



Rock Rebar®

THE BETTER WAY TO BUILD.

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The offering materials may contain forward-looking statements and information relating to, among other things, the company, its business plan and strategy, and its industry. These forward-looking statements are based on the beliefs of, assumptions made by, and information currently available to the company’s management. When used in the offering materials, the words “estimate,” “project,” “believe,” “anticipate,” “intend,” “expect” and similar expressions are intended to identify forward-looking statements, which constitute forward-looking statements. These statements reflect management’s current views with respect to future events and are subject to risks and uncertainties that could cause the company’s actual results to differ materially from those contained in the forward-looking statements. Investors are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date on which they are made. The company does not undertake any obligation to revise or update these forward-looking statements to reflect events or circumstances after such date or to reflect the occurrence of unanticipated events.

RockRebar® is a Basalt Fiber Reinforced Polymer. BFRP is a revolutionary alternative to steel rebar used in concrete construction.

RockRebar®'s Proprietary Solution is:



SUPERIOR IN PERFORMANCE



ECO-FRIENDLY AND SUSTAINABLE



LOWER COST

Superior Performance

PERFORMANCE

SUSTAINABILITY

LOWER COST



- Unlike steel rebar, **RockRebar®**'s composition is impervious to rust and corrosion



The Primary Cause of Concrete Deterioration

PERFORMANCE

SUSTAINABILITY

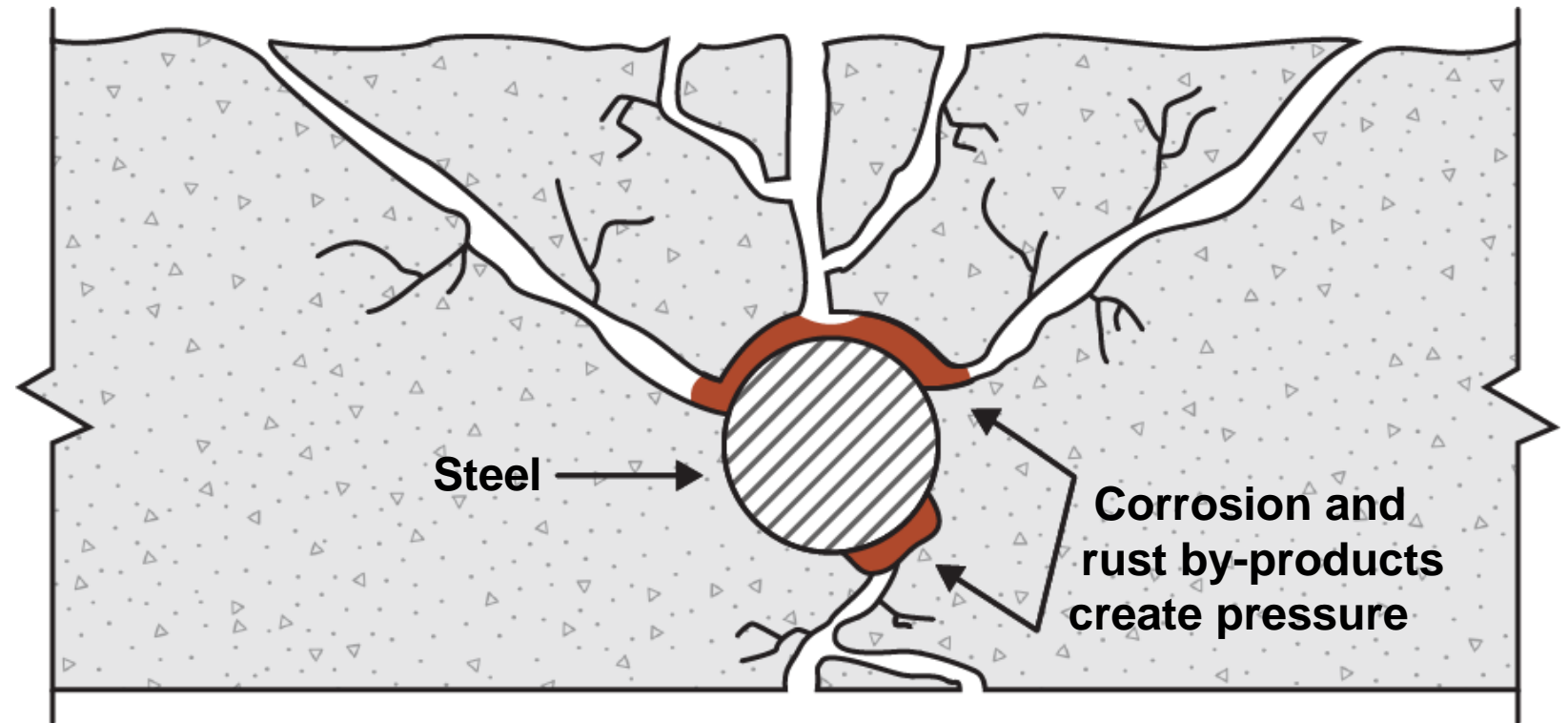
LOWER COST



“ Corrosion of reinforcing steel is the most common cause of concrete deterioration.* ”

- Unlike steel rebar, **RockRebar®**'s composition is impervious to rust and corrosion

As water, salts, acids and other corrosive elements invade the concrete, the steel rusts, expands, stresses the infrastructure and destroys the concrete from within.



* Portland Cement Association.

