

Photovoltaic system Vatican City

With an area of 49 hectares (121 acres) [c] and a population of about 764 [13] (as of 2023), it is the smallest state in the world both by area and by population. [21] It is also the second-least populated capital in the world. As governed by the Holy See, Vatican City State is an ecclesiastical or sacerdotal-monarchical state ruled by the Pope, who is the bishop of Rome ...

Vatican City may be the smallest sovereign state in the world, but it is also one of the greenest. It has long been an exemplar for tackling climate change through its approach to renewable energy. Thanks to a unique photovoltaic plant installed on the roof of the Vatican Audience Hall, the Papal State has been producing 300 MWh of solar energy ...

Providing energy for Vatican City State. The agrivoltaic plant will make use of the Holy See's property at Santa Maria di Galeria. Located on the edge of Rome, the 424-hectare site houses the transmission facilities for Vatican Radio, thanks to a 1951 agreement between the Holy See and the Italian State.

Pope Francis has initiated the construction of an agrivoltaic plant within the extraterritorial area of Santa Maria di Galeria to provide energy for Vatican City. In his Apostolic Letter titled "Fratello Sole" (Brother Sun), the ...

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The Vatican wants to become increasingly green, as per the precise indication of Pope Francis, determined to follow the indications of the encyclical "Laudato si'": photovoltaic systems will be installed at the entrances ...

The Vatican already has over 2,394 photovoltaic panels installed, some of which cover the roof of the Paul VI audience hall, and generate 300MWh annually. With this latest initiative, the Pope declared that the Vatican will have complete energy independence.

The idea was to offer land owners the possibility of renting their properties to instal photovoltaic panels, while still maintaining their main agricultural activity. The first benefits of this system are related to the conservation of nature and the protection of the ecosystem.

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Pope Francis has unveiled a plan to transition Vatican City to solar energy as its primary source of electricity in his latest motu proprio "Fratello Sole" or "Brother Sun." The Holy Father has directed the construction of an agrivoltaic system on Vatican-owned land in Santa Maria di Galeria, located just outside Rome.

Vatican City is located close to the right banks of the Tiber River, on a small hill that covers part of the Montes Vaticani (Vatican Hill) of the ancient days, upon which a few villas had been built in the days before Jesus' birth.. Roman Emperor Caligula (37-41 A.D.) had a private circus built there, in which, there is reason to believe, many of Rome's Christians were ...

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