



Averra
Boston, MA
Agriculture

Averra is revolutionizing soil health with microbial biosensors for real-time, sustainable, and data-driven agriculture.



Biomific
New York, NY
Waste

We're building the platform where industry and nature work symbiotically for the planet. Biomific aims to transform pollution prevention and cleanup with modular and scalable bioremediation systems that harness fungi and other natural allies to break down toxic pollutants in soil and water, considerably reducing harmful secondary waste. We're creating the tools to equip businesses to drive a regenerative approach to waste, meet environmental goals, and be a force to strengthen their communities.



Biospheric AI

Biospheric AI
Belmont, MA
Energy Distribution & Storage

We model every building in the U.S. at hourly resolution to forecast growing electricity demand from heating electrification, EVs, and data center growth. Our probabilistic ML models outperform status quo tools by up to 40%, giving utilities the granular, data-driven insights they need to plan investments, justify tariffs, and accelerate decarbonization. Utilities are under pressure to do more with less — we give them academically rigorous evidence to act decisively and win regulator support. <https://www.biospheric.ai/>

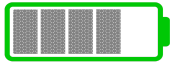


Bluesonde Technologies

Portland, ME
Water

Bluesonde develops innovative water monitoring technologies that are built for climate impact. Our small form-factor, easy to operate hardware offers the lowest total cost of ownership and enables smaller teams to operate larger sensing arrays without the need for large vessel support. We provide scalable, real-time monitoring solutions that provide seamless data integration through our web-based dashboard.

<https://www.bluesonde.com/>



CarbonDots

CarbonDots

Lawrenceville, NJ
Energy Distribution & Storage

At CarbonDots, our mission is to transform waste into the building blocks of the future. The demand for lithium-ion batteries is growing at an unprecedented rate, driven by EV adoption. CarbonDots will refine and scale a novel low-temperature process to convert waste polypropylene into graphite for battery anodes. Our innovative graphite production process is designed to be lower cost, more energy efficient, and environmentally sustainable—all while ensuring a fully domestic supply chain. <https://www.carbondots.co/>



Cero Global Holdings, Inc.

Boston, MA
Transportation

Cero developed groundbreaking emissions reduction technology using electronic devices that reduce CO2 and improve fuel economy. Our Gen-1 solution reduces smoke emissions by over 60% and CO2 by over 4%, improving the fuel economy by over 60%. We are developing next-generation solutions aiming for >80% reduction in smoke emissions, >20% improvement in fuel economy, and >50% CO2 reduction. The economic impact of our technology will exceed \$120B/year for the USA and >\$20B/year for MA.



CleanQuity

Jersey City, NJ
Energy Generation

CleanQuity is an online fractional investment platform that helps corporate and industrial organizations minimize their cost of shifting to green energy by enabling them to create employee and retail investor driven solar energy programs in the form of sustainability investment plans. <https://www.cleanquity.com/>



Compocity

Budapest, Hungary
Waste

At Compocity, we turn this invisible problem into a visible, trackable sustainability achievement. We created a gamified, plug-and-play composting solution—that transforms food scraps into soil regeneration for the city with playfully presented impact data, and employee engagement. It's clean, fast, and fully managed by us as a PaaS. Clients like Bayer, CBRE, Mastercard, and Crowne Plaza are already using Compocity to meet ESG goals, reduce emissions, and strengthen team culture. <https://www.compocity.help/en>



**ContainerGrid
GmbH**

Munich, Germany
Waste

ContainerGrid enables industries to scale reverse logistics, reclaim end-of-life products, and reintegrate resources into production.

