

Containerized power generation application in Tunisia





Overview

Can Tunisia become energy independent?

Tunisia has the potential to become energy independent and to transform itself from an energy importer to an energy exporter. Renewable energy, often referred to as clean energy, comes from natural sources or processes that are constantly replenished such as sunlight and wind.

Will synthetic fuels enter Tunisia's energy system before 2040?

Because renewable synthetic fuels require a (gas) pipeline infrastructure, this technology is not widely used in Tunisia's energy plan because the costs in the early development stages are relatively high. It is assumed that synthetic fuels and hydrogen will not enter Tunisia's energy system before 2040.

How Teri support Tunisia's energy sector?

The multi-year support to Tunisia's energy sector, particularly to increase renewable energy generation, has been financed by both the TERI Anchor Trust Fund and the Compact with Africa Trust Fund – an associated Trust Fund to the TERI Umbrella program.

How can Tunisia increase its energy access rate?

Tunisia must build up and expand its power generation system to increase the energy access rate to 100%. Building new power plants – no matter the technology – will require new infrastructure (including power grids), spatial planning, a stable policy framework, and access to finance.

What is the energy sector in Tunisia?

Revised in November 2024, this map provides a detailed view of the energy sector in Tunisia. The locations of power generation facilities that are operating, under construction or planned are shown by type – including gas and liquid fuels, natural gas, hybrid, hydroelectricity, solar (PV and CSP), wind and biomass/biogas.



Can Tunisia build a reliable electricity supply?

We found that Tunisia can cost-effectively build a reliable electricity supply based on local power generation, with high proportions of solar and wind power. With an onshore wind potential greater than 30 times the projected 2050 demand and a solar potential greater than 100 times that demand, Tunisia has exceptional renewable energy potential.



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Through the TERI UMBRELLA, the World Bank has been providing technical assistance activities to support and accelerate Tunisia's energy transition, particularly to ...

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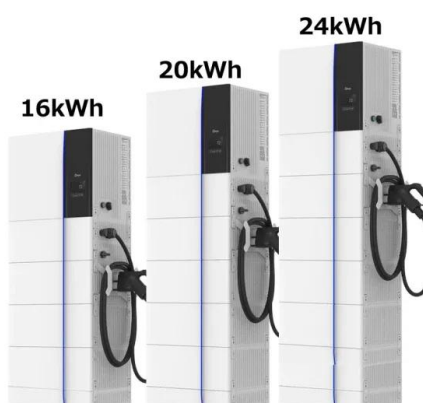


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The locations of power generation facilities that are operating, under construction or planned are shown by type - including gas and liquid fuels, natural gas, hybrid, ...

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