



Future50

Industry, Manufacturing
and Resource Management

Low-GHG Concrete/
Alternatives for Construction



Tile Green



<https://www.tilegreen.org/>

#LowGHGConcrete

Highlights

TileGreen notes participating in the **2021 AUC Venture Lab Accelerator** program,⁶³ as well as working with large partners such as **SODIC**,⁶⁴ which it mentions tests its products and shares feedback, and the **European Bank for Reconstruction and Development (EBRD)**.⁶⁵

Strategic alliances:

- Construction Developers
- Universities
- Real Estate Developers
- Government Infrastructure

List impact technologies:

Low-GHG Concrete, Smart Buildings, Carbon-Negative Building Materials, Recycling Low-Value Plastic Waste, Recycling Construction Waste

Headquarters and Middle East operational countries:

Egypt

Summary

TileGreen is focused on **creating high-performing, 100% eco-friendly paving tiles** and other building materials from low-value unrecyclable plastic waste, replacing cement and other unsustainable building material. TileGreen's technology accommodates all types of plastic waste, and the company promotes its potential to create more than 45 variants of building materials.

Impacts

TileGreen promises average-priced building material products that are **20x more weather-resistant and 2x stronger** than cement-based alternatives, while maintaining the same specifications – an overall offering that the company concludes is economic, environmentally friendly and high-performing. TileGreen indicates that its products are fully circular and that its production process is **water-negative, plastic-negative and carbon-negative**.

