



Circular Economy Webinar

Session 11 Key Takeaways: Ecobricks: A Circular Economy Solution to Transform Plastic Waste into Sustainable Concrete

2 February 2023

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Ecobricks provides a unique plastic solution that produces a sustainable concrete alternative that uses recycled plastic waste that other recycling methods cannot handle. It outperforms conventional concrete in terms of performance and sustainability.

Key Takeaways

- 1. Finding long-term, sustainable raw materials for construction is essential to meet growing demand.** Sand, a crucial resource for manufacturing concrete, is depleting at a faster rate than it can be naturally replenished, highlighting the need for sustainable alternatives.
- 2. Ecobricks focuses on circularity in both the manufacturing process and the product itself.** It collects waste from buildings and uses it as a raw material for making concrete products for new buildings, creating circularity within industry.
- 3. The company's recycling process is clean and energy-efficient, as Ecobricks does not heat, melt, or chemically treat plastic waste.**
- 4. Ecobricks have a low-energy and low-emission manufacturing process.** Any waste generated, including its own bricks, can be recycled back into new bricks, ensuring zero waste from start to finish.
- 5. Ecobricks' key benefits include reducing carbon emissions, diverting waste from landfills, and minimizing pollutants and emissions associated with melting and heating plastic waste.**
Additionally, it helps protect the natural habitat by preventing plastics from leaching into the environment.
- 6. Ecobricks do not compete with the recycling of PET (polyethylene terephthalate) bottles or food-grade plastics,** as these materials already have established recycling solutions. Collaboration with waste management companies and government entities allows for the sourcing and collection of plastic waste that would otherwise have no demand or value.

[Watch the Recording here.](#)