



Changing the World Brick by Brick

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Headquartered in Research Triangle Park, Biomason grows precast materials (bricks) using microorganisms in a process that can be described as a combination of hydroponics and traditional concrete block manufacturing.

The company has taken inspiration from coral, one of the most robust and enduring structures on our planet. This has led to a unique manufacturing process, eliminating the need to emit carbon in the production of building materials.

“We are leading the global transition for planet-friendly construction through biotechnology. 2021 is an important year for Biomason; we’re rapidly scaling our technology and team - launching projects with global brand customers in the coming months,” said Ginger Krieg-Dosier, co-founder & CEO of Biomason.

Biomason’s patented process begins with mixing aggregate with microorganisms which is then pressed into a brick shape and fed an aqueous solution until the brick is hardened. The process enables bricks to be formed in ambient temperatures by replacing the curing process with the formation of biologically controlled structural cement. The bricks reach their full strength in less than 72 hours - as opposed to 28 days that it takes for concrete to cure.

- The cement industry accounts for approximately 8% of global carbon dioxide emissions.
- Concrete production uses up to 10% of global drinking water.
- Concrete is the second most consumed substance, following water.

According to Richard Branson, founder of Virgin Group *“If you can produce environmentally friendly bricks ... since bricks is about a gigaton of all the carbon output - if you can save a gigaton, and there’s only twenty gigatons we need to take out of the earth’s atmosphere to balance the global warming problem, you deserve to win a prize.”*

Biomason’s solutions range from commercially available precast products to field-tested shoreline defense, soil stabilization, and agile deployment of logistical infrastructures that actively sequester environmental carbon.

To find out more about Biomason’s revolutionary line of carbon neutral construction materials visit www.biomason.com.