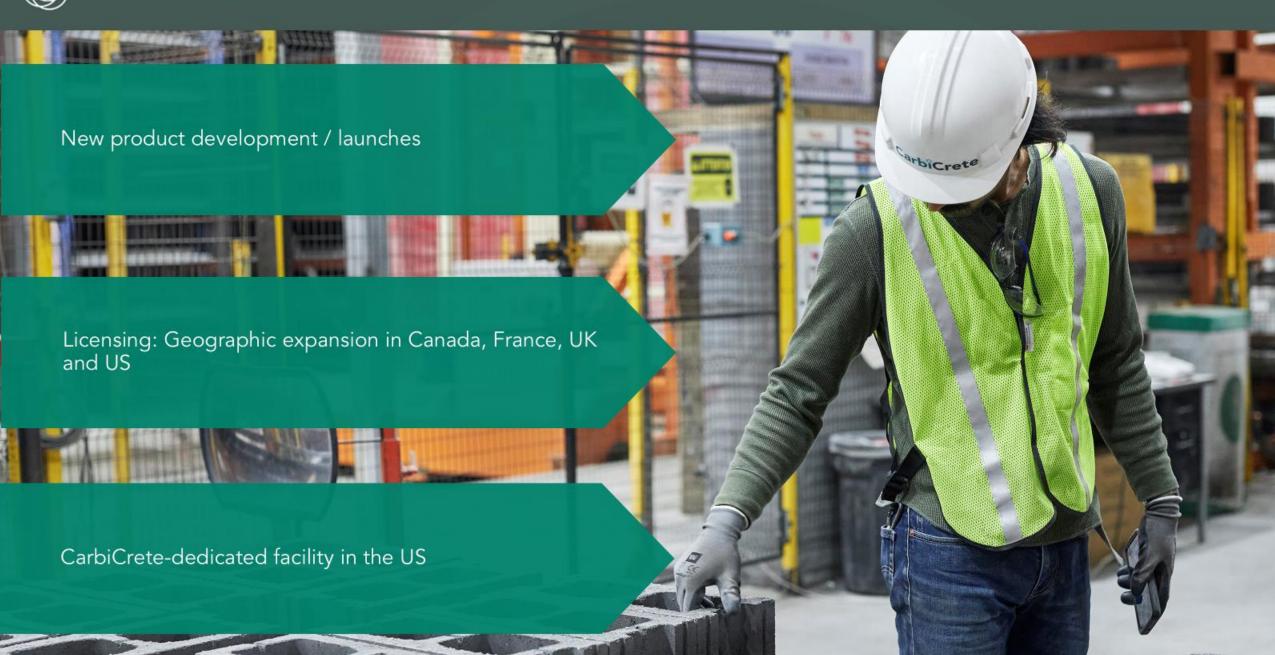
Initial Production and Product Use

- Blocks sent for third-party testing: certification and customer validation
- Products used in Spec Mix 500 regional competition
- CMUs used in local community construction project
- Demonstration Project: Aecon Innovation Centre
- Feedback gathered from masons









CarbiCrete