

ELEMENT ENERGY STORAGE



What is element energy & how does it work? Dr. Tony Stratakos, CEO and Co-Founder, Element Energy, said, ???Our technology unlocks significant improvements in battery safety, energy throughput and system life, enhancing the value proposition of batteries across many systems including first and second-life grid assets, electric vehicles and more.



Who is element energy? Element Energy is an advanced battery management technology company founded in 2019 and headquartered in Menlo Park, California. We utilize proprietary hardware and software algorithms to improve the safety, intelligence, and economics of large-format battery systems.



What is element energy doing with used EV batteries? Element Energy chose to make its first push to market with used EV batteries. The company set up two small-scale pilot projects, and next year it will supply a 50 -megawatt-hour second-life battery project.



What makes element a better battery pack? This advantage grows with time as the cells in conventional BMS packs age differentially. Element has re-architected the battery pack from the ground up with new hardware, software and controls that fundamentally improves the way batteries are managed ??? our system is distributed, adaptive and intelligent.



How many EV batteries does element have? Recently, Element secured over 2.5 GWh of EV batteries, and the U.S. Department of Energy announced a \$7.9 million award to Element for a planned 50 MWh battery project to be deployed alongside a wind generating facility in Texas.

ELEMENT ENERGY STORAGE



Can EV batteries be used in a grid storage plant? To prove the point, Elementis is deploying its technology in what will be the biggest grid storage plant made up of used EV batteries. Over the last decade, batteries have plunged in cost and surged in potency, but the control systems that govern all the battery cells that make up a battery pack haven't changed much.



About Element Energy. Element Energy provides integrated solutions to help clients deploy low-carbon technologies and supporting systems on a large scale. The company drives the development, commercialization of



Element Energy, a California-based company, has launched the world's largest energy storage facility using repurposed electric vehicle (EV) batteries. The 53 MWh installation, operational since May 2024, now connects to the grid.



California-based Element Energy has raised US\$111 million in equity and debt financing for its proprietary battery management system (BMS) for first and second life battery storage. The financing round is comprised of a Series B round.



Second life EV batteries stored at Element Energy's Kentucky warehouse. The firm has secured 2.5GWh of modules. Image: Element Energy. California-based firm Element Energy has raised a US\$28 million Series B round to expand its operations.

ELEMENT ENERGY STORAGE



The 53 MWh storage project, made up of Element Energy's retooled electric vehicle batteries, has been operating. [Read More >>](#) [Prev](#)
Previous U.S. Department of Energy Announces \$7.9 Million in Funding to ???



Energy-Storage.news" publisher Solar Media will host the 5th Energy Storage Summit USA, 28-29 March 2023 in Austin, Texas. Featuring a packed programme of panels, presentations and fireside chats from industry ???



In what appears to be the world's largest project of the kind, Element Energy's 53 MWh storage project ??? consisting of repurposed EV batteries ??? is now operating in West Central Texas. The startup is now looking ???



Startup Element Energy set out to prove that second-life batteries could deliver cheaper energy storage safely and at scale. Startup Element Energy installed 53 megawatt-hours of used electric vehicle batteries in West Texas ???



Element Energy has announced the energization of its 53-MWh storage project, consisting of repurposed EV batteries, in West Central Texas. The developer enabled the reuse of 900 EV batteries to make up the grid ???



By applying its advanced hardware and software honed in the semiconductor industry, Element Energy enabled the reuse of 900 EV batteries to make up the 53 MWh, grid-connected energy storage system. Element ???

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MENLO PARK, CA ??? November 14, 2023 ??? Element Energy ("Element"), a Menlo Park-based Battery Management Technology company, today announced the close of \$111 million in capital comprised of a \$73 million Series B equity ???



To prove the point, Element is deploying its technology in what will be the biggest grid storage plant made up of used EV batteries. Over the last decade, batteries have plunged in cost and surged in potency, but the control ???



Element also claims to have procured 2.5GWh of second life EV batteries, which is in the order of 10 times higher than its peers. CEO Anthony Stratakos wouldn't give more detail on this when asked in a recent interview, ???



No additional details were given in Elements Green's announcement on business networking site LinkedIn, but a local planning document obtained by Energy-Storage.news clarified what the decision ???



Element Energy's BMS architecture is distributed and adaptive with power conversion dedicated to each individual module, enabling real-time (cloud-based) monitoring, diagnostics & control at the same or lower cost as conventional ???



Following deployment of its multi-gigawatt secured pipeline beginning in 2023, Element will continue to work with strategics including automotive OEMs and gigafactories on additional second-life asset ???