Superior Performance

PERFORMANCE

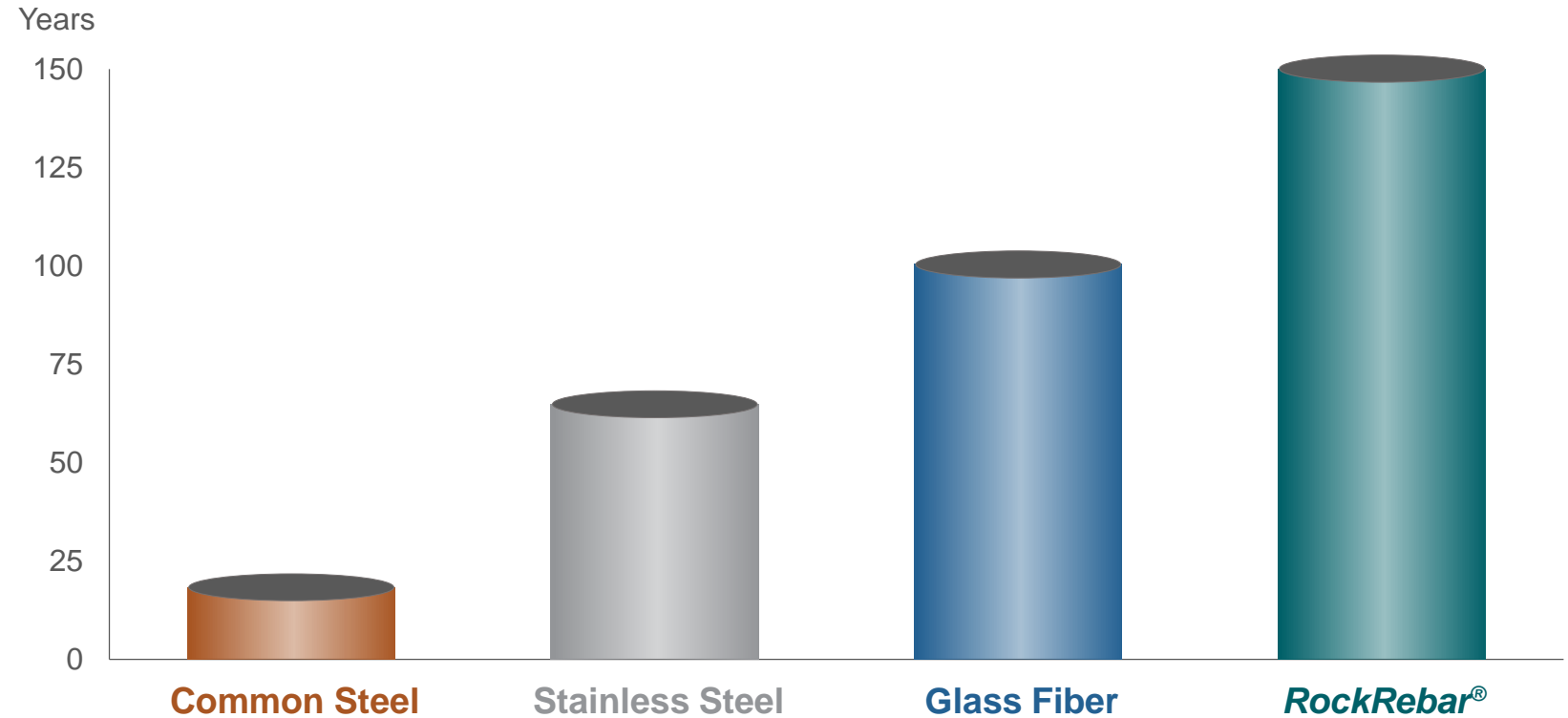
SUSTAINABILITY

LOWER COST



- Longer service life vs. alternatives

RockRebar[®] significantly improves service life of reinforced concrete.



Superior Performance

PERFORMANCE

SUSTAINABILITY

LOWER COST



- Weighs 75% less than steel rebar, reducing transportation and handling costs



Superior Performance

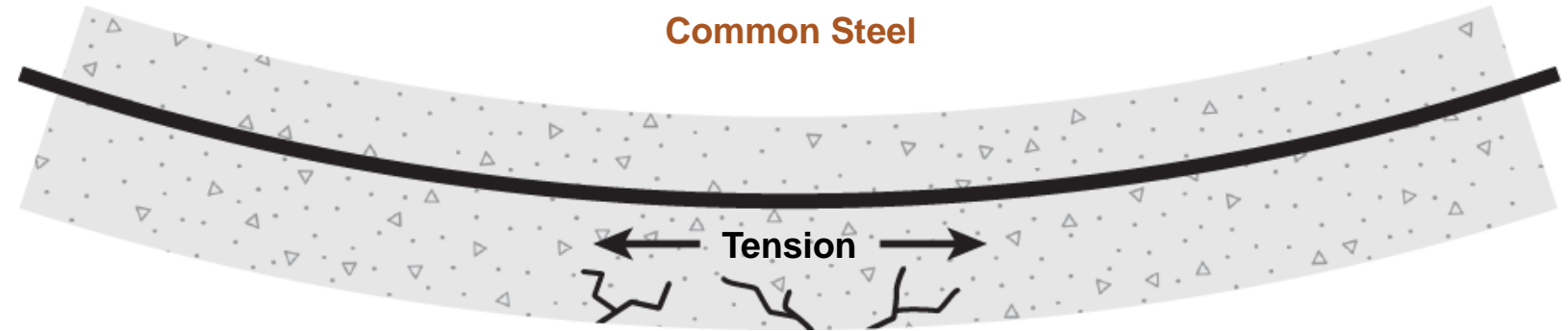
PERFORMANCE

SUSTAINABILITY

LOWER COST

\$

- **RockRebar®** has 2.5x the tensile strength of steel



RockRebar® has superior performance in concrete



Superior Performance

PERFORMANCE

SUSTAINABILITY

LOWER COST



- Unlike steel rebar, **RockRebar®**'s composition is impervious to rust and corrosion
- Longer service life vs. alternatives
- Weighs 75% less than steel rebar, reducing transportation and handling costs
- **RockRebar®** has 2.5x the tensile strength of steel
- Electrically non-conductive and non-magnetic
- Does not interfere with RF signals
- UV stable
- Broad applications
- ✓ **Precast components**
- ✓ **Concrete containment structures**
- ✓ **Bridge and railways**
- ✓ **Parking structures**
- ✓ **Concrete paving**
- ✓ **Tunneling and mining**
- ✓ **Masonry strengthening**
- ✓ **Reducing weight for interior structures**
- ✓ **High voltage and electric magnetic field environments**
- ✓ **Marine applications**
- ✓ **Improved cell phone performance**

