

## SolarTech Power Solutions

# Albania Distributed Energy Storage Project



## Overview

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Ever wondered how a city keeps the lights on when the sun isn't shining?

Enter the Tirana Times Energy Storage Battery Project - Albania's answer to renewable energy reliability. This \$120 million initiative isn't just about storing electrons; it's about securing energy independence for a nation.

As Europe races toward its 2030 renewable energy targets, Albania's Tirana Energy Storage Power Station has emerged as a critical piece in the Balkan energy puzzle. With construction crews breaking ground last month, this 300MW/1200MWh facility isn't just another battery project - it's shaping up.

Energy Vault, EU Green Energy Sign Framework Agreement for Deployment of up to \$250 Million of Battery Energy Storage Systems, Totaling 1.8 GWh, to Accelerate Renewable Deployment Phase 1 development of the first project under the agreement, featuring a 50 MW / 200 MWh BESS located in the Balkans.

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Energy Vault's B-VAULT™ and Vault-OS™ platform WESTLAKE VILLAGE, Calif.-- (BUSINESS WIRE)-- Energy Vault Holdings, Inc. (NYSE: NRGV) ("Energy Vault" or.

Masdar and state-owned power utility KESH signed a joint venture term sheet agreement to explore the development of gigawatt-scale projects in Albania. The renewable electricity plants, potentially with storage, would supply power to the country and its neighbors. Abu Dhabi Future Energy Company. Could a gigawatt power plant be in Albania?

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What is Albania's energy sector strategy?

In 2018, Albania adopted its National Energy Sector Strategy, which examined various energy development scenarios and set forth a series of key indicators and objectives that will shape Albanian's energy sector over the period from 2018 to 2030 (Table 2). Most notably, the strategy stipulated a 42% share of renewable energy in the TPES by 2030.

What are the opportunities for solar energy deployment in Albania?

Opportunities for the deployment of solar energy are extensive. Albania's solar insolation is very high throughout most of its territory at more than 1 500 kWh/m<sup>2</sup> annually, with peaks of 1 753 kWh/m<sup>2</sup> annually, particularly in the western part of the country.

Will Albania benefit from a green energy mix?

"Although Albania already benefits from a predominantly green energy mix, this partnership will enhance our energy resilience, improve stability, and open avenues for clean energy exports to the region," KESH's Elezi stated.

Does Albania need emergency power imports?

Namely, the capacities are insufficient to cover Albania's consumption and increasingly frequent droughts are boosting the need for emergency power imports. So far only the photovoltaic segment has shown solid growth. Albania hosts the largest solar power plant in the Western Balkans - Karavasta.

Does Albania have a joint venture with the UAE?

So far only the photovoltaic segment has shown solid growth. Albania hosts the largest solar power plant in the Western Balkans – Karavasta. The new joint venture term sheet is a crucial component of the broader strategic partnership between the UAE and Albania, Masdar underscored.

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