

# Energy storage companies sahwari arab democratic republic

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The two companies have started engineering studies for an "industrial scale" deployment of Rondo's Heat Battery technology to reduce emissions at Aramco facilities, with a "subsequent scale up to 1GWh", Rondo Energy said.

Rondo's Heat Battery is a refractory brick that can be heated to 1500°C, or 2732°F, and retains the heat to then be used either in heat form or for conversion back to electricity.

Aramco and Rondo also intend to assess potential deployments of the technology at the oil firm's facilities worldwide, including for use cases around hydrogen production and carbon capture, the announcement said.

Industrial emissions are a massive portion of global greenhouse gas (GHG) emissions, as much as 36% according to Rondo at the time of its fundraising. Much of the emissions come from huge demands for industrial heat.

"Aramco has stated its ambitions to achieve Net Zero Scope 1 and Scope 2 operational greenhouse gas emissions by 2050 across its wholly owned and operated assets, and sees opportunities to build substantial lower-carbon new energy business," said Ali Al-Meshari, Aramco senior VP of technology, oversight & coordination.

Aramco has also invested in other novel energy storage companies including long-duration energy storage (LDES) carbon-oxygen battery firm Noon Energy in January 2023 and Energy Vault, the company known for its gravity energy storage technology, in June 2021.

Energy-Storage.news" publisher Solar Media will host the 2nd Energy Storage Summit Asia, 9-10 July 2024 in Singapore. The event will help give clarity on this nascent, yet quickly growing market, bringing together a community of credible independent generators, policymakers, banks, funds, off-takers and technology providers. For more information, go to the website.

Huawei Digital Power has announced the signing of a key contract with SEPCOIII for its NEOM Red Sea project, which involves 400 MW of PV plus a 1300 MWh battery energy storage solution (BESS), currently the world's largest energy storage project. The two parties will cooperate to enable Saudi Arabia to build a global clean energy and green economy center.

The NEOM Red Sea project has been listed as a key element in Saudi Vision 2030. The developer is ACWA Power, with SEPCOIII fulfilling the role of EPC. Located on the Red Sea coast, NEOM is dubbed the city of



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the future, powered entirely by renewable energy. It will lead a new way of life and drive new economic growth, as oil resources are increasingly depleted.

With more than 10 years of experience in researching and developing energy storage systems, in addition to over 8 GWh of energy storage system applications, Huawei Digital Power is committed to integrating digital information and PV and energy storage technologies to build more efficient, stable and safe smart string systems using string, intelligent and modular designs, aiming to help PV become the main energy source for a green and bright future.

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