

## Kuwait benefits of energy storage

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Kuwait has set ambitious targets, aiming to derive 15% of its energy from renewable sources by 2030, reduce domestic energy consumption by 12% by 2035, and curtail CO<sub>2</sub> emissions by 33% by 2035. The Shagaya Renewable Energy Park, a colossal project boasting a 3.2 GW capacity, assumes a pivotal role in this energy transition.

The installation has been divided into three segments, a 50 MW solar thermal with 10 hours of energy storage, a 10 MW PV plant, and another 10 MW wind energy facility. The project will culminate in 2030 with a 2 giga-watt renewable energy plant that can support up to 100,000 homes.

Kuwait is a wealthy oil-rich country, but it is also facing a number of challenges, including climate change and energy security. Renewable energy can play a vital role in helping Kuwait to address these challenges and build a more sustainable future.

Renewable energy can help Kuwait to reduce its reliance on oil for electricity generation. This will free up more oil for export, which will generate additional revenue for the government. Kuwait can also use its oil strategic stock to balance the electricity grid and ensure a reliable supply of electricity when renewable energy sources are not available.

Renewable energy has the potential to play a vital role in Kuwait's future. By addressing the challenges mentioned above, Kuwait can accelerate the deployment of renewable energy and reap the many benefits that it offers.

By using a combination of renewable energy technologies and battery storage, Kuwait can create a more stable and reliable electricity grid. This will help to meet the country's growing electricity demand and support its economic growth.

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