



Leading the transition to net zero construction

Industrial Decarb Tech Disruptors
Chance Allen, COO Terra CO2



Terra CO2: The clearest path to **Zero-Carbon Cement**

Truly Unique Technology



Deeply decarbonizes cement production utilizing noncarbonate feedstocks that can be found throughout North America



Replaces 20-100% of existing cement with a proprietary zero-carbon material



Meets an urgent need in the market TODAY



No Premiums and no Downstream Investment!
A clear & uniquely low-risk path to zero-carbon cement that will help lead decarbonization of the built environment

Unmatched Market Traction

- ✓ **3** Signed Contracts
- ✓ **15** Projects in Pipeline

De-Risked Path to Growth

- ✓ Unique low-CapEx business model
- ✓ Rapid path to scale

Cement is a critical piece of the puzzle

4B TONS

ANNUAL CEMENT PRODUCTION

>\$300B global market



Cement accounts for 13% of concrete mix

8%

OF WORLD'S
CO2 EMISSIONS

3.4B

METRIC TONS OF CO2

Equal to total global
automobile emissions

Builders will not
pay a premium for zero-carbon
promises

SPECIFIC CRITERIA MUST BE MET



More than a Science Project

with use cases that meet
current challenges and can
be scaled up quickly



Cost-Competitive vs. Current Solutions

in both the short-term and
long-term with no dependence
on green incentives



No Downstream Investment Required

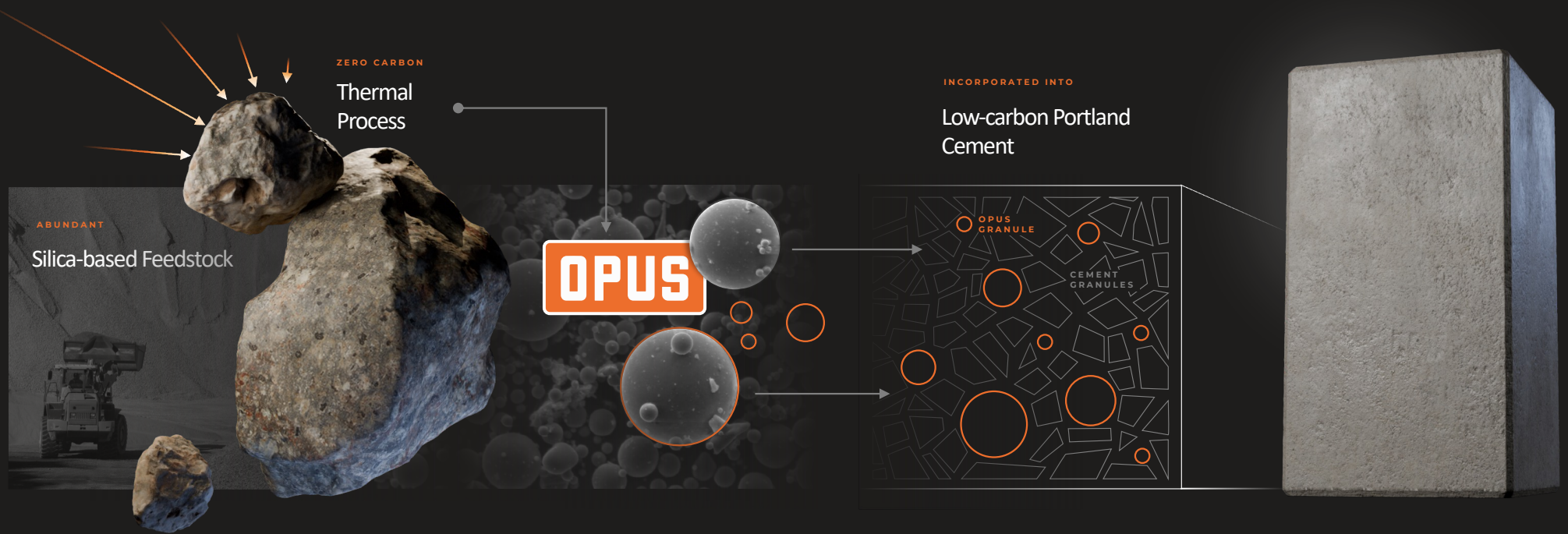
with no change to the existing
supply chain and manufacturing
infrastructure



Viable for the Long Term

leveraging feedstock that
is in ample supply and
available everywhere

Terra's technology meets all of these demands



Abundant and widely available non-carbonate material from 100+ established mines

A novel material that removes up to 100% of CO2 emissions from the cement manufacturing process