Superior Performance vs. Steel Rebar

PERFORMANCE

SUSTAINABILITY

LOWER COST



	<i>RockRebar</i> [®]	Common Steel
Tensile Strength MPa	1,250–1,500	500–600
Light Weight G/cm³	1.9	7.85
Resistance to Rust	Non-Corrosive	Corrosive
Corrosion Resistance	Non-Corrosive	Corrosive
Energy Required to Produce	x	10x
Manufacturing Simplicity	Simple	Complex
Sustainability of Raw Material	Very High	Low
Carbon Footprint	Very Small	Very Large

RockRebar®'s BFRP Outperforms All Other Solutions

PERFORMANCE

SUSTAINABILITY

LOWER COST



	<i>RockRebar®</i>	Common Steel	Stainless Steel	Carbon Fiber	Glass Fiber
Tensile Strength MPa	8	3	3	10	7
Light Weight G/cm³	9	1	1	10	7
Resistance to Rust	10	1	7	10	10
Corrosion Resistance	10	1	7	8	10
Energy Required to Produce	10	1	1	5	6
Manufacturing Simplicity	10	6	1	2	5
Sustainability of Raw Material	10	4	4	10	2
Small Carbon Footprint	10	2	1	6	3
Low Cost	5-10	7	2	1	5



Eco-Friendly and Sustainable

PERFORMANCE

SUSTAINABILITY

LOWER COST



RockRebar[®] has the lowest carbon footprint of any concrete reinforcement — 1/10 that of steel.*

Basalt's fiber has the lowest environmental impact vs. other fiber reinforced polymers.

RockRebar[®]'s very long service life reduces maintenance and repairs.

Concrete with **RockRebar[®]** can be reground and reused.

Extremely long shelf life.

Basalt is an abundant and readily accessible domestic resource.

* American Concrete Manufacturing Association.



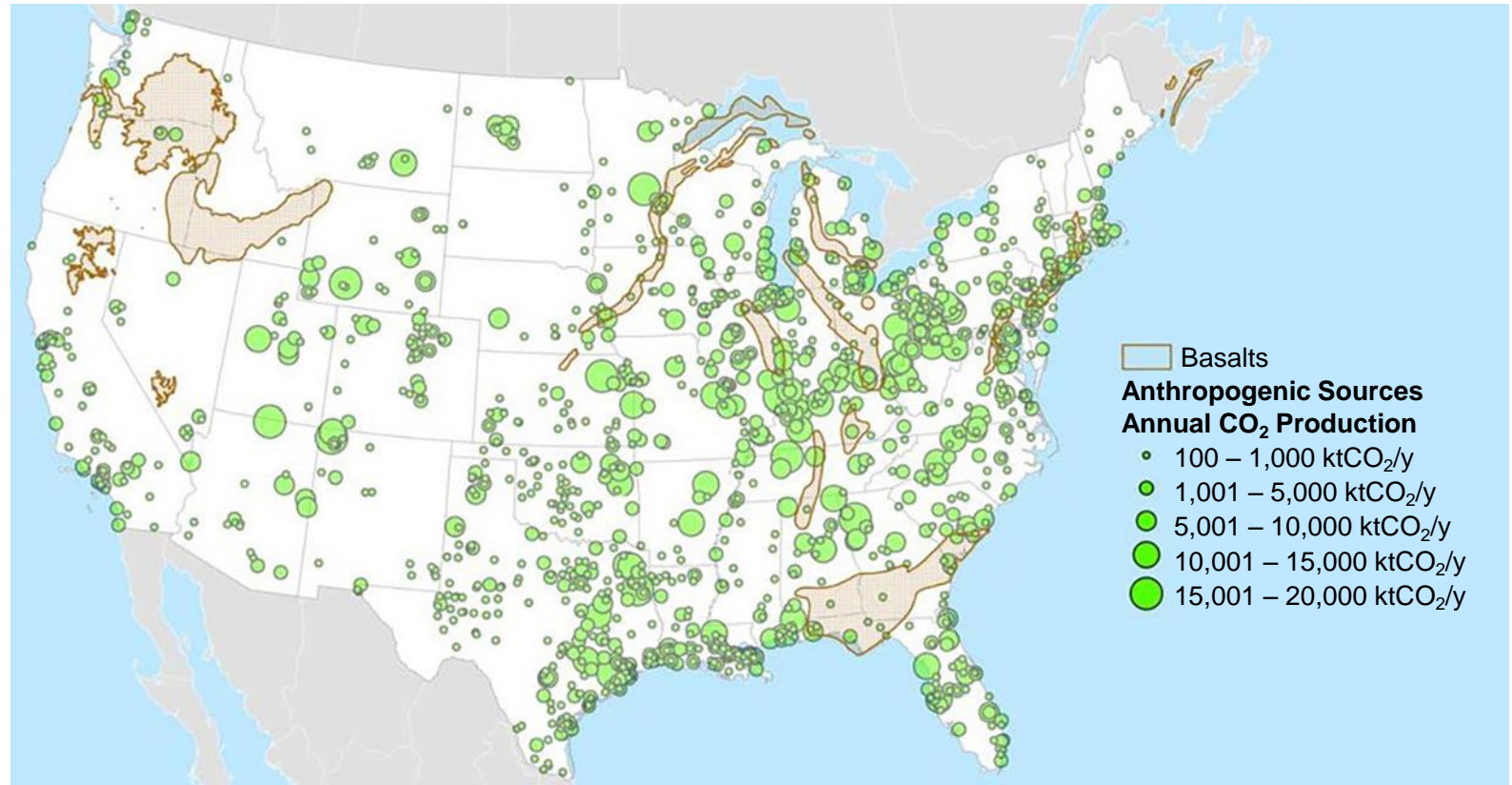
Eco-Friendly and Sustainable

Basalt is an abundant
and readily accessible
domestic resource.



