

120-foot solar-powered container for cement plants





Overview

Can solar clinker be used for cement production?

For the first time ever, CEMEX and Synhelion successfully connected the clinker production process with the Synhelion solar receiver, producing solar clinker. This revolutionary innovation is an initial step to develop fully solar-driven cement plants.

Why should you choose a modular solar power container?

Go big with our modular design for easy additional solar power capacity. Customize your container according to various configurations, power outputs, and storage capacity according to your needs. Lower your environmental impact and achieve sustainability objectives by using clean, renewable solar energy.

Why do you need a solar container unit?

Our solar containers ensure fast deployment, scalability, customization, cost savings, reliability, and sustainability for efficient energy anywhere. With our pre-configured solar container unit, you can get going quickly, and the folding solar panels for containers can be deployed in less than three hours.

What is a solar clinker?

This revolutionary innovation is an initial step to develop fully solar-driven cement plants. CEMEX, S.A.B. de C.V. ("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 cement plants.



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An innovative and efficient solar power plant solution has been developed for cement factories. On an annual basis, solar PV systems in cement plants may save 22,941 tonnes of CO₂.



[Design of solar cement plant for supplying thermal energy in cement](#)

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