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Vatican Valley Electric solar container energy storage system





Overview

Is Vatican City powered by solar?

This is not just about rooftop panels; it's about how science, sustainability, and faith can coexist and set the pace for the rest of the world to follow. Vatican City is powered by solar. On May 29, 2025, the Vatican City officially transitioned to solar power, marking a significant shift in the European energy landscape.

Why did Acea install a solar energy system in Vatican City?

This project was carried out by ACEA, an Italian utility company, which installed systems to meet all of the Vatican's energy demands. What makes this significant is not the size, but that Vatican City is only 0.49km², and there was no loud campaign, no press tour, just action set in stone and implemented.

Why does the Vatican have a solar system?

The Vatican's solar shift is a culmination of a political and spiritual mission years in the making. In 2024, the late Pope Francis issued an apostolic letter ordering the construction of an agrivoltaic solar plant to supply the Vatican with energy from Santa Maria di Galeria. On the same site, the new solar infrastructure now stands.

How will the Vatican's new energy system work?

According to the Vatican's press office, the installation will apply the most advanced solutions currently available, balancing clean energy generation with the preservation of agricultural use, the region's hydrogeological stability, and the protection of its cultural and archaeological heritage (ZENIT News / Rome, 08.01.2025).-



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A solar panel system is being built on the 424 hectares of extraterritorial land in Ponte Galeria, which within a year will make the Holy See the first zero-emission state in the world.

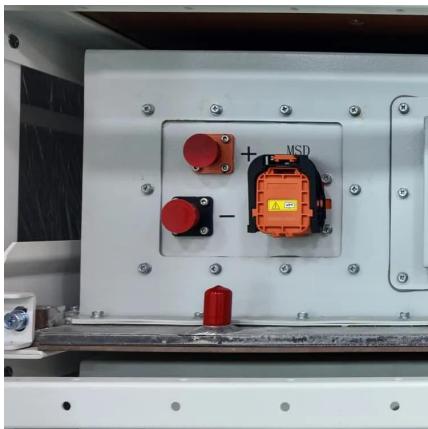
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The solar power plant is intended not only to power these antennas, but also "to ensure the entire energy subsistence of the Vatican City State," says the Pope.

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a country smaller than New York's Central Park is building a solar farm that could power its entire population. Welcome to Vatican power storage ambitions - where ancient ...



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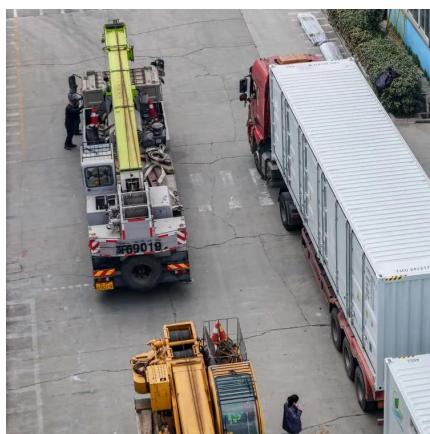
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The world's smallest country just made a big move: Vatican City is now powered entirely by solar energy, setting an example for global climate action.

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Italy clears Vatican plan for a 430-hectare solar farm at Santa Maria Galeria, putting the micro-state on course to become the world's first carbon-neutral nation.

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[Vatican City Completes Move to Solar Powered Energy](#)

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