Drop-in replacement of **20-100%** of cement mix with no cost increase

Dramatic reduction in the carbon impact of concrete

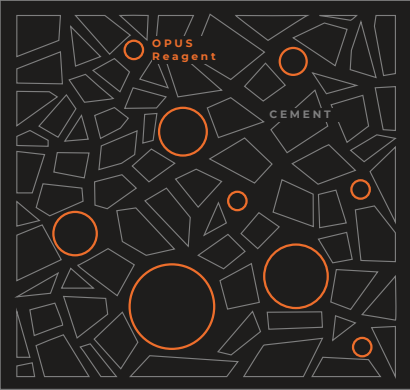
Our tech puts us on a clear path to zero carbon cement



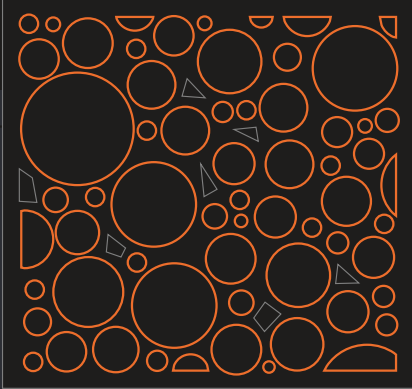
AVAILABLE NOW

20-50%
Cement Substitution

~\$85B
Market



NEXT PRODUCT



100%
Substitution

\$500B+
Market by 2030



Our first product solves two of the industry's biggest challenges

with a direct replacement for a dwindling & carbon-intensive material



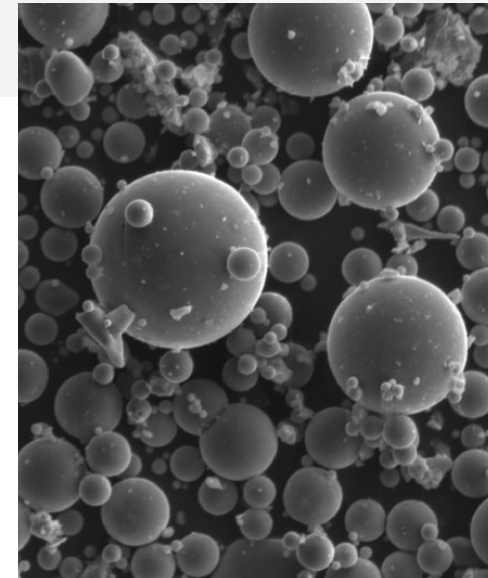
Fly Ash

THE DEFAULT SCM SOLUTION FOR PORTLAND CEMENT

- ▼ Relies on burning coal that releases CO₂
- ▼ Diminishing in supply as coal plants disappear
- ▼ Requires significant transportation costs



- ▲ Relies on a thermal reaction that does not release CO₂
- ▲ Can be derived from nearly any silicate-containing rock
- ▲ Can be sourced from existing mines close to any potential plant



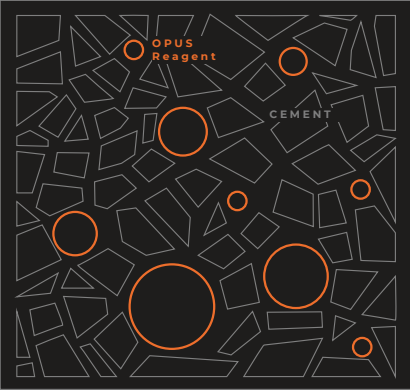
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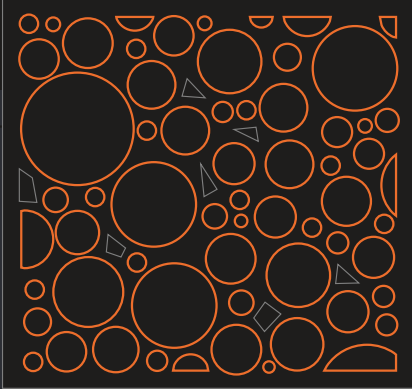
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NEXT PRODUCT

