



Solar energy in São Tomé and Príncipe

Solar energy, with its strong decentralized potential, is an energy potential for São Toméans in rural and peri-urban areas. Since the colonial era, STP has been supporting its renewable potential and intends to intensify its use, particularly hydro energy.

The government of São Tomé and Príncipe and Portugal-based Cleanwatts have signed a contract to develop 1.7 MW of solar in the West African island nation. The project will include three...

This platform is designed to provide information and updates about São Tomé and Príncipe's upcoming solar procurement initiatives. As the country transitions toward renewable energy, we aim to create transparent and competitive processes to attract qualified international investors, ensuring long-term energy sustainability.

Climate tech company Cleanwatts has signed a contract with the government of São Tomé and Príncipe for the production and sale of clean energy. Working with the country's public utility, the Power & Water Company (EMAE), ...

"São Tomé and Príncipe receive high levels of solar irradiation of 4.9 kWh/m²/day and a specific yield of 3.5 kWh/kWp/day indicating strong technical feasibility for solar in the country.5 "As of 2020, the Government of São Tomé and Príncipe is planning for the hybridization of one of the main thermal power

The capacity building workshop aimed to launch and present the newly developed SolarCity Simulator for São Tomé and Príncipe - Príncipe Island, Bela Vista, and Trindade. The SolarCity simulator, developed by IRENA, is an innovative web-based platform designed to support cities to assess the rooftop solar PV potential and support the country's ...

São Tomé and Príncipe's abundant sunshine, strong tidal winds, and high hydroelectric potential from its rivers and streams position the country as an ideal candidate for renewable energy generation.

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The RE sources considered in the NREAP include solar photovoltaic energy (utility-scale and microgeneration), construction and rehabilitation of mini-hydropower plants, and the installation of a biomass plant.



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São Tomé and Príncipe has been working in collaboration with UNIDO, the World Bank, UNDP and other organisations to implement renewable energy projects in the country. The most advanced renewable energy project currently is the Santo Amaro solar photovoltaic power plant with 2.2 MWp, which is expected to be operational in early 2022.

ALER (Lusophone Renewable Energy Association) is a non-profit association with the mission to promote renewable energies in Portuguese-speaking countries, mainly in Africa (Angola, Mozambique, Cape Verde, São Tomé and Príncipe, Guinea-Bissau and Equatorial Guinea).

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