Title: Using cement to make solar power
Generated on: 2026-03-27 07:04:14

CEMEX and Synhelion announced today the successful production of the world"s first solar clinker, the key component of cement, a significant step towards developing fully solar-driven ...

This article discusses the significant environmental impacts of traditional cement production while highlighting innovative solutions like solar and wind power.

MIT researchers have discovered that when you mix cement and carbon black with water, the resulting concrete self-assembles into an energy-storing supercapacitor that can put out enough juice...

A groundbreaking cement-hydrogel composite, developed by researchers in China, is turning this vision into reality. Inspired by the intricate structure of plant stems, this material harvests ...

The theoretical appeal of solar-powered cement has translated into tangible, albeit nascent, real-world progress. Pilot projects, such as the collaboration between CEMEX and ...

This involves showcasing successful case studies like rechargeable concrete batteries, cement-based thermal energy storage systems for concentrated solar plants, energy harvesting with ...

This marks a significant milestone in the companies" journey toward the world"s first fully solar-powered cement plant. An early 2022 energy lab demonstration in Spain saw researchers ...

This is where the CemSol project comes in, short for "solar production of cement with integrated CO 2 capture". The team of scientists is developing a process in which the rotary kiln is ...

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