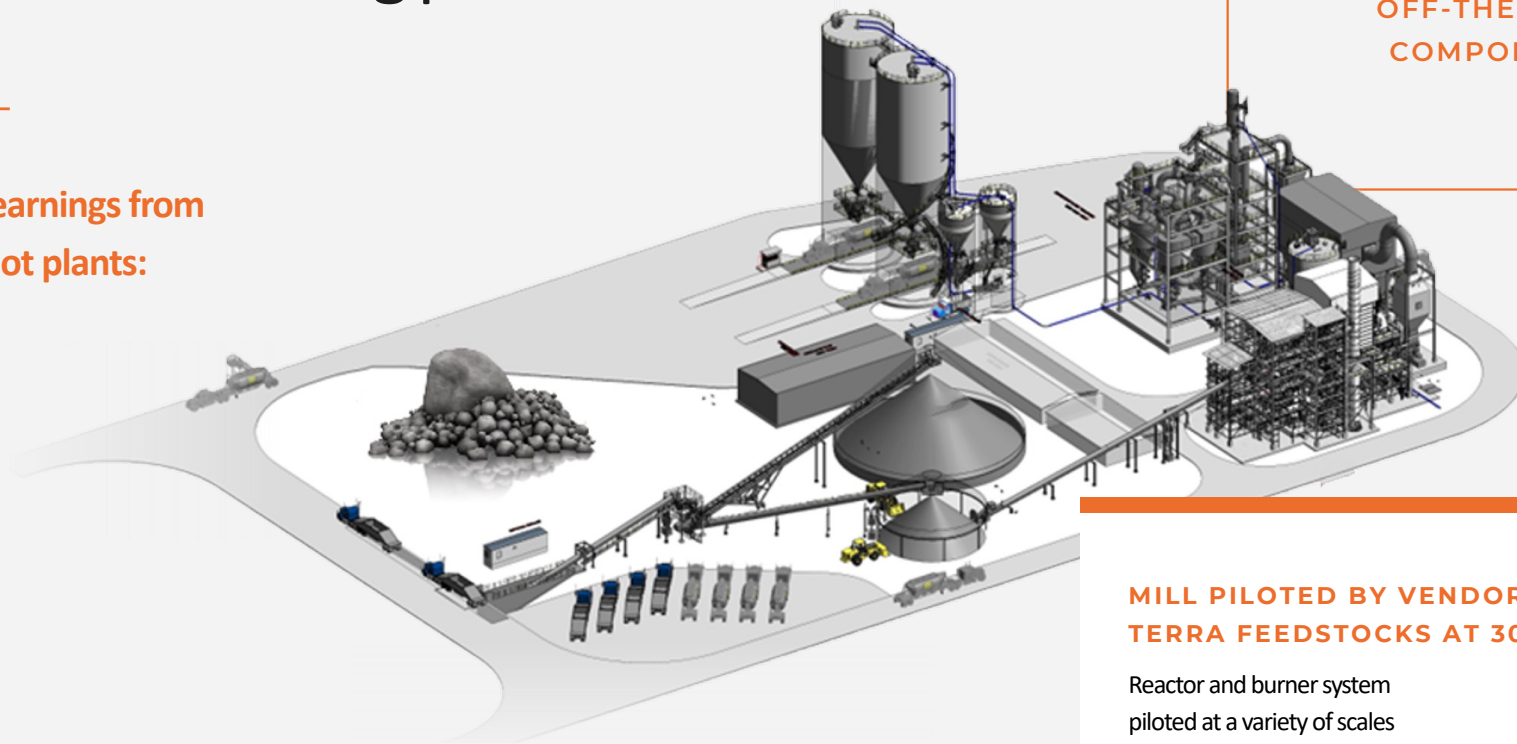


100%
Substitution

\$500B+
Market by 2030

The Terra APF: The plant that will scale our manufacturing process

Based on learnings from
our four pilot plants:



90%
OFF-THE-SHELF
COMPONENTS

**MILL PILOTTED BY VENDOR USING
TERRA FEEDSTOCKS AT 30:1**

Reactor and burner system
piloted at a variety of scales

We have developed a strong IP portfolio

Patents Issued – 17

- Broad range of claims that protect and provide exclusivity of Terra's core technology.
- Material science broadly covered
- Reactor design – the primary proprietary component of the APF
- Trademark applications in place for Terra's primary marks

Allowed – 15

- Patents allowed largely encompass international filings and expansion of existing claims.

Awaiting Examination - 44

- Patents awaiting examination largely part of international filing portfolio that is approaching completion

Internationally, the portfolio includes patent filings in Europe, ARIPO, Nigeria, OAPI, South Africa, Australia, Indonesia, Malaysia, New Zealand, Philippines, Vietnam, Brazil, Canada, Chile, China, Colombia, Mexico, Egypt, UAE, Israel, India, Japan, South Korea, Argentina and Singapore. In key foreign jurisdictions, Terra is leveraging its granted United States patents, under the Patent Prosecution Highway Program, to receive claim coverage of its core technologies

Our material is now **in the ground**

Minnesota Road Research Facility
ALBERTVILLE, MN



Porsche Sugar Land
SUGAR LAND, TX

Our unique business model takes the CapEx and the risk out of our hands

■ 01

We sell licenses
to markets

with verified feedstock supply

■ 02

Partners build &
operate plants

leveraging our designs

■ 03

We collect a royalty
for each ton sold

driving reliable recurring revenue

We are raising \$75M to pave our low-capex path to zero carbon cement



Complete Buildout
of First Two Plants

and prove out 6-9 months
of operating history



Invest in R&D
and Product

to accelerate Opus
Zero's path to market

T

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CO2