Eco-Friendly and Sustainable

Basalt is an abundant
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The Advantages of Regrinding Concrete

PERFORMANCE

SUSTAINABILITY

LOWER COST



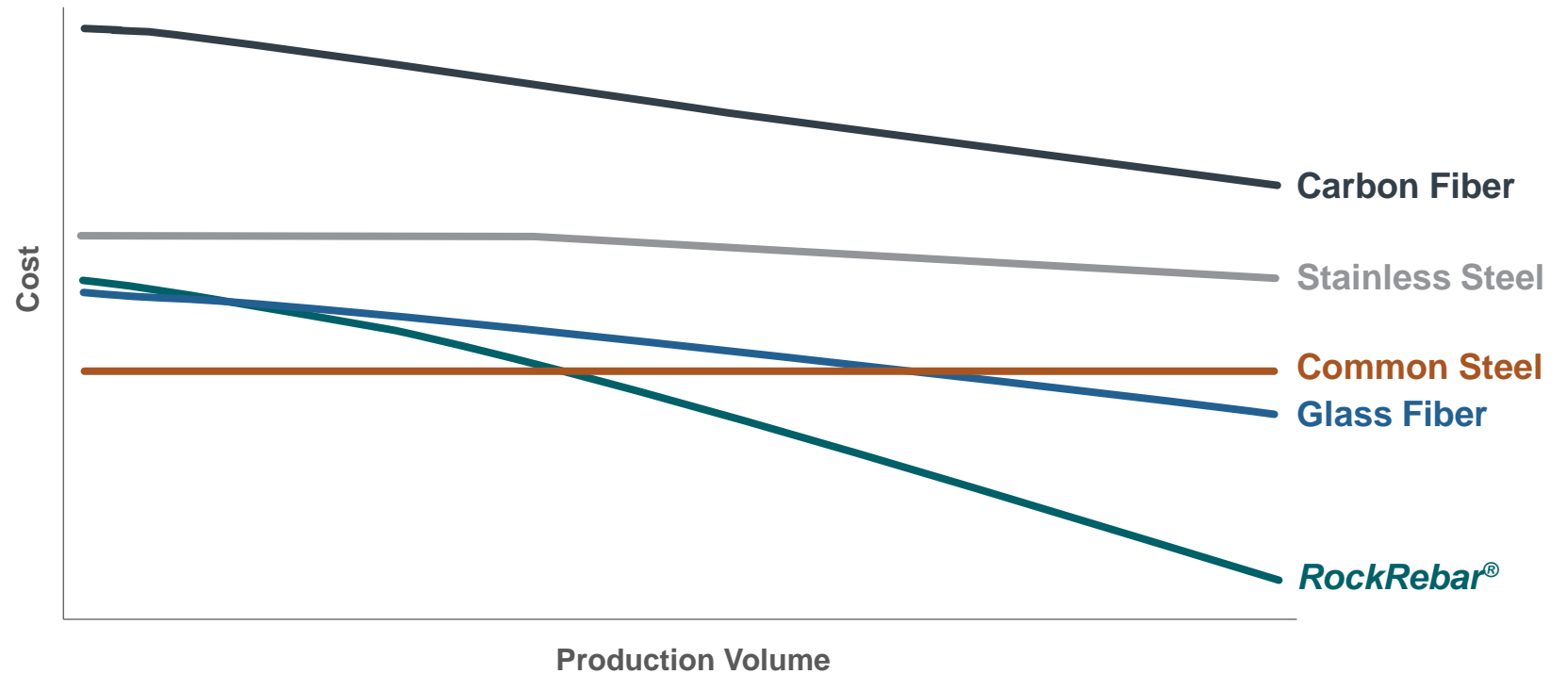
- Reduces amount of landfill
- Can be performed at the site of demolition and new construction
- Reusing demolished concrete reduces carbon footprint
- Lowers cost of:
 - Demolition
 - Haulage
 - Concrete Production
 - Disposal
- Can only be done with basalt fiber reinforced polymers, not steel rebar



Lower Cost

- As production capacity increases, the cost of producing **RockRebar®** drops dramatically

