Procuring to Pouring Sustainable Concrete

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Thomas Concrete

J. Richard Alsop
Architect, Director
AIA NC Continuing Education
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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.
Meet the Speakers

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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.
Of that new construction, embodied carbon is expected to account for nearly 50% of the total emissions generated.
Concrete is the most abundant man-made material in the world.

As a result, cement production creates ~7% of the world’s CO₂ 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 CO₂ mineralization technology is a proven solution for reducing embodied carbon *today*

- The tech beneficially repurposes CO₂ to reduce concrete’s carbon footprint — without negatively impacting performance
Reference Project: Thomas Concrete & CarbonCure

Smith Farms Industrial Park
Spartanburg County, SC
Thank You!

Questions?
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FREE LIVE WEBINAR  JUNE 8, 2022  10:00 AM PT | 12:00 PM CT | 1:00 PM ET

Carbon Credits: The New Revenue Opportunity for Concrete Producers