<https://www.containergrid.de/>



Curve Control

Brooklyn, NY
Energy Distribution & Storage

Curve Control is optimizing electric load control for buildings, enabling more renewable generation by shifting distributed loads to match intermittent renewables. By controlling electric load timing—such as for heating, air conditioning, water heating, home batteries, EVs, and refrigeration—we can preferentially match the highest wind and solar generation. This will enhance grid flexibility and resilience while lowering electric prices for consumers and allowing more renewable generation. <https://www.curvecontrol.io/>



Novagrid

Sicklerville, NJ
Energy Efficiency

Novagrid is the workflow platform that will unlock America's energy infrastructure and climate goals by empowering contractors to scale home energy upgrades. We're turning complex, paperwork-heavy processes into streamlined digital workflows, helping contractors complete more energy-efficient home retrofits while significantly reducing customer acquisition costs and dropout rates.

www.novagrid.org

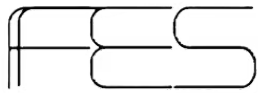
EvoNatura

EvoNatura

Pawtucket, RI
Chemicals & Advanced
Materials

Plastic pollution is a global crisis, with 460 million tons produced annually and only 9% ever recycled. While bioplastics are a promising alternative, most require specific industrial composting facilities to biodegrade, which limits their effectiveness. EvoNatura's proprietary microbe-based additive enables bioplastics to break down naturally in real-world conditions, eliminating waste at its source. This next-generation technology gives manufacturers a competitive advantage, providing a sustainable solution for a cleaner planet.

<https://evonatura.com/>



Foregger Energy Solutions

Wellesley, MA
Energy Generation

Foregger Energy Solutions (FES) is a green energy product development company designing retrofit technology for cold storage trucking units that reduces fuel costs, provides a backup engine, cuts emissions, and helps operators comply with green regulations without requiring them to replace their entire fleet. TRUE (Transport Refrigeration Unit Electrified) uses regenerative braking to power the unit by hybridizing the refrigeration system reducing diesel consumption in the trailer by up to 100%. <https://www.foreggerenergy.com/>



Gamotech

Blainville, Canada
Energy Distribution & Storage

Gamotech provides solutions to electrify mobile works, improving working conditions of operators in construction without polluting. <https://gamotech.ca/>



H2 Everywhere

Boston, MA
Energy Generation

H2 Everywhere makes modular, low-cost hydrogen production units that generate clean hydrogen on-site using a proprietary low-temperature, low-pressure thermocatalytic process. Our system uses significantly less electricity than electrolysis and enables distributed, infrastructure-free hydrogen access, cutting up to 60% of delivered hydrogen costs and unlocking decarbonization in hard-to-electrify sectors like shipping, aviation, and heavy industry. <https://h2everywhere.co/>



HomeWise, Inc.

Marlton, NJ
Energy Efficiency

HomeWise AI streamlines the complex home energy retrofit process with workflow software that helps contractors scale efficiently. We solve the operational bottlenecks that cause high client dropout rates and administrative burden. Our platform connects homeowners, contractors, and utility programs in one system. By making energy upgrades simpler to implement, we're accelerating America's home energy transformation goals. <https://www.homewiseai.org/>



HYDGEN - Hydrogen Innovation Pte Ltd

Singapore, Singapore
Energy Generation

HYDGEN's AEM electrolyzers make green hydrogen cost-competitive with grey, enabling industries to decarbonize with on-site production. <https://www.hyd-gen.com/>



HYG-Motors USA

Yarmouth, ME
Transportation

The marine sector's transition to electric propulsion to reduce air, water, and noise pollution faces huge challenges: range, cost, infrastructure, and energy storage. HYG-Motors' hybrid optimized thrust capacity electric outboard engines, combined with high yield hydro generators "all-in-one" solution moves vessels up to 30 tons, Leaving no trace. Making no noise. First market: eco-conscious sailing boaters. Tests with drones, for the defense & geological prospection sectors are in progress. <https://hyg-motors.com/techno-rim/>



LIFE3 LLC

Queens, NY
Information & Communication
Technologies

LIFE3 is enhancing their system, trusted by Clean Energy Academy, a NYSERDA and Department of Energy funded program, to democratize technology for clean energy workforce programs. The SaaS will help training providers & intermediaries streamline outreach, enrollment, course tracking, and job placement. We replace spreadsheets and emails with one centralized hub that reduces admin burden and enables accurate reporting on outcomes and priority populations for workforce development funders. <https://www.life3.io/>