Cost of **RockRebar®** vs. Alternatives at Different Quantities



*In volume production
RockRebar® will become
the lowest cost.*

Compelling Market Dynamics

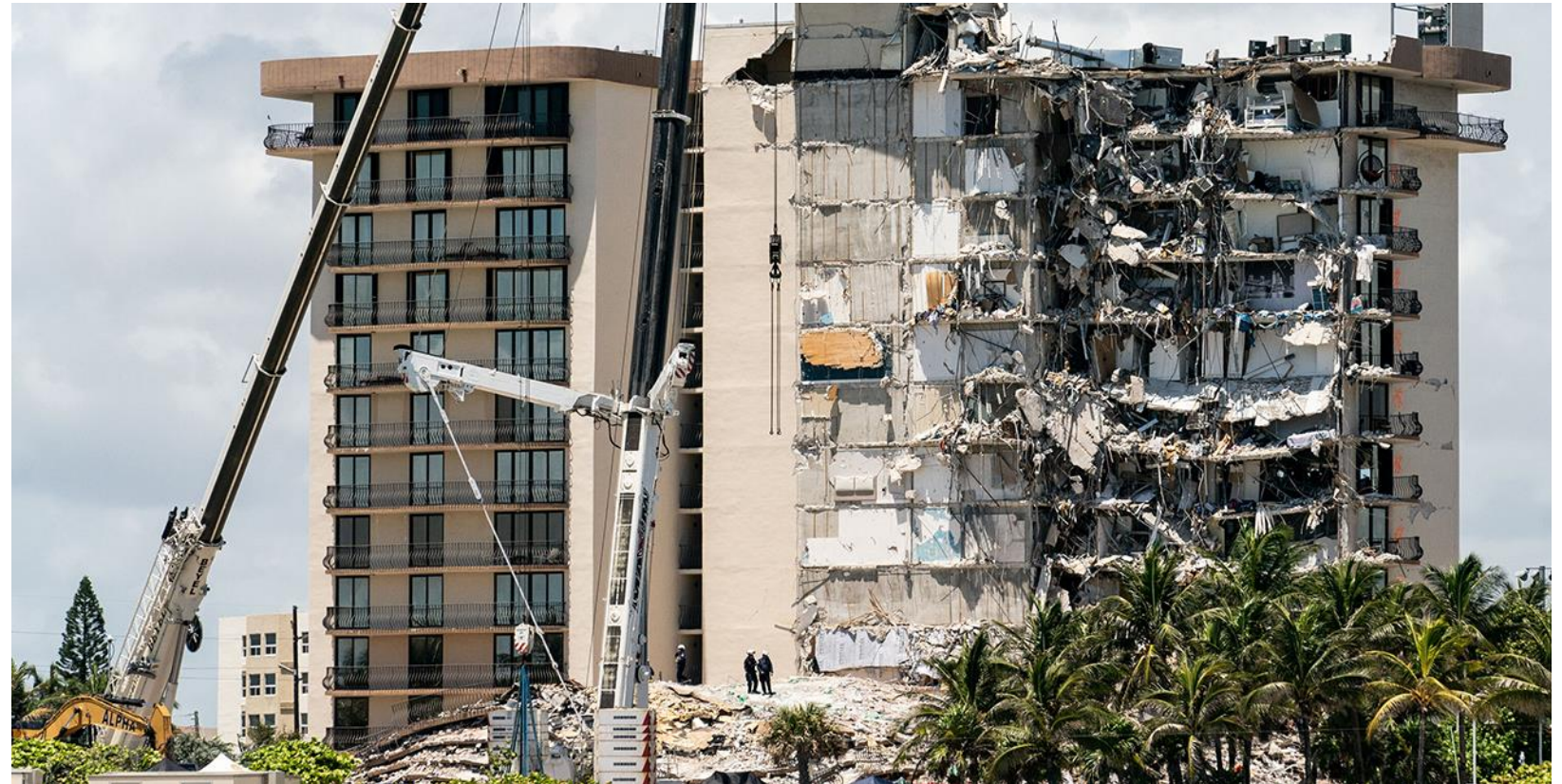
PERFORMANCE

SUSTAINABILITY

LOWER COST



- Demand for safer building standards



Compelling Market Dynamics

PERFORMANCE

SUSTAINABILITY

LOWER COST



- Reduced reliance on \$1.2 billion of foreign imports
- Increasing pressure for greener solutions

“ “ The demand for environmentally friendly and easily recyclable fiber and fiber reinforced composite products is increasing due to new stringent government regulations.¹ ” ”

¹ Markets and Markets.

Compelling Market Dynamics

PERFORMANCE

SUSTAINABILITY

LOWER COST

\$

- Infrastructure Investment Act will drive greater U.S. demand and offers **RockRebar®** multiple ways to participate

\$110 Billion — Roads, Bridges and Major Projects

\$40 Billion — Bridge Repair/Replacement

\$17 Billion — Ports Infrastructure

\$25 Billion — Airport Repair

\$50 Billion — Water Infrastructure Resilience

Source: *Forbes Magazine*, November 2021.

Compelling Market Dynamics

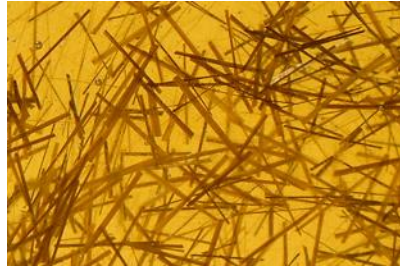
PERFORMANCE

SUSTAINABILITY

LOWER COST



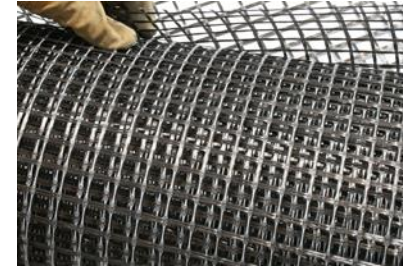
- Opportunity for extended product line



RockStaples®



RockStirrups®



RockMesh®



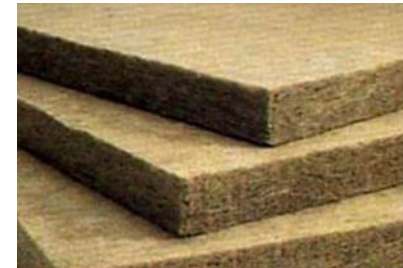
Fiber Fabric



Structural Components



Cell Towers



Insulation



Solar Panels

Compelling Market Dynamics

PERFORMANCE

SUSTAINABILITY

LOWER COST



- U.S. and global demand is very large and growing

“ “ The high growth of BFRP is mainly due to the growing demand from the construction and infrastructure sectors.¹ ” ”

¹ Markets and Markets.

