

NYSERDA supported six business incubators as of March 31, 2017 that are strategically located in the heart of cleantech clusters in New York State for easy access to market, talent, and commercialization support. Since 2009, 163 clients and graduates of these six incubators have raised more than \$313 million in private capital while creating more than 1,075 jobs.

Incubators provide clients and graduates with connections to investors and development partners as well as access to networks of mentors and service providers who understand the startup and early-stage company experience. Clients benefit from networking events, workshops, and skills enhancement boot camps, and share experiences, challenges, solutions, and contacts with fellow entrepreneurs. Most incubators offer low-cost physical office and work space as well as virtual incubator services.

Current Clients and Graduates as of March 31, 2017

New York City Incubator: ACRE at NYU Tandon School of Engineering

- **15 current clients and 23 graduates**
- **Tenant companies have raised a total of almost \$112 million in private capital, secured more than \$207 million in project finance capital, and created 345 jobs**

Current Clients

Bandwagon – Encourages passenger taxi-sharing where there are long taxi lines at airports, conferences, and other crowded venues, providing a more affordable mobility alternative.

Ecogy Solar – Develops projects and deploys private capital to help businesses, municipalities, non-profits, and utilities reduce their energy costs.

EV-Box – Builds an electric vehicle charging solution that is compatible with every electric car on the market.

Fentrend – Provides an analytics platform for architects, developers, and general contractors that helps them find and compare energy efficient building materials, including windows and doors, easily and cost-effectively.

Go Electric – Develops and markets customer-side of the meter energy solutions and services that serve facilities and utilities.

Highview Power Storage – Designs and develops large-scale energy storage solutions for utility and distributed power systems.

Lighticians – Develops and offers wireless networks and lighting controls for film and theatrical lighting, enabling the greater adoption of energy-saving LED lights and improving the workflow on a film set or stage.

Maalka – provides an open, scalable platform for managing people, analytics, and communications across data-driven sustainability programs.

MeteoViva – Provides smart, predictive capabilities to existing static building management systems to reduce energy use by an average of 25 percent.

Opus One Solutions – Connects the energy internet using next-generation grid intelligence software, increasing the potential of distributed energy resources.

ProjectEconomics – Works with utilities and energy retailers to identify compelling cases for distributed generation and on-bill financing.

Sealed – Promotes energy efficiency in homes by performing energy improvements and then guaranteeing savings through an innovative billing system.

Smart Data Science – Develops a risk management smart data platform that empowers organizations to be more resilient and competitive by pro-actively understanding, predicting, and mitigating risks.

Tagup – Saves money and reduces downtime on any industrial machine while also identifying system failures before they occur by monitoring equipment in real-time from anywhere.

Voltaiq – Helps companies developing and operating batteries and battery-powered products by providing key insights into battery performance.

Graduates

- 475 High Performance Building Supply** – Helps make buildings more durable, resilient, ecological, and energy-efficient while optimizing occupant comfort and health.
- Agrilyst** – Helps greenhouse operators run their operations more efficiently by using data from sensors in the greenhouse and information about crop yields and other metrics.
- Anellotech** – Uses a clean technology method for inexpensively producing petrochemicals from renewable, non-food biomass.
- BlocPower** – Operates an online marketplace that connects investors to energy efficiency projects in churches, synagogues, not-for-profit organizations, and small businesses in underserved communities.
- ClearGrid** – Develops pioneering advanced data analytics and integration tools for solar companies and utilities.
- DG Energy Partners** – Develops, finances, and seeks to own and operate solar assets in the United States.
- EcoLogic Solutions** – Manufactures and distributes environmentally-preferable cleaning products and technologies for restaurants, offices, hospitals, hotels, schools, and other institutional customers.
- Ecological** – Monitors, assesses, and improves sustainability performance for real estate assets on a portfolio level.
- EnerKnol** – Operates an energy policy data and analytics platform to provide real-time access to the critical regulatory information required to make decisions in the energy industry.
- Enertiv** – Builds hardware and software for building energy management for tenants, managers, and owners.
- HEVO Power** – Seeks to accelerate the adoption of electric vehicles through the deployment of its wireless charging network.
- Honest Buildings** – Sells a software platform focused on buildings that brings together building service providers, occupants, owners, and other stakeholders onto a single portal to exchange information.
- Keen Home** – Develops electronic floor, wall, and ceiling air vents that communicate with each other to regulate airflow in rooms so they are not too hot or cold.
- Lumiode** – Develops a microdisplay technology for portable devices that are brighter and more efficient than competing technologies.
- M.J. Beck Consulting** – Provides analysis services to clients in the energy industry, with expertise in engineering, finance, public policy, economics, and management.
- Radiator Labs** – Brings old steam-heated buildings into the 21st century with smart, connected radiator enclosures, saving 30 to 40 percent in heating costs.
- REGEN Energy** – Provides wireless electrical and automated demand management solutions for commercial and industrial customers.
- Rentricity** – Designs and installs an energy recovery system that harnesses excess pressure within water mains to generate clean electric power.
- Sistine Solar** – Designs custom solar panels and seamlessly integrates them into rooftops, outdoor furniture, and canopies.
- Smarter Grid Solutions** – Deploys its active grid management solution, which incorporates intermittent grid edge devices, such as wind turbines, solar panels, and energy storage devices, in order to manage the new grid architecture.
- Sollega** – Manufacturers commercial flat-roof racking systems for solar panels.
- ThinkEco** – Makes the modlet, a device that brings energy awareness and energy management to home and office environments by tracking appliance energy consumption.
- United Wind** – Offers little- to no-money-down leasing options to small wind customers in the United States.
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Long Island Incubator: Clean Energy Business Incubator Program (CEBIP) at Stony Brook University

