

Title: Vatican 2 billion energy storage project

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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 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).-

This article explores how photovoltaic (PV) energy storage systems could transform the Vatican's energy infrastructure, reduce carbon footprints, and set an example for global sustainability.

The project aims to meet the full energy needs of both the Vatican State and Vatican Radio using solar technology integrated with agricultural activity.

The heart of this change is located at Santa Maria di Galeria, a former Vatican Radio site that has been transformed into a solar energy ...

With a total investment of over \$6 billion, the project includes 5.2 GW of solar capacity and 19 GWh of energy storage, making it the largest solar and BESS project in the world, capable of ...

The Holy See and the Italian Republic have signed an agreement to build an agrivoltaic plant in the Vatican's Santa Maria di Galeria area just outside of Rome, aiming to ...

The agrivoltaic plant, capable of supporting the entire energy needs of the Vatican, will be developed over much of the more than 400 hectares of ...



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