



# Equatorial guinea tesla solar roof

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Deployment of Tesla's Solar Roof product, which integrates PV modules directly into roof tiles, nearly tripled year-on-year in 2021 and continued to grow sequentially in Q4, but no install stats were provided.

Although minimal time was dedicated to Tesla's solar business during a conference call following publication of the results, Andrew Baglino, the company's senior vice president of powertrain and energy engineering, said that having increasingly integrated its Powerwall home battery system with rooftop solar, the "next logical step" is heating, ventilation and air conditioning (HVAC).

CEO Elon Musk said: "I think it really becomes quite a compelling solution to the consumer where you integrate electric vehicles charging, solar, energy storage, hot water, HVAC in a very tight compact package that also looks good. It just doesn't exist."

In terms of energy storage, Tesla's installations were up 32% year-on-year in 2021, mainly driven by the deployment of the firm's Megapack battery energy storage system. It said that as demand for its energy storage products "remains substantially above capacity", growth has been limited by supply.

A notable supply deal was announced in September that will see Tesla provide 2GW / 6GWh of its Megapack systems to renewables company Arevon for use in nine standalone storage projects being developed in California.

A one million square feet 16.82-megawatt peak (MWp) capacity rooftop photovoltaic solar project has been commissioned at the Tema Free Zone Enclave by Helios Solar Company Limited, a subsidiary of HML Holdings.

The project, the first largest in Africa and second largest in the world was constructed within eight months with a US\$17 million fund from the International Finance Corporation, a member of the World Bank Group.

Mr. Adlai Opoku-Boamah, the Managing Director of LMI, said during the commissioning that the project marked a significant milestone in Ghana's journey towards independence and environmental stewardship.

Mr. Opoku-Boamah said the project was constructed with a workforce of almost entirely Ghanaian engineers and technicians, demonstrating the local capacity to produce such high-quality work.

He indicated that businesses within the Free Zones enclave would benefit from the power generated from the plant, which would boost their green credentials on the world stage and enhance the competitiveness of their products, particularly those that export worldwide.

He noted that it would also make a significant contribution towards attaining the Nationally Determined Contribution under the Paris Agreement and represented a meaningful stride in the fight against climate change, ensuring that a healthier planet is left for future generations.

The MD further announced that as part of its target to generate up to 1,000 MWp of renewable energy by the year 2030, it had already secured a 2,300-acre land bank in Dawa in the Ningo-Prampram District to be developed into a solar park.

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