- 13 current clients and three graduates
- Tenant companies have raised a total of more than \$22 million in private capital and created 75 jobs

Current Clients

Bonded Energy – Designs a cloud-based building energy management system that provides granular control to steam-heated buildings.

Brimes Energy – Commercializes a technology to efficiently capture wave power using a hydrokinetic marine energy device that produces energy from the constant movement of water.

Edgewise Energy – Provides next-generation energy technology for residential and commercial usage, including solar, fuel cells, battery storage, and distributed generation solutions.

Energystics – Produces technology that harvests vibrational energy, such as the energy from waves, to produce power.

Havelide – Develops a method of converting and storing natural gas as liquid hydrocarbons as an alternative to liquefied natural gas.

MEAn Technology – Commercializes advanced components for fuel cells that utilize nanotechnology to increase performance and decrease cost of the system.

modelizeIT – Designs energy intelligence software that models and analyzes enterprise data centers for large-scale optimizations and transformations.

NextSwitch – Develops radio-frequency-assisted superconductor switch technology capable of transmitting large amounts of electrical energy with minimal losses.

Re-Nuble – Uses a proprietary process to convert food waste into a cheaper, highly sterile and stable organic-based liquid fertilizer for the indoor agriculture industry.

StorEn Technology – Develops a new generation of vanadium flow batteries that offer superior performance at a lower cost and fulfill market demand for efficient and cost-effective energy storage.

Sulcrete – Uses waste materials generated by the petroleum and coal industries to produce a superior building and paving material that can be manufactured at the equivalent cost of conventional concrete while reducing the energy load.

ThermoLift – Develops a novel, natural-gas-driven heat pump/air conditioner with the potential to replace residential and commercial heating, cooling and hot water systems.

Urban Freight Corporation – Designs and develops a revolutionary freight system that looks to increase the efficiency of inbound freight shipments while providing delivery service to congested downtown districts without trucks entering the city.

Graduates

Earth Energy Exchange – Offers an online platform that serves as a marketplace for clean energy companies, products and advocates.

Solar Evolution – Develops a solution using technologies to provide a single device for prime power, backup power, and hydrogen generation.

Watt Fuel Cell – Develops and manufactures solid oxide fuel cell systems for various industries, including recreational vehicle, marine, and military sectors.

Central New York Incubator: Clean Tech Center at CenterState CEO's The Tech Garden

- 11 current clients and nine graduates
- Tenant companies have raised a total of \$23 million in private capital and created 159 jobs

Current Clients

Avatar Sustainable Technologies – Commercializes a process that economically produces fermentable cellulosic sugars from local industries' refuse.

Full Circle Feed – Creates healthy and environmentally-sustainable dog treats by reusing food waste from the restaurant industry.

Heliohex – Designs, develops, and distributes controlled-environment horticulture lighting and accessories.

Kohilo Wind – Produces an advanced wind turbine technology meant to harvest energy from wind sources in highly turbulent areas.

LED Spirit – Makes a revolutionary new LED lighting design that eliminates the printed circuit board from the LED manufacturing process.

Pelitex – Commercializes specialty fluids and coatings that improve corrosion resistance and performance of metal materials for an array of energy applications.

