



BUHLE POWER

# Tunisia energy storage power station profit model





## Overview

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Rapid growth of intermittent renewable power generation makes the identification of investment opportunities in energy storage and the establishment of their profitability indispensable. Here we first present.

How much does electricity cost in Tunisia?

In Thala, Tunisia, the cost of purchasing electricity from the grid is measured in euros per kilowatt-hour (€/kWh). For households with a monthly consumption ranging from 300 to 500 kWh, the cost per unit of electricity is approximately 0.063 US\$. This price reflects the tariff structure set by the local utility or energy provider.

What is the energy landscape like in Tunisia?

The Tunisian energy landscape is marked by a contested evolution between the stagnation of natural resources and the sustained increase in demand. During the last two decades, the production of hydrocarbons has fluctuated between 6 and 7 million tons/year (Bettaieb 2018), while primary energy demand has grown at a rate of 3% per year on average.

Can biogas be used for organic waste treatment in Tunisia?

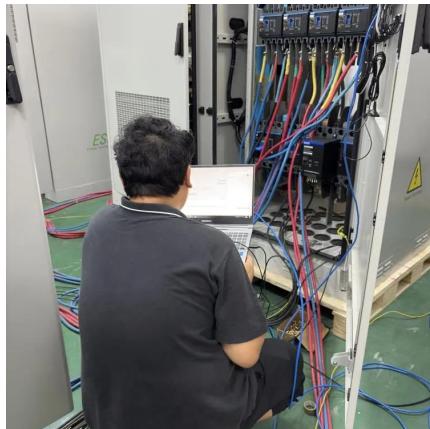
The Organic waste treatment using biogas technology is in line with the Tunisian government's energy transition strategy, with 100 MW of biogas power planned to be installed by 2030 (GIZ. 2018) under the Paris Agreement commitment.

What are business models for energy storage?

Business Models for Energy Storage Rows display market roles, columns reflect types of revenue streams, and boxes specify the business model around an application. Each of the three parameters is useful to systematically differentiate investment opportunities for energy storage in terms of applicable business models.



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### Conclusion of Tunisian BESS project

To support the ambitious plans for decarbonizing the Tunisian power system, GET.transform teamed up with GIZ's program, Support for an Accelerated Energy Transition in Tunisia ...



### Energy storage station profit model

In scenario 2, energy storage power station profitability through peak-to-valley price differential arbitrage. The energy storage plant in Scenario 3 is profitable by providing ancillary services ...



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