

The current status of independent energy storage in Tunisia

What is Tunisia's energy transition?

Tunisia's energy transition is based on the implementation of an energy management strategy with two components: the increase of energy efficiency and the development of renewable energy, such that the main targets are achieved, as defined in Figure 14.

Who manages the energy sector in Tunisia?

As of March 2020, the Tunisian electricity sector is managed by the Ministry of Energy, Mines and the Energy Transition. For the past two years, renewable energy portfolio was managed by the Ministry of Industry, Small and Medium Size Enterprises.

What is a renewables readiness assessment in Tunisia?

Renewables Readiness Assessment: Tunisia, prepared in collaboration with the National Agency for Energy Conservation (ANME) and the Ministry of Industry, Energy and Mines, identifies key challenges as the country pursues environmentally and economically sustainable power and heat.

Who regulates electricity in Tunisia?

MEMTE is responsible for electricity infrastructure, planning and the implementation of national policy in the field of electricity, energy efficiency and renewable energy, with regulatory oversight also carried out by the ministry. Yet, Tunisia has no independent regulator.

Does Tunisia have an energy deficit?

The energy sector is a key contributor to Tunisia's various economic sectors. In the past two decades, however, the country has witnessed a growing energy balance deficit, largely as a result of relying on fossil fuel sources - oil and natural gas - to meet its heightened energy demand.

How does the FTE work in Tunisia?

a transparent and competitive environment for renewable energy developers. settle conflicts among market actors relating to the interpretation or implementation of established legislation and procedures. The FTE is the main financing tool for renewable energy and energy efficiency activities in Tunisia.

Tunisia's energy transition strategy is based on four main pillars: energy security; increasing energy independence; reducing costs; and diversifying energy resources. With abundant renewables sources, renewable energy

Green hydrogen is a key element of the October 2022 new EU energy strategy. Produced from renewable energy sources, green hydrogen can be stored and transported. It is both green and convenient to use. Germany must urgently reduce the dependency on Russian Gas and green hydrogen complies with the long-term goals

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of decarbonization. Tunisia is ...

According to Souissi, studies have shown that energy storage technology, which has already been adopted by several European and other countries, will be mastered in Tunisia by 2030-2032. Tunisia is planning to embrace pumped storage, considered the most mature of the stationary energy storage technologies, but also the most expensive ...

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Three key drivers will dictate Tunisia's energy transition: energy security, given Tunisia's growing energy balance deficit; economics, given the relative decrease in the price of renewables; and environment, given the Country's commitment to reduce domestic greenhouse gas emissions. [2]

Africa is a continent in continuous transformation, with a sustained economic and population growth, a fast-paced urbanization and a young generation of talents who is leading its business revolution. This transformation requires energy and will require it even more in the next decades.

Figure 3: Energy Storage Installations Predictions (GW installed) 33 Figure 4: Global gross energy storage installations, 2015 - 2030 33 Figure 5: Electricity system flexibility by source in the NZE 34 Figure 6: Energy storage market share until 2030 34 Figure 7: Projections for demand for battery materials (million metric tons) 35

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and sustainable energy transition as well as ensuring the optimal use of energy sources and improving energy security. This

Tunisia has achieved a high electrification rate, increasing from 21 per cent at the creation of the Tunisian Company of Electricity and Gas (STEG) in 1962 (six years after independence) to ...

Therefore, as announced by the Ministry of Industry, Mines and Energy (2023) [1], the energy independence rate in Tunisia, at the end of March 2023 was 47%. Actually, the ...

Moreover, this paper discusses renewable energy (RE) policies and programs that aim to increase the country's renewable energy generation and its implementation status. The evolution of ...

The renewable energy law: a turning point in Tunisia's energy transition. a) The Tunisian Solar Plan: a renewal of the trend towards dependency as strategic. orientation In 2015, Tunisia launched the updated version of the Tunisian Solar Plan (its French. acronym is PST), an operational plan that sits within the country's energy transition ...

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