Spark Charge – Seeks to reduce range anxiety for electric vehicle drivers and owners by distributing unique charging and recharging products and providing web-based services.

Standard Hydrogen – Provides sustainable transportation services by enabling carbon-free, zero-emission fuel cell transportation through on-site-produced clean hydrogen stations.

Viable Spaces – Installs and operates vertical controlled environment agriculture systems for urban markets in order to decrease the carbon footprint of restaurants, markets and grocery stores.

Windsor Wood – Manufactures a stronger, more flexible and virtually unbreakable wooden material that can be used in a variety of manufacturing applications.

Wireless Grids Corporation – Makes highly intelligent, platform-agnostic wireless controls for a range of building uses, including energy management and occupancy sensing.

Graduates

Cortland Research – Offers an energy management system to optimize user energy consumption.

EkoStinger – Makes an aerodynamic truck trailer attachment that saves fuel, reduces road mist, stabilizes the trailer in high cross-winds, eliminates snow and ice buildup, and prolongs trailer life.

Emerson Sustainability Consulting – Develops a web-based tool that empowers and motivates users to institute sustainability practices at home.

Ephesus Lighting – Manufactures and sells LED arena and stadium lighting systems, which have been used in the Super Bowl and other high-profile sports and entertainment venues.

Green Vendors – Provides a solution for on-demand access to electricity using mobile phones, by enabling access to on-site, self-service electricity through charging stations and in-wall outlets.

MicroGen – Develops an efficient, cost-effective, long-life power source solution for customers of the wireless sensor network industry.

NOHMs Technologies – Commercializes rechargeable lithium-ion battery technology with significant performance, cost, safety, and environmental advantages.

Paper Battery Company – Develops ultrathin supercapacitors to enable revolutionary, system-level power and energy solutions.

Rapid Cure Technologies – Provides sustainable custom solutions to the coatings, composite resins, inks and adhesive markets.

Western New York Incubator: Directed Energy at the University at Buffalo

- 26 current clients and five graduates
- Tenant companies have raised a total of almost \$45 million in private capital and created 167 jobs

Current Clients

Abcombi – Commercializes a technology to develop a vaccine platform that does not require energy intensive refrigeration or other cooling techniques.

Buffalo Automation Group – Develops unmanned surface vehicle technologies that enable safe, sustainable and efficient maritime navigation.

Buffalo Bioblower – Manufactures an air-handling pump that sterilizes air.

DaStrong – Commercializes a solid-state air movement device to replace cooling fans.

Dimien – Develops proprietary thin films for windows to reflect unwanted infrared from sunlight.

Dynaraxx – Manufactures solar panel mounting systems.

Econoburn – Manufactures two-stage, gasification-based low-emission wood boiler systems.

EMVISS – Specializes in extreme active vibration control systems.

Energy Advantage – Designs a software product that allows business managers to control energy costs and prioritize efforts to identify and correct irregularities.

Esensors – Develops a variety of sensors for smart grid applications.

Helios NRG – Develops dewatering systems for algae processing and gas-separating technologies.

Keep Truckin – Develops a software/hardware platform for the trucking industry to manage fleet operations.

Lumisyn – Develops patented materials for LED applications that increase the brightness of LEDs, offer a more desirable color palette, and save energy.

MESHA Energy Storage Solutions – Commercializes hybrid ultracapacitor and battery energy storage technology for grid-based applications.

Momentum Lighting – Develops a wide range of lighting fixtures that are reconfigurable by installers to meet the needs of customers.

Nano Hydrogen – Develops novel nanomaterials capable of generating hydrogen gas from water on demand, which makes the storage and transportation of hydrogen safe, practical, and reliable for a number of applications.

Olive Ridley – Markets and sells a recycled and repurposed paint product for residential and commercial applications.

Open – Explores novel photoelectric processes that could underlie the next generation of high-efficiency solar photovoltaic devices.

Palame Enterprises – Works with naval architects and other strategic partners to design adaptive hull structures that make watercraft perform more efficiently under different environmental conditions.

RENEW Rare Earth – Develops recycling technologies for rare earth elements and materials.

Smart Walls – Develops a telescopic wall system that can be easily deployed to boost resiliency and prevent damage resulting from floods and other natural disasters.

Solara Environmental – Explores the development of a recycled latex paint that is more economical and less energy intensive than current paints in the market.

