

chevron technology ventures

future energy fund

investing in innovation with potential to play
a critical role in the future energy system

industrial decarbonization



integrate emerging low-carbon technologies such as carbon capture, utilization and storage (CCUS) and hydrogen into hard-to-abate sectors

emerging mobility



lower the carbon intensity of transporting people and goods, applying innovation to emerging platforms, infrastructure, energy storage and future fuels

energy decentralization



support development of localized and modular solutions for both power generation and consumption

circular carbon economy



advance the transition toward more resilient and sustainable energy systems, with a focus on carbon-to-product and waste-to-product innovation

Since 1999, Chevron Technology Ventures has been investing in startups across a wide cross section of energy innovation and has a track record of collaboration to bring innovation to scale. Our future energy funds, the most recent of which launched in 2024, have committed nearly \$1 billion in funds available to invest in companies advancing low-carbon technologies.

future energy fund investments*



Aether Fuels has developed a technology platform to enable production of lower-carbon liquid fuels from renewable feedstock for applications like aviation and shipping.



With its patented APBS technology, Carbon Clean Solutions Limited is focused on low-cost carbon dioxide (CO2) separation technology for industrial and gas treating applications.



Ardent has developed proprietary and novel modular membrane systems for gas separations, supporting decarbonization of hard-to-abate sectors.



DG Matrix has developed advanced power electronics solutions supporting distributed generation, electric mobility and data centers..



Aurora Hydrogen is developing and commercializing a hydrogen production technology that uses methane as a feedstock and leverages potentially more efficient microwave-energy based pyrolysis for conversion. The byproduct from this process is solid carbon, which is easier to capture and sequester than CO2, which is often produced in more conventional technologies.



ElectraLith develops proprietary, lithium-selective electrodialysis membranes for direct lithium extraction (DLE) with integrated, electrolytic refining (DLE-R) to enable the electrified production and conversion of unrefined lithium to battery grade lithium hydroxide in support of emerging mobility and decentralized energy applications.



Blue Planet Systems Corporation is a startup company in San Jose, California, that is developing technology, products and services related to carbon capture and mineralization, whereby carbon dioxide (CO2) is expected to be permanently sequestered in building materials for beneficial reuse, specifically as aggregate for concrete.



Electric Era has developed a software platform for battery backed fast charging for EVs designed for grid limited convenience stores and gas stations.



Boomitra is a Mountain View, California-based startup developing an agtech platform technology designed to efficiently and cost-effectively grow the supply of high-quality soil carbon credits to meet an increasing demand.



Enmacc GmbH is a German-based company that powers a platform that has the potential to improve efficiencies for trading gas, power and lower carbon commodities. The platform increases transparency while also providing new and smaller energy traders access to wholesale markets.

future energy fund investments*



GR3N is a Swiss-based startup. The company is developing plastics recycling technology to enable chemical recycling of PET-based plastics widely used in food and beverage packaging as well as polyester-based textiles. GR3N has the potential to both help lower the carbon footprint of plastics manufacturing while also supporting a broader global circular economy related to plastics.



Li Industries is a developer of battery recycling solutions that aim to enhance end-of-life opportunities for Lithium-ion batteries.



Hydrogenious LOHC Technologies GmbH is a Germany-based developer of liquid organic hydrogen carriers (LOHCs) technology. Hydrogenious' technology has the potential to unlock the economic value of hydrogen through lower transportation, storage and distribution costs.



Linova Energy is a California based company that is developing a polymer-based cathode and supporting technologies for a safer, lighter, higher energy density and lower-cost solution for the battery market that can be used in UAV, energy storage, and EV applications.



Immaterial develops proprietary, bespoke monolith-structured metal-organic framework (MOF) adsorbents tailored for CO2 capture and hydrogen storage, supporting decarbonization of hard-to-abate sectors.



Mainspring is a Menlo Park, California-based startup that delivers distributed power solutions with its fuel-flexible high-efficiency linear generator. Mainspring helps customers meet capacity, resilience, and cost needs today while providing the infrastructure to move to increasingly cleaner fuels as they become available.



Infinitum Electric is a Texas-based company re-engineering aspects of traditional motor technology, providing products with the potential to decrease carbon emissions and improve performance, reliability and cost. Infinitum's customers are producers of HVAC, industrial, mobility and consumer goods products.



Make My Day is an Israel-based startup that has developed a technology platform designed to optimize electrical vehicle (EV) routing and charging for fleets and drivers. The app uses proprietary analytics based on a driver's routines to help simplify and manage routing and charging for cost and carbon savings. Make My Day's innovation has the potential to provide a more seamless operating experience for EV drivers and fleet owners.



Ionmr Innovations is a Vancouver, Canada-based startup developing and commercializing ion-exchange membranes and polymers for lower carbon solutions including hydrogen production, fuel cells and a range of other electrochemical applications.



Malta Inc. is a Cambridge, Massachusetts-based startup that is developing molten storage systems to achieve 10–24 hours of storage for grid-scale applications. Our investment in Malta supports innovation in the future of energy storage. Its technology has the potential to efficiently and cost-effectively create a scalable long-term energy storage system that can support renewables as they potentially become a greater portion of the future energy mix.

future energy fund investments*



Ocergy is an Oakland, California-based technology developer of floating offshore wind platforms and environmental monitoring solutions. Ocergy technology's stability, low steel weight and ease of dockside assembly allows for flexible deployment and maintenance in more challenging sea and weather conditions.



Syzygy is a Houston-based developer of a photocatalytic reactor designed to electrify chemical manufacturing and decarbonize many hard-to-abate industries. The company's reactor is powered by light instead of heat and operates at a lower temperature than conventional chemical reactor technology.



Radiant Industries Inc. is developing a portable 1MW microreactor. The reactor will be helium cooled and uses TRISO as fuel. Radiant aims to make the reactor small enough to be transported by land or air, land or sea to remote, off-grid locations.



TAE Technologies is a California-based fusion power company that has developed a scalable process that has the potential to make fusion cleaner, safer and more abundant than other approaches. Additionally, the company has developed its Power Management line from its work in fusion that enables versatile, more efficient, faster charging energy storage systems.



Australia-based startup RayGen is developing low-cost, high-efficiency proprietary PV Ultra (solar cogeneration) and Thermal Hydro (electrothermal storage) technologies. RayGen's technology has the potential to impact long-duration energy storage and grid stability.



Vutility is a Sandy, Utah-based startup providing accurate real-time energy profiling data, enabling energy insights at scale. Vutility delivers scalable, edge-intelligent energy fitness trackers for commercial and industrial built environments with the potential to enable businesses to optimize their energy consumption and improve operational efficiencies.



ReSource Chemical has developed innovative technology to produce plastics from sources like CO₂ and non-edible biomass.



Zap Energy is a Seattle-based startup developing a next-generation modular and scalable fusion energy platform system with an innovative approach to confining and compressing plasma in a relatively simplified and cost-effective manner. Zap's sheared-flow-stabilized Z-pinch technology promises lower capital than conventional approaches to provide a shorter and practical path to commercially viable fusion economics.



Sapphire Technologies is a California-based developer of a waste energy recovery system for natural gas and, ultimately, hydrogen industrial applications. Sapphire's FreeSpin® technology is designed to harness the power of gas expansion and convert wasted energy into usable electricity, potentially reducing carbon emissions in industry operations while increasing operational efficiency.



Zitara is a company based in San Francisco, CA, that has developed software to optimize battery health, enabling enhanced efficiency, safety and reliability in battery systems.

*This list features a select few companies and does not encompass all investments.