Market Size for Concrete Reinforcement is Dramatic

PERFORMANCE

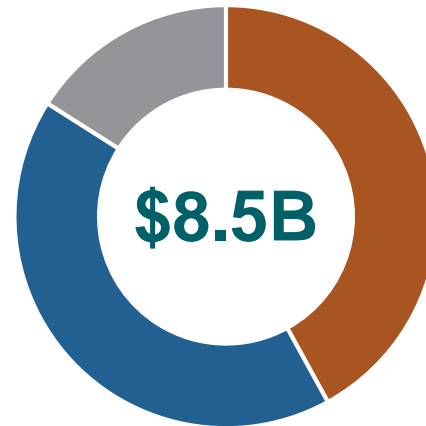
SUSTAINABILITY

LOWER COST

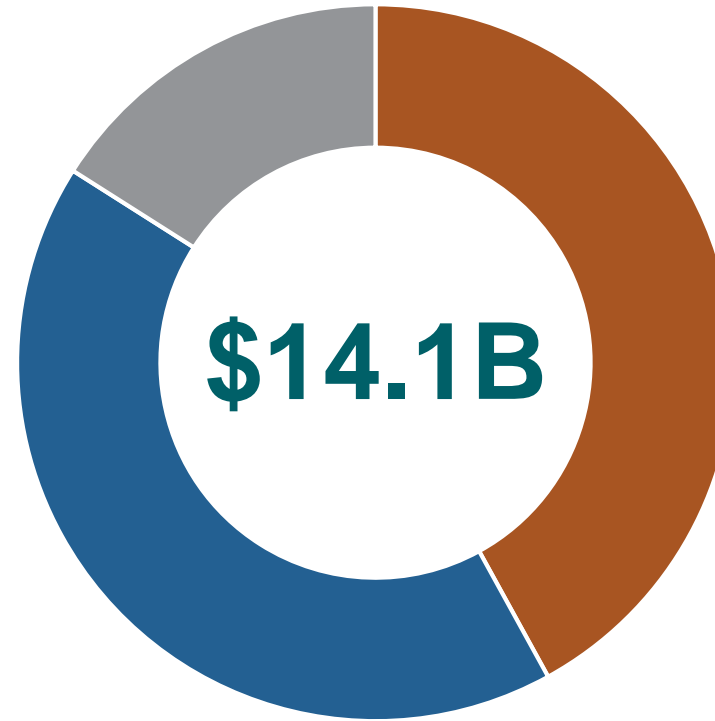


U.S. Steel Rebar Consumption

- Buildings
- Water and Sewer
- Roads and Bridges



2020



2027

Compound Annual Growth Rate:

8.8%

Source: Grand View Research, U.S. steel merchant and rebar market size, 2020–2027.

Market Size for Concrete Reinforcement is Dramatic

PERFORMANCE

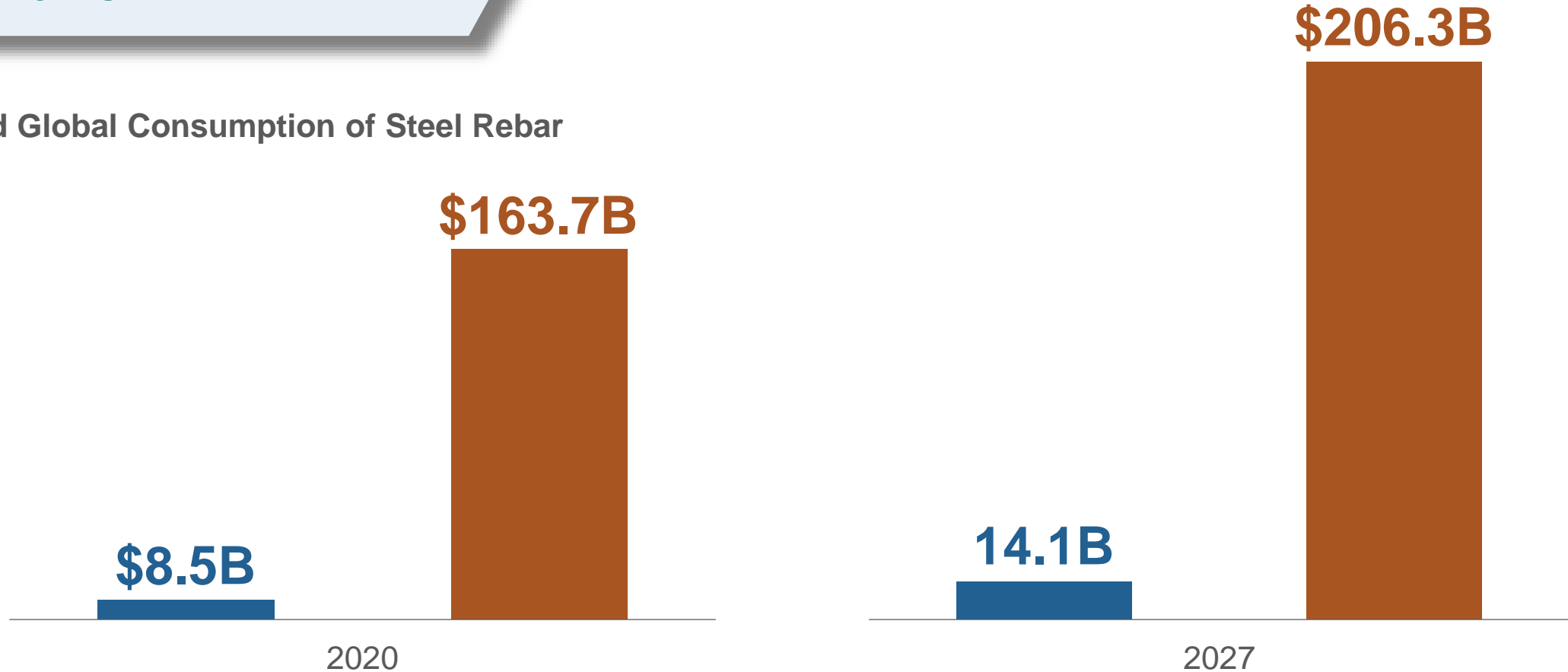
SUSTAINABILITY

LOWER COST

\$

U.S. and Global Consumption of Steel Rebar

- U.S.
- Global



Source: Grand View Research, U.S. steel merchant and rebar market size, 2020–2027.

