

NYSERDA supports six business incubators 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, 146 clients and graduates of these six incubators have raised more than \$247 million in private capital while creating more than 1,000 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 start-up 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 June 30, 2016

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

- **13 current clients and 20 graduates**
- **Tenant companies have raised a total of almost \$94 million in private capital, secured more than \$200 million in project finance capital, and created 312 jobs**

#### Current Clients

**475 High Performance Building Supply** – Helps make buildings more durable, resilient, ecological, and energy-efficient while optimizing occupant comfort and health.

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

**BlocPower** – Operates an online marketplace that connects investors to energy efficiency projects in churches, synagogues, non-profits, and small businesses in underserved communities.

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

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

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

**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.

**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.

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

**Voyage Control** – Offers an innovative solution for optimizing deliveries to reduce freight wait times and congestion at distribution centers.

#### Graduates

**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.

**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.

**Lumiod** – 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.

**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

- Nine current clients and three graduates
- Tenant companies have raised a total of more than \$18 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.

**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.

**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.

**Sulfcrete** – 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.

### 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.

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

- 13 current clients and eight graduates
- Tenant companies have raised a total of \$23 million in private capital and created 156 jobs

### Current Clients

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

**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.

**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.

**Solstice Power** – Develops an innovative and proprietary solar panel design that cuts the cost of a fully-installed solar power system.

**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 will 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.

**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 were used in the last Super Bowl and in 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.

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

- 22 current clients and five graduates
- Tenant companies have raised a total of almost \$14 million in private capital and created 148 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.

**Eensors** – 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.

**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.

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

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

**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.

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## Capital Region Incubator: iClean at SUNY Polytechnic Institute

- 31 current clients and five graduates
- Tenant companies have raised a total of almost \$40 million in private capital and created 178 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.

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

**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.

**IntegraLED** – Provides consultation and installation services of new energy efficiency measures for building systems.

**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.

**LuxOrion** – Develops LED lighting with metal-free phosphors grown directly onto the LED wafer to emit a warm white light.

**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.

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

**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.

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

**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.

**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.

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

- Nine current clients and eight graduates
- Tenant companies have raised a total of more than \$58 million in private capital and created 173 jobs

### Current Clients

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

**Cenify** – Designs an operating system that will permit inter-operability between different home energy efficiency systems.

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

**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.

**RWP Energy** – Develops standalone renewable energy power stations for off-grid power applications.

**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.

**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.

**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.