

How much money does 4th power get in Series A funding?

Utility-scale energy storage company Fourth Power has secured \$19 million in Series A funding, which will be used to scale up its short- and long-duration thermal energy storage technology, the company announced Tuesday.

Can fourth power solve the energy sector's problems?

Fourth Power is looking to solve a couple of problems facing the energy sector, CEO Arvin Ganesan told Utility Dive -- the significant amount of cost-effective energy storage that will be needed on the grid over the next 15 years, and the fact that all of those storage resources can't draw from the same supply chain of rare earth materials.

Why should you choose 4th power?

Fourth Power's heater operates at an extremely high temperature - almost half the temperature of the sun - which enables the system to have high power density. Our thermal battery technology was engineered with safety in mind from start to finish. The enclosed system is not pressurized - there is no risk of explosion.

Why do we need long-duration energy storage (LDEs)?

With the ability to provide short- and long-duration energy storage (LDES), we can start small and grow with the grid to save consumers money and ensure a clean energy future.

Fourth Power's new technology could be 10 times cheaper and can store power for as long as a month. It's the winner in the energy category for Fast Company's 2024 World Changing Ideas...

Thermal energy storage is a key enabling technology for decarbonizing both industrial energy use and electric utilities, Blaine Collison, executive director of the Renewable Thermal Collaborative, said in an email.

Fourth Power, whose Series A round led by DCVC was announced today, can store energy at 1 / 10 th the cost of lithium-ion batteries and distribute power directly into a truly renewable, resilient, and affordable ...

Fourth Power is among the highest energy density options, enabling us to store electricity at the lowest cost -- less than \$25/kWh-e -- ten times cheaper than lithium-ion batteries. When paired with renewable energy, Fourth Power can serve power that is the same cost or cheaper than the combustion of natural gas.

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A design team of engineers from New Zealand were on the island last week as part of a \$5 million dollar energy project funded by the New Zealand government. Director of Utilities Clinton Chapman said that there is much work to be done in the energy and power generation sector as they work towards meeting the targeted outputs in the current ...

Fourth Power's system converts renewable energy to heat, or thermal energy, which can be stored until needed. The thermal battery heats liquid tin and moves it through a piping system to heat stacks of carbon blocks until they glow white hot. The system then exposes thermophotovoltaic (TPV) cells to the light and converts it into electricity ...

In addition to Australia's support, the New Zealand Government contributed \$2.5 million to relocate and restore Niue's Battery Energy Storage System (BESS). This funding has allowed the Ministry to repair the grid control system, procure necessary fuel tanks, and install cabling and connections.

Web: <https://www.gennergyps.co.za>