Procuring to Pouring Sustainable Concrete

Joy Davidson
Business Analyst
Thomas Concrete

J. Richard Alsop
Architect, Director
AIA NC Continuing Education

CARBON CURE™

Thank You for Joining Our Webinar!

- You will be muted
- Webinar recording will be shared
- For best results, use high-speed internet
- Chat window on lower right
- Q&A and survey at the end

Disclaimer: *This webinar is provided for general information purposes only and does not constitute legal or professional advice. No user should act on the basis of any material contained in the webinar without obtaining proper professional advice specific to their situation.*

CARBON CURE

AIA Learning Objectives

1. Discuss how to enhance a project's success by **communicating a deep commitment to sustainability and green construction** across all leadership levels.

1. Define the respective roles and **importance of the project team ecosystem** (owner, general contractor and concrete contractor) in the development of a sustainable construction project.

1. **Identify feasible and cost-appropriate solutions for general contractors and building owners** to reduce a project's environmental impact and carbon footprint through the procurement of low-embodied carbon concrete.

1. Share best leadership and practitioner practices to successfully **establish sustainability commitments and mitigate environmental impacts** of development.

CARBON CURE

CONTINUING EDUCATION AIA

Meet the Speakers

Joy Davidson
Business Analyst
Thomas Concrete

J. Richard Alsop
Architect, Director
AIA NC Continuing Education

CARBON CURE

Did you know?

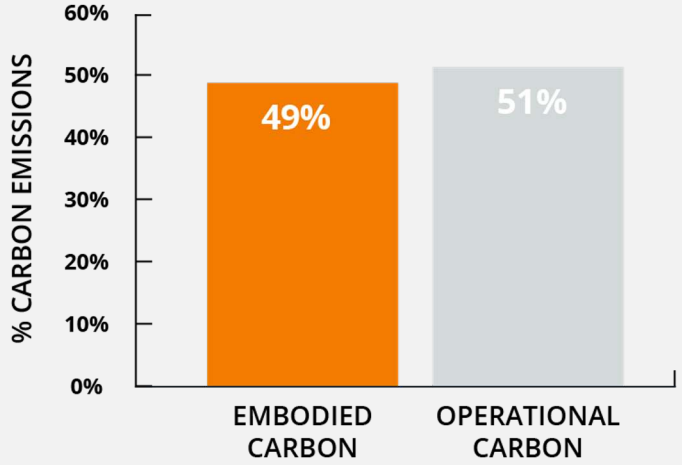
The world's building stock is expected to double by the year 2060. This means we're building an entire New York City every month for the next four decades.

Did you know?

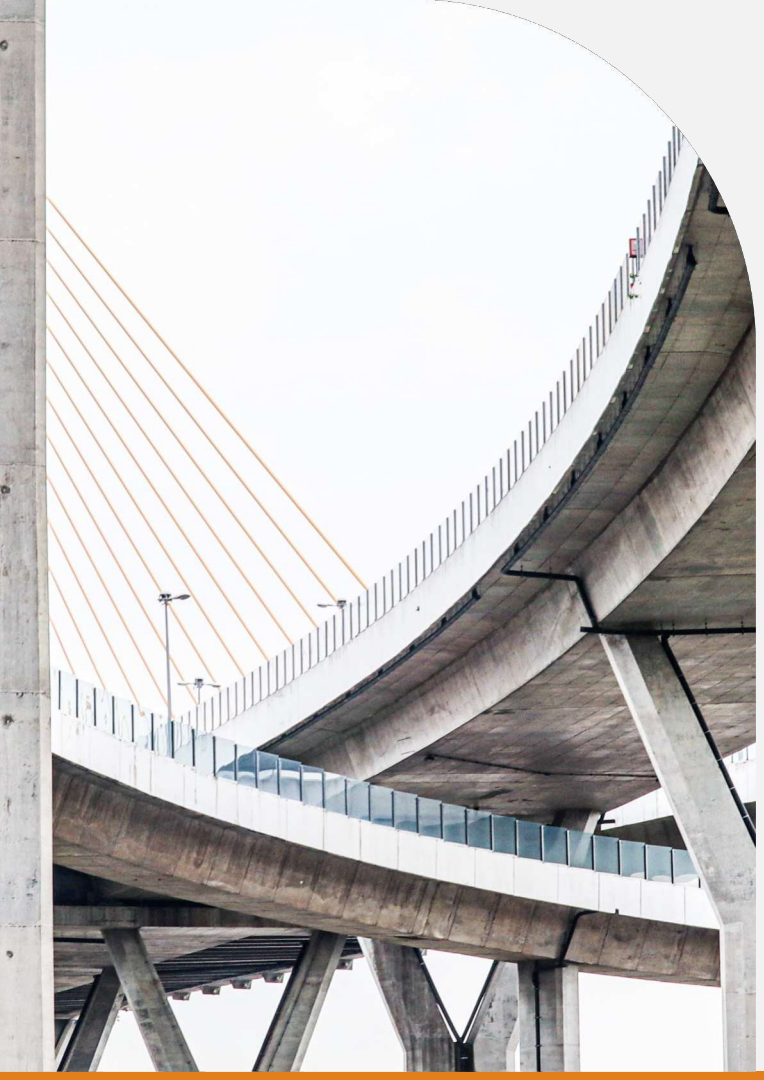
Of that new construction, embodied carbon is expected to account for nearly 50% of the total emissions generated.