Sunny Clean Water – Commercializes a low cost, high yield solar still system that transforms polluted water into clean, purified drinking water.

Timberfish – Develops a food waste handling system by utilizing a comprehensive environmental biotechnology process.

TROVE Predictive Data Science – Uses data analytics solutions to study energy consumer behavior to predict usage patterns for utilities.

WeRecycleBatteries.com – Purchases used batteries with useful life and resells them for other applications.

Graduates

ENrG – Manufactures an ultra-thin flexible ceramic substrate that can be used in a variety of applications, including solar PV cells, fuel cells, electronics, and battery membranes.

Graphenix Development – Makes electrodes for high-performance ultracapacitors, which are energy storage devices that provide a quick surge of power on demand.

Isolations Sciences – Sells an easily-installed glovebox retrofit that improves containment, energy efficiency, and access of fume hoods used in laboratories.

Sensorcon – Designs and manufactures high-quality, easy-to-use environmental sensing products, including carbon monoxide and hydrogen sulfide meters.

Solar EMT – Provides engineering services to support the lifecycle needs of solar installations.

Capital Region Incubator: iClean at SUNY Polytechnic Institute

- 33 current clients and six graduates
- Tenant companies have raised a total of almost \$50 million in private capital and created 174 jobs

Current Clients

AARC – Markets and distributes proprietary LED lighting products for commercial and industrial applications.

AddiLat – Develops an innovative manufacturing process for conductive film materials for displays that eliminates processing steps and reduces costs.

Animate Energy – Develops and markets customized homeowner-focused energy management programs, including services offered by the company to help improve homeowner's energy profile.

Aris Energy Solutions – Manufactures, sells, and services a proprietary enhanced wind turbine product line that produces more energy than conventional wind turbines.

Avivid Water Technology – Develops and markets wide-spectrum water purification systems and processes for potable, process, and industrial applications.

Corish – Offers research and development services in the field of nanocomposites for various optoelectronic applications, which include transparent conductors, hybrid solar cells, and field effect transistors.

Electric City Energy – Provides design, analysis, and consulting services for a wide range of carbon free power generation systems, with expertise in both conventional and advanced nuclear power systems.

Electrospun Nanotechnologies – Develops a novel nanotechnology-based process that uses the synthesis and fabrication of photocatalytic nanomaterials to treat wastewater using solar energy.

Empower Equity – Provides a platform that is designed to bring standardization to integrated energy efficiency project evaluation as well as bridge integrated energy efficiency and scalable financing.

Energy Materials Corporation – Develops high-performance electronic materials with potential applications in energy harvesting, energy storage, digital processing, and optics.

Energy Storage Solutions – Develops new environmentally-friendly flywheel battery energy storage systems.

ENrG – Specializes in the development and manufacture of ceramic membrane and coating technologies for energy and electronics applications.

Eonix – Commercializes advanced ionic liquid electrolytes for advanced energy storage devices such as ultracapacitors.

Goodlight – Develops a low-cost solution for LED defects while improving performance and increasing yield for the manufacturers of LEDs.

HocusLocus – Commercializes a platform technology with numerous applications that serves as a molecular and therapeutic diagnostic tool for a variety of health and pharmaceutical applications.

Lotus Leaf Coatings – Manufactures and distributes nanoscale liquid repellent and liquid attracting coatings for solar, optics, micro-electronics, fluid dynamics, HVAC, and other applications.

LumiSolair – Specializes in solar, wind turbine, and energy storage systems that provide reliable off-grid lighting and backup power for a variety of applications.

Lumisyn – Develops patented materials for LED applications that increase the brightness of LEDs, offer a more desirable color palette, and save energy.

Mano Nanotechnologies – Develops a new system of airborne probes using nanotechnology-based components to enable ubiquitous environmental sensing and improve forecast accuracy for energy and other weather-sensitive applications.

MICROrganic Technologies – Commercializes microbial fuel cell technologies for wastewater treatment applications.

MTECH Laboratories – Develops and commercializes spin-off technologies associated with magnetic resonance imaging, cryogenic electronics, and advanced power electronics.

Optimal Solutions – Specializes in optimizing production planning, sourcing, distribution, and routing for complex energy-intensive manufacturing companies using high performance computing.

Pliant Energy Systems – Develops methods of extracting energy from moving water.

Safflyn Green Industries – Markets and delivers customized solutions for consumers to achieve energy independence with renewable energy sources.

