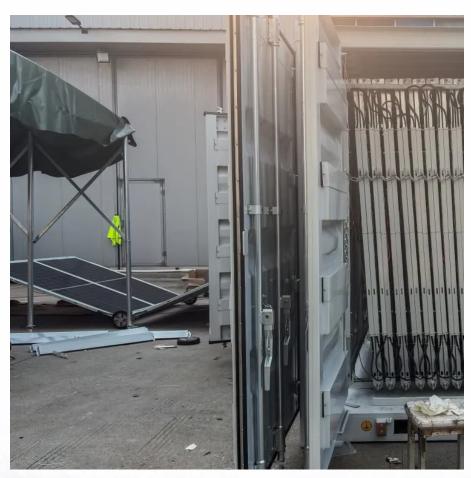


# New energy storage planning scheme in the Middle East







### **Overview**

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.

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.

What is energy storage system deployment in MENA?

Energy Storage System deployment in MENA Energy Storage Systems (ESS) play a critical role in the integration of VRE into the power grid, as these systems manage the intermittencies of renewable energy resources and mitigate potential power supply disruptions.

Should a MENA energy storage alliance be established?

A report by Arab Petroleum Investments Corporation recommends establishing a MENA Energy Storage Alliance, supported by public-private partnerships, and offering financial incentives like tax benefits and green financing to attract private sector investments.

Will energy storage expand in MENA?

The current utility business model limits the prospects of energy storage expansion opportunities, unless driven by direct governmental support. Auctions in MENA have been a major driver for renewable energy deployment, most notably for solar and wind, but only a few have included energy storage.



### Can energy storage be integrated in MENA?

Although the energy storage market in MENA is bound to grow, several barriers exist that hinder the integration of ESS and the ramping up of investments. Financial, regulatory, and market barriers need to be addressed via policy tools that lay the foundations for an evolved power market to integrate the deployed ESS.



### New energy storage planning scheme in the Middle East



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### **Role of Energy Storage**

The use of electricity from renewable energy plus battery energy storage systems can help in meeting the peak demand with clean energy instead of using fossil-fuel-based power plants.





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### LEVERAGING ENERGY STORAGE SYSTEMS IN MENA

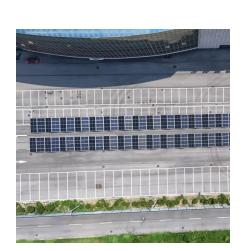
Adopt a comprehensive regulatory framework with specific energy storage targets in national energy policies by setting achievable targets and timelines to drive energy storage deployment.

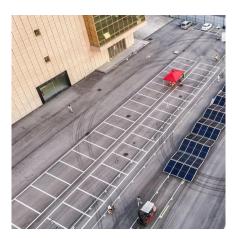
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# MENA could be energy storage leader as countries ...

The report also proposes defining energy storage as a standalone asset category in the power value chain and setting energy storage targets in







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# How Middle East Energy Transition Will Stimulate

Introduction The energy and electricity landscape in the Middle East (ME) is in a midst of transition as climate change, and energy security concerns took center hold in 2022. Extreme ...



### Rooftop Solar in the Middle East, Addleshaw Goddard LLP

Both schemes will also have a positive impact on the Middle East's localisation plans, by creating opportunities for manufacturing and installing solar cells for small and medium enterprises.

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# (PDF) Battery Storage: Is the Middle East ready yet?

PDF, On Nov 1, 2019, Adnan Merhaba and others published Battery Storage: Is the Middle East ready yet?, Find, read and cite all the research you need on ResearchGate

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