Lumiaq

Piscataway, NJ
Green Building

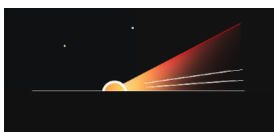
Changing air filters too early wastes money, while waiting too long risks health. LumiaQube's accurate timing can do both: save money and improve indoor air quality. The recommended lifespan of an HVAC air filter has long been guesswork. Due to technical challenges in accurately measuring the dust load on a filter in-situ, our patented technology measures light attenuation to determine when an air filter is actually loaded to the end of its lifespan. <https://lumiaq.com/>



Lute & Ether

Arlington, MA
Transportation

Adoption of hydrogen fuels for transportation requires technology integration -- that's what Lute & Ether is here to do. <https://lutether.com/>



Materium Technologies

Summit, NJ
Chemicals & Advanced
Materials

Leveraging specialized machine learning tools, Materium Technologies is developing advanced, recyclable nanocomposites using a patented technique that overcomes longstanding challenges in scaling high-performance coatings and films. In the laboratory, these nanocomposite materials exhibit exceptional barrier, dielectric, and optical properties, unlocking opportunities in next-generation clean energy systems and advanced photonics. <https://www.materiumtech.com/>



PFASolve Inc.

Jersey City, NJ
Chemicals & Advanced
Materials

At PFASolve Inc., we deliver rapid, low-cost PFAS detection, capture, and destruction solutions. PFAS are toxic, bioaccumulative, and linked to cancer, endocrine disruption, and immune dysfunction. Our patented tech analyzes samples in under 3 minutes compared to 3 weeks with current methods serving regulators, labs, and industries. Backed by NSF I-Corps, global partners, and a science-driven team, we're tackling the "forever chemicals" crisis with scalable innovation and real-world impact.



Pipeline Pilot

Lexington, MA
Green Building

Pipeline Pilot is making ground source "geothermal" heat pumps affordable.

<https://sites.google.com/view/pipepilot50/pipeline-pilot-technology>



PolyGone Systems

Princeton, NJ
Water

PolyGone Systems is a cleantech company tackling aquatic microplastic pollution. We've developed an affordable, portable, and eco-friendly filtration system that captures microplastics under 1mm in rivers, lakes, and wastewater. With 1 industrial pilot and 3 monitoring pilots, PolyGone targets key emission points to intercept microplastics and protect our waterways.

<https://www.polygonesystems.com/>



R7 Instruments

Somerville, MA
Energy Efficiency

R7 Instruments is enabling wide scale cryogenics for quantum and superconducting technologies with novel acoustic refrigeration



Restora Homes

Providence, RI
Green Building

High bills? Power outages? Frustrating installs? Restora Homes makes home electrification easy, affordable, reliable, and future-proof.

<https://restorahomes.com/>



SBD Technologies
Freeport, ME
Information & Communication
Technologies

SBD Technologies is a CleanTech, SaaS company harnessing the transformative power of AI to accelerate the global transition to sustainable energy. SBD Technologies will create a comprehensive EV fleet charging and eMobility platform. We'll introduce our Virtual Power Plant (VPP) solution, which integrates fleet vehicles, solar energy, and smart home technologies, driving value for fleet operators and solving critical grid challenges. We're shaping the future of the Internet of Energy (IoE). <https://www.sbdtechs.com/>



Scaled Carbon, PBC
Portland, ME
Energy Distribution & Storage

Scaled Carbon's breakthrough MRV tech allows us to sell high-quality carbon credits for ocean-based carbon removal using enhanced weathering, a scalable method that turns CO₂ into stable ocean bicarbonates.

<https://scaledcarbon.com/>



SMPnet
London, England
Energy Distribution & Storage

Power grids struggle with renewable integration, congestion, and real-time stability. SMPnet's Omega suite provides real-time monitoring, adaptive optimisation, and dynamic control, enabling millisecond-level response to grid fluctuations. By enhancing grid flexibility, preventing overloads, and reducing curtailment, we help utilities unlock capacity, lower costs, and accelerate the clean energy transition—without expensive infrastructure upgrades. <https://www.smpnet.tech/>



SPCTA Industrial
Wilmington, DE
Waste

SPCTA is building the global supply chain infrastructure for recyclable materials, making it easier for brands and producers to access high-quality recycled feedstock—plastics, metals, paper, batteries, and more—at the right time and scale. By empowering underserved communities and deploying innovative collection, processing, and trading solutions, we accelerate a circular economy. Partner with us to drive sustainability, unlock new value, and create a healthier world for future generations. <https://www.spcta.green/>