SAVD Solar – Creates nanostructures as a finishing step for solar cells that redirect light waves to maximize the beneficial use of photons for electrical conversion.

Solar Raceway – Offers an innovative but practical design to encapsulate wires on solar systems focused on addressing wiring and balance of system solutions, without compromising simplicity, efficiency, and durability.

Solid Cell – Develops solid oxide fuel cell stacks, components, and common core modules with mass production capability.

SunDensity – Commercializes nanotechnology-enabled optical coating technologies to enhance solar energy generation from existing and new photovoltaic panels.

SunTrac Solar – Develops intelligent-tracking solar thermal concentrators that adjust to climate conditions, self-diagnose module underperformance, and communicate system status to building control and monitoring systems.

Tessolar – Produces PV module assembly and test equipment for solar photovoltaic manufacturers.

Tumalow – Specializes in developing proprietary software that enables users to increase revenue from energy storage systems by selling their excess energy to the grid.

Vistex Composites – Specializes in disruptive technology for the manufacture of advanced thermoset and thermoplastic composites.

VOLTA Reserve Power – Specializes in distributing safe and reliable grid-tied energy storage systems for smart home and office applications.

Graduates

B.E.S.S. Technologies – Develops innovative components to improve the performance of lithium-ion batteries.

Magnolia Solar – Develops and commercializes flexible thin-film solar cell technologies that employ nanostructured materials to capture a larger part of the solar spectrum, which enables high efficiency solar cells to reduce the cost of solar energy.

MPOWERD – Develops and manufactures an inflatable solar lantern for use by people worldwide living and playing on and off the grid.

ProTerra Lighting – Commercializes and markets LED lighting solutions, including high wattage LEDs that are safer and more energy-efficient than traditional LEDs.

ThermoAura – Commercializes a nano-manufacturing technology for thermoelectric and advanced nanomaterials.

Versatilis – Uses advanced materials and manufacturing processes for specialized applications in industries ranging from defense to flexible displays, solar cells, and laser devices.

Finger Lakes Incubator: Venture Creations at the Rochester Institute of Technology

- Ten current clients and nine graduates
- Tenant companies have raised a total of more than \$60 million in private capital and created 155 jobs

Current Clients

Biological Energy – Develops its patent pending industrial equipment for wastewater treatment which save energy and expand treatment capacity for municipal and energy customers.

CedarCreek P&T – Converts underutilized industrial waste streams into value-added products while safeguarding the environment and maximizing economic returns.

Celtec – Commercializes next-generation technology that increases the energy density and performance of lithium ion batteries.

Impact Earth – Provides zero waste solutions for individuals, businesses, and event planners with personalized training on sustainable practices and strategies.

MicroEra Power – Commercializes a hybrid natural gas generator and solid oxide fuel cell combination that will be used in the distributed generation energy market.

Molecular Glasses – Develops specialty materials for the OLED lighting and display markets.

R-Display & Lighting – Uses organic LED technology to create flat-panel display and lighting products at a competitive cost for manufacturing.

Securent – Specializes in logistics software that will increase the load utilization on trucks, thereby reducing the amount of energy consumed to deliver a given amount of freight.

Small Grid – Designs and markets net zero energy residential developments with highly efficient modular homes centered around a solar energy and heat pump unit.

Tyll Solar – Develops a hybrid solar thermal and photovoltaic system that is highly efficient.

Graduates

ClearCove Systems – Harvests organics from wastewater, providing energy and cost reductions in wastewater treatment processes while enabling treatment plants to become self-sustaining through renewable energy production.

Council Rock – Develops hardware and software for the smart grid, with its first product being digitally, remote-controlled power switches.

EnergyWise Partners – Enables solar and renewable energy investors to value, track, and manage energy assets.

Exiscan – Designs and manufactures a line of infrared windows and is developing a suite of electrical safety products designed to make inspection of industrial electrical distribution equipment more efficient, safer, and more accurate.

OptiCool Technologies – Provides innovative refrigerant-based data center cooling solutions that eliminate the need for a raised floor, reducing the space allocated to cooling and energy use by up to 95 percent versus conventional cooling.

Sweetwater Energy – Produces sugars from non-food plant materials using a patented process, creating a renewable alternative to petroleum.

Tenrehte Technologies – Designs wireless product platforms for energy monitoring, control, and management.

ThingWorx – Provides manufacturing-focused software for clients designed to make operational processes more efficient.

Vnomics – Offers truck fleet management software to make drivers and routes more efficient.

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