RockRebar®'s Manufacturing Process

PERFORMANCE

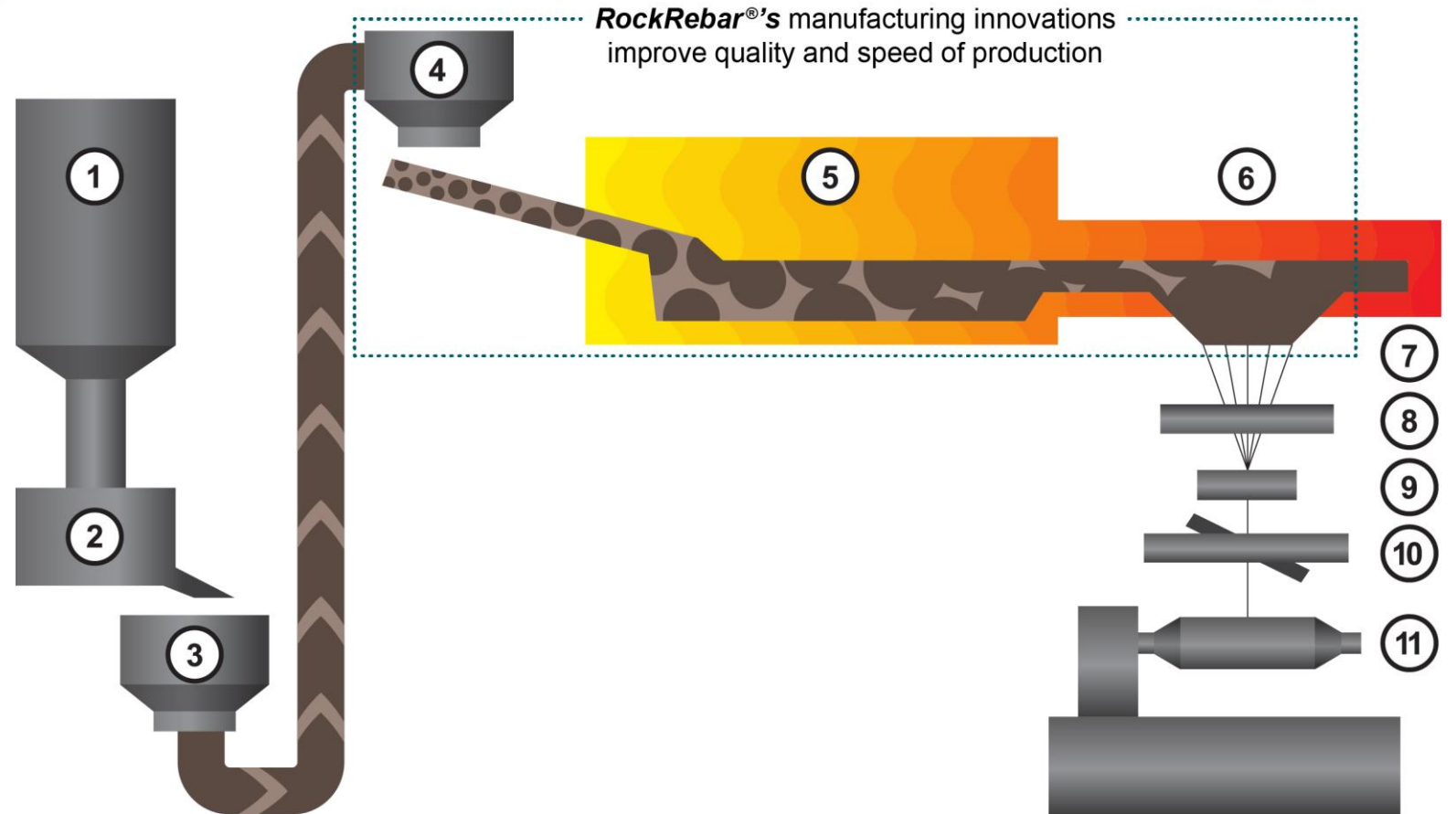
SUSTAINABILITY

LOWER COST



Diagram of Basalt Fiber Production

1. Crushed Lava Basalt Stone Silo
2. Loading Station
3. Transport System
4. Batch Charging Station
5. Initial Melting Zone
6. Secondary Controlled Heat Zone
7. Filament Forming
8. Sizing Applicator
9. Strand Formation
10. Fiber Tensioning
11. Winding