Spear the Air Inc.
Allston, MA
Energy Distribution & Storage

Spear the Air Inc., STAI, aims to enter the carbon management industry in urban communities. Carbon management includes carbon capture, carbon storage, and carbon conversion. Direct air capture, DAC, is a growing technology that removes carbon dioxide from the atmosphere. DAC is in the prototype phase and DAC is being applied at a large-scale. STAI sees the opportunity to provide a DAC, portable module that captures carbon emissions directly from at-risk air quality sources.



**Structural
BioComposites**

Schenectady, NY
Green Building

Industrial Hemp Lumber (IHL) is a Tree-Free alternative to traditional forest service products. IHL is a uniform, straight, building material without the natural defects associated with wood. IHL is self-extinguishing, rot resistant, and insect resistant engineered structural member. IHL will save construction time, reduce waste, and produce a high-performance home. IHL will seamlessly integrate with standard construction materials and can be manipulated with traditional wood tools.

<http://www.structuralbiocomposites.com/>



Tensor Planet

Freehold, NJ
Transportation

I'm Ganes Kesari, founder & CEO of Tensor Planet. After exiting my first 250-member AI firm, I launched Tensor Planet to deliver "uptime as a service" for heavy-duty trucks in waste, construction, and agriculture. Using AI to analyze telematics, audio, and vibration data, we predict downtimes, saving \$15K+ per truck annually. With 4 pilot requests, we're poised to lead the \$21B heavy truck maintenance market.

<https://tensorplanet.com/>



**Teragen Energy
Corporation**

Sutton, MA
Energy Distribution & Storage

Decoupled power and energy with 100's+ hour energy storage—high efficiency, zero emissions, no Li, no fossil fuels

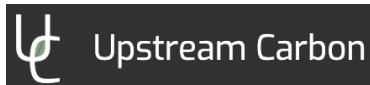
<https://www.teragenenergy.com/>



TiltingSolar

Princeton, NJ
Energy Generation

Tilting Solar enables solar project developers to build large scale solar arrays that are more compatible with continued farming on the same land, providing optimized "dual-use" configurations for most major field crop types. Tilting Solar will be your partner during design, installation, and operation for major agrivoltaics arrays of the future. Our patent pending technology will provide an edge over all other array types.



**Upstream Carbon,
Inc**

Boston, MA
Agriculture

Our risk-adjusted carbon credits protect forests based on what we're likely to lose. We use machine learning and land use data to predict development on land across North America and issue credits accordingly for forest conservation projects. Landowners win, communities benefit, ecosystems survive, and corporates get credits with integrity. It's carbon finance with teeth — dynamic, site-specific, and built to beat the market. <https://www.upstreamcarbon.com/>



Vaanelai Inc.

Somerset, NJ
Energy Efficiency

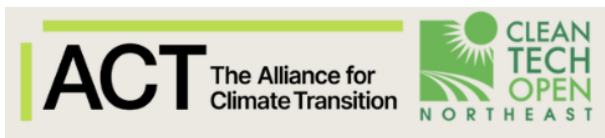
Vaanelai leverages AI-powered insights to slash energy costs, maximizing performance, enhance predictive maintenance, thereby reducing carbon footprint in HVAC&R systems — driving a cooler planet and a hotter bottom line! Aside from reduction in power consumption, cost savings and profits can also come from lesser down time that result in lack of production. Reducing GHG emissions and benefiting the environment can earn our customers carbon credits.



Wavon Ceramics

Pittsburgh, PA
Energy Efficiency

At Wavon, we are changing the way solid ceramics are made from powder particles. Using our microwave technology, we densify solid ceramics 50x faster, 6x cheaper, with 6x less emissions than traditional processes. Over the next 15 years, we expect to save \$8 trillion in energy and 40 billion tons of carbon—without increasing furnace replacement costs. From EV batteries and aerospace, to launch pads for safe moon landing and beyond, ceramics will never be the same—Wavon is here, and #TheWavelsOn.



2025 Cleantech Open Northeast / ACT