

Do Middle Eastern power plants need energy storage





Overview

Battery storage is emerging as a critical enabler of the region's renewable energy transition, ensuring stability, reliability, and efficient integration of intermittent solar and wind resources into the grid. Is large-scale energy storage a viable option in the Middle East?

Until recently, large-scale energy storage was barely a consideration in the Middle East, where fossil fuels have long dominated power generation. With renewable energy projects expanding across the region, energy storage has started gaining traction.

Will solar power power the Middle East?

The Middle East is a growing region for power generation and will require additional capacity to meet its economic ambitions and the needs of its people. There is no doubt that renewable sources of energy, especially solar, will play a major part in its future power mix.

Is energy storage gaining traction in the Middle East?

With renewable energy projects expanding across the region, energy storage has started gaining traction. Unlike Europe, North America, and Asia, where renewable energy and storage technologies are well-established, the Middle East remains in the early stages of development.

How many new power plants will the Middle East need?

The Middle East will need to construct 277 GW of new power plants in this time frame, while also considering a replacement for ageing infrastructure. In addition to new-build plants, there is a great deal of potential for brownfield plants.



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