Potential Revenue Based on Market Share

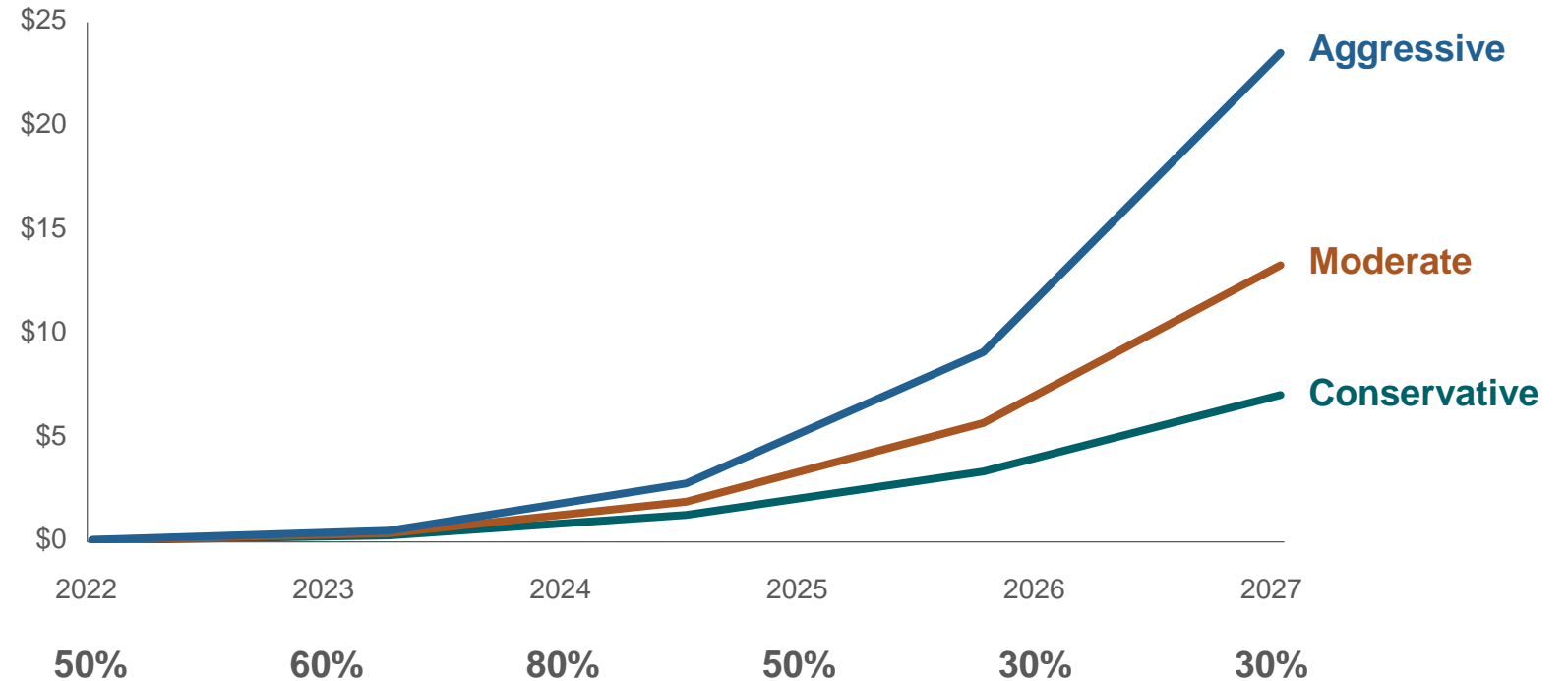
PERFORMANCE

SUSTAINABILITY

LOWER COST

\$

\$ in Billions



Where We Are Today

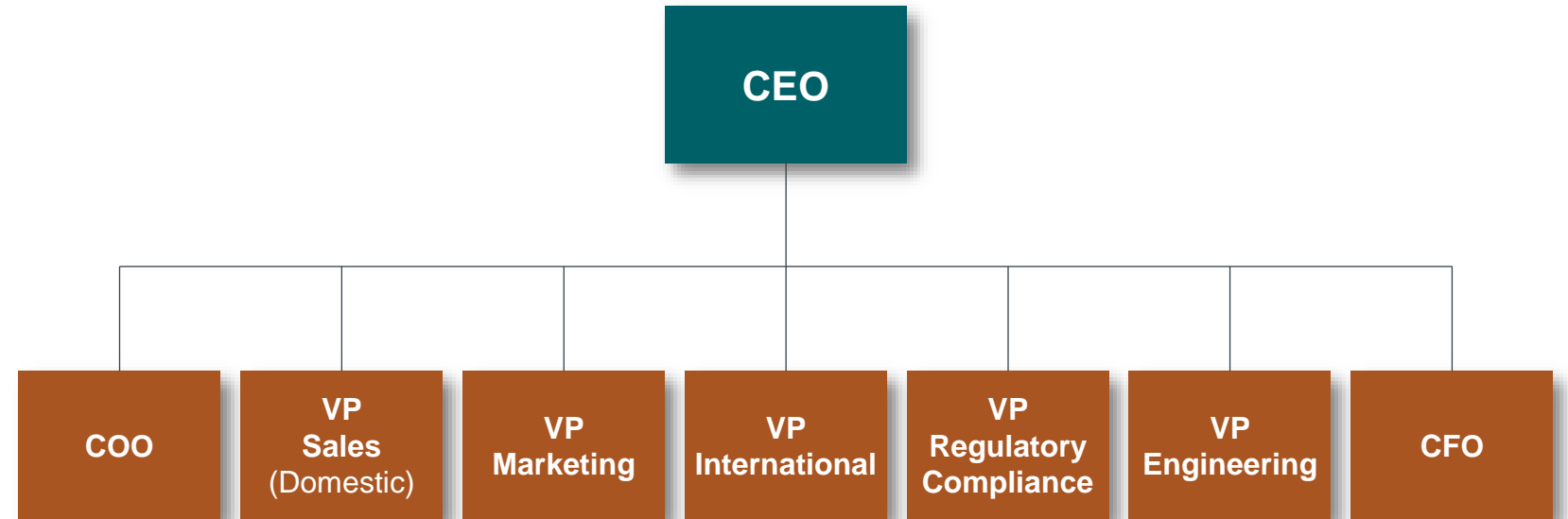
- Comprehensive product line
- Patents and proprietary formulas
- Approvals and certification

- ✓ **Certified by ICC-ES Acceptance Criteria 454**
- ✓ **Complies with ASTM D7957 and CSA 5807 material standards for Epoxy Reinforced Fiber Rebar for concrete reinforcement**
- ✓ **Meets American Concrete Institute specifications for reinforced concrete**
- ✓ **Approved for use by the U.S. Army Corps of Engineers and the Federal Highway Administration**
- ✓ **Strong European appetite for green solutions**
- ✓ **India and the rest of Asia ex. China presents an increasingly large market**
- ✓ **Alternatives to steel mandated in Infrastructure Investment Act**



Where We Are Today

- Importing fiber/high transportation costs
- Demand far exceeds our manufacturing capacity
- Current financials
- Current organization structure



Competitive Environment

PERFORMANCE

SUSTAINABILITY

LOWER COST



- China is, by far, the largest producer of BFRPs, but the inferior resin systems they use to achieve low cost are not approved in the U.S. and most developed countries
- Fiberglass reinforced polymers can replace steel rebar, but are more complex and costly to produce, are subject to alkaline corrosion and have a significant environmental impact
- Several U.S. companies are attempting to produce BFRPs. However, they do not have **RockRebar®**'s proprietary resin formulas, manufacturing processes or high-quality products.

RockRebar®

- ✓ Most sustainable resource
- ✓ Lowest material costs
- ✓ Least expensive to produce
- ✓ Smallest environmental impact
- ✓ Longest service life
- ✓ Highest performance ratings
- ✓ Best cost/benefit characteristics
- ✓ Simplest manufacturing process

Use of Proceeds

PERFORMANCE

SUSTAINABILITY

LOWER COST



	\$50MM	\$150MM	\$300MM	\$600MM
	% of Proceeds	% of Proceeds	% of Proceeds	% of Proceeds
Working Capital Operations, insurances, transportation, utilities, etc.	9	7	5	3
Supply Chain and Production Raw materials, shipping, and production	32	34	25	16
Investment and Acquisitions to Scale Capacity Additional machines, factory expansion, set-up of U.S.-based furnace system, tooling	40	45	57	69
Sales and Marketing Sales engineers, trade shows, advertising, education	2	1	1	1
Human Resources	7	4	3	2
Capital Markets Expenditures E.g., legal, consulting, listing and related fees	10	9	9	9
	100%	100%	100%	100%

Deal Terms

PERFORMANCE

SUSTAINABILITY

LOWER COST



Maximum Offering	\$600 Million
Closing Periods	Rolling
Expected Public Offering	2023

RockRebar®'s Proprietary Solution



SUPERIOR IN PERFORMANCE



ECO-FRIENDLY AND SUSTAINABLE



LOWER COST

**For more information,
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PERFORMANCE

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To schedule a meeting with Rod and Don [click here](#).