Total Carbon Emissions of Global New Construction from 2020-2050

Business as Usual Projection



Data Sources: UN Environment Global Status Report 2017; EIA International Energy Outlook 2017.



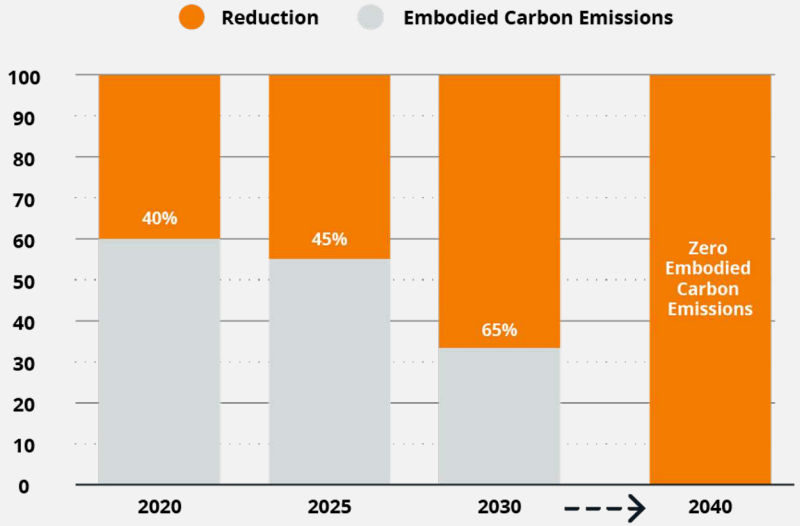
Concrete is the most abundant man-made material in the world.

As a result, cement production creates **~7%** of the world's CO_2 emissions and is one of the **largest contributors** to embodied carbon in the built environment.

Architecture 2030 Challenge

The 2030 Challenge for Embodied Carbon

Buildings, Infrastructure, and Materials



> "If we do not achieve a 65% reduction in total global emissions by 2030, we will have lost the opportunity to meet the 1.5-2°C warming threshold and climate change will become irreversible. **The immediate focus for embodied carbon reductions must therefore be on the *next decade*."**
>
> Architecture 2030

CarbonCure's Solution for Embodied Carbon

- CarbonCure's CO_2 mineralization technology is a proven solution for reducing embodied carbon ***today***
- The tech beneficially repurposes CO_2 to reduce concrete's carbon footprint — without negatively impacting performance

CARBON CURE

Reference Project: Thomas Concrete & CarbonCure

Fox Hill Business Park
Greenville, SC

Reference Project: Thomas Concrete & CarbonCure

Smith Farms Industrial Park
Spartanburg County, SC

Thank You!

Questions?

@CarbonCure
CarbonCure-Technologies
CarbonCure.Technologies
@CarbonCure

CARBON CURE™
www.carboncure.com

Join us for our next webinar