

What is the Tunisian Solar Plan?

The Tunisian Solar Plan contains 40 projects aimed at promoting solar thermal and photovoltaic energies, wind energy, as well as energy efficiency measures. The plan also incorporates the ELMED project; a 400KV submarine cable interconnecting Tunisia and Italy.

Does Tunisia have a solar power plant?

First utility-scale photovoltaic plant (10 MW,in Tozeur) was commissioned in 2019on German money. Tunisia aims to generate 30% of its electricity from renewable sources by 2030. The country currently gets only 3% to 6% of its electricity from renewable sources,mostly from wind and hydro. Solar energy capacity is at 35 megawatts (MW).

Where is the first large scale solar power plant in Tunisia?

The first large scale solar power plant of a 10MW capacity,co-financed by KfW and NIF (Neighbourhood Investment Facility) and implemented by STEG,is in Tozeur. TuNur CSP project is Tunisia's most ambitious renewable energy project yet.

How much money is needed to implement the Tunisian Solar Program?

The total investment required to implement the Tunisian Solar Program plan have been estimated at \$2.5 billion,including \$175 million from the National Fund,\$530 million from the public sector,\$1,660 million from private sector funds,and \$24 million from international cooperation.

How much power does Tunisia have?

The installed electricity capacity at the end of 2015 was 5,695 MWwhich is expected to sharply increase to 7,500 MW by 2021 to meet the rising power demands of the industrial and domestic sectors. Needless to say,Tunisia is building additional conventional power plants and developing its solar and wind capacities to sustain economic development.

How many wind farms are there in Tunisia?

Since 2008,wind energy is leading the energy transition of Tunisia with a growth of the production up to 245 MW of power installed in 2016. Twomain wind farms have been developed until now: Sidi-Daoud and Bizerte. The first wind power project of Tunisia started in 2000,with the installation of the Sidi-Daoud's wind farm in the gulf of Tunis.

Tunisia's Energy Ministry has received 57 proposals in its fourth tender for solar photovoltaic (PV) capacity in which bids fell as low as TND 0.1149 (USD 0.0399/EUR 0.0337) per kWh, according to preliminary results.

Tunisia's climate presents a key solar energy opportunity and, together with an improved investment

framework and a highly skilled workforce, the country should be well positioned support its ambitious Plan Solaire Tunisien. However, to date, Tunisia has fallen short of its intermediate solar PV targets.

Tunisia has 1,800MW of solar energy potential which is until now yet to be harnessed. Tunisia has very good solar radiation potential which ranges from 1800 kWh/m²; per year in the North to 2600kWh/m²; per year in the South.

In Tunisia's pursuit of solar energy expansion, several challenges loom large. Despite government incentives, the formidable barrier of high initial capital costs for solar projects persists, necessitating the securing of investments and financing for large-scale endeavors.

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