

SPRING 2022 LACIDEAL BOOK

525 S. Hewitt St. Los Angeles, CA 90013 Learn More: laci.org/powerday

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ABOUT SPRING POWER DAY

Spring Power Day is a celebration of 34 companies in LACI's flagship Incubation Program and their outstanding work to build an inclusive green economy.

Join us as we publicly graduate our first cohort of startups and support the scaling of their unique businesses serving our communities. We'll also welcome our newest cohort, share the inside scoop on our startups' fundraising and green job creation, and hear the latest findings from those founders driving LACI funded small-scale technology pilots.

We invite all cleantech advocates to participate in this power-packed showcase of progress made in clean energy, zero emissions transportation, and sustainable cities.

About LACI

The Los Angeles Cleantech Incubator (LACI), a City of Los Angeles-established nonprofit organization, is creating an inclusive green economy by unlocking innovation through working with startups to accelerate the commercialization of clean technologies, transforming markets through partnerships with policymakers, innovators and market leaders in transportation, energy, and sustainable cities, and enhancing communities through workforce development, pilots, and other programs. Founded as an economic development initiative by the City of Los Angeles and its Department of Water & Power (LADWP), LACI is recognized as one of the most innovative business incubators in the world by UBI. To date, LACI has supported 315 startup companies that have secured more than \$695 million in funding, generated more than \$317 million in revenue, and helped to create an estimated 2,480 jobs with a long-term projected economic impact of more than \$555 million.

Learn more at laci.org

SPRING POWER DAY AGENDA

10:30AM	VIRTUAL PLATFORM LAUNCHES & NETWORKING		
10:45AM	CELEBRATING LACI INCUBATION STARTUP SUCCESSES		
10:50AM	FIRESIDE CHAT: "CAPITAL RAISES THAT MADE AN IMPACT"		
	• Cohort 2 Co-Founder & CEO, Tosh Dutt of ChargeNet Stations and Nneka Kibuule, Senior Vice President of Aligned Climate Capital		
11:10 A M	PILOTS SHOWCASE – MEET 9 STARTUPS FROM COHORT 3 IN 30 MINUTES!		
11:45AM	CLOSING REMARKS & NETWORKING		



LACI INCUBATION PROGRAMS

LACI's integrated incubation programs leverage a unique blend of best practices in order to increase the success rate at which green startups effectively grow in Los Angeles to create long-term economic impact and investment in the region. Our core initiatives translate directly into new green job creation, specifically for a diverse workforce, with a significant number of those jobs at higher wage rates and for those who have been previously unemployed. LACI has developed globally recognized business incubation and acceleration programs that exemplify the benefits of economic development investment, with a strategic focus on transportation & mobility, clean energy, and smart, sustainable cities.



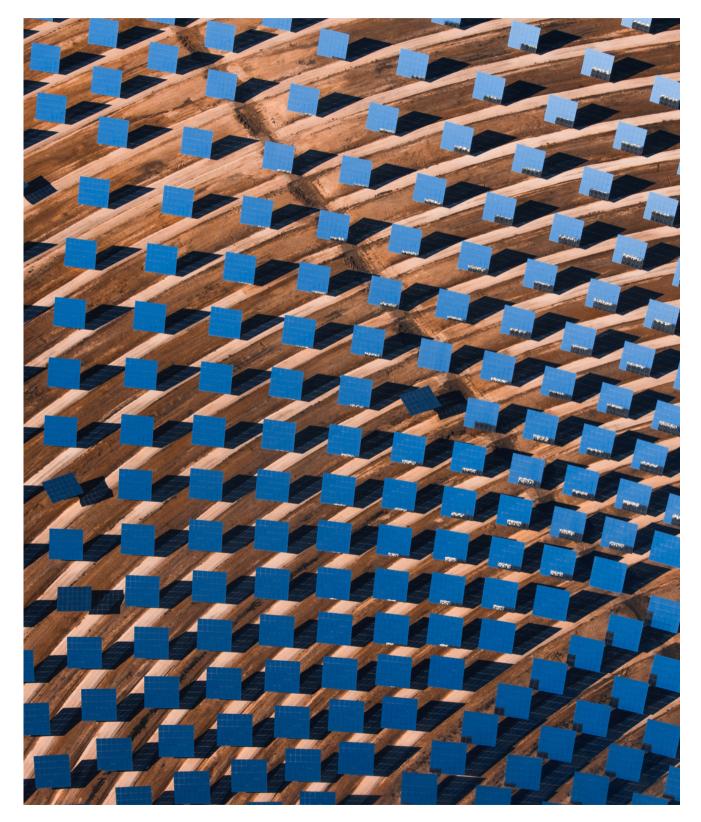
LACI's programs are designed to meet the unique needs and challenges faced by early- to mid-stage pre-commercialization cleantech companies, with a focus on regional tech deployments in clean energy, zero emissions transportation, and sustainable cities. LACI startup support includes:

- Access to LACI networks We provide curated market and network access and pilot opportunities throughout LA's cleantech ecosystem.
- Investor relations and due diligence We help to find access to equity and debt financing.
- Mentorship and coaching from Executives in Residence and industry experts.
- Guidance in measuring and reporting company impact and progress.
- A slate of shared business services including Legal and Accounting support

LACI PROGRAM CHART

FOUNDERS BUSINESS ACCELERATOR	INNOVATORS PROGRAM	INCUBATION PROGRAM	MARKET ACCESS PROGRAM
Businesses with Impact	Energy, Transportation & Circular Economy	Energy, Transportation & Circular Economy	Energy & Transportation
Accelerator for small businesses in the City of Los Angeles focused on economic development and impact	Light-touch network access program to plug early-stage cleantech entrepreneurs into California ecosystem	Hands-on program for support cleantech startups in Southern California through market access and business services	Pilot and investor focused program to scale cleantech companies in Southern California through large scale pilots and partnerships
10-week	12-month	2-year	1 to 2-year
Small Business	Pre-prototype	Pre-Seed & Seed	Series A+
Cohort 6: April 2022 - June 2022	Cohort 6: October 2021 - Aug 2022 Cohort 7: September 2022- August 2023	Cohort 2: April 2021 - March 2023 Cohort 3: Sept 2021 - Aug 2023 Cohort 4: April 2022 - March 2024	Applications launch April 2022

INCUBATION COHORT 3





DELPHIRE



Gilberto DeSalvo Founder & CEO

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Tech Priority Clean Energy

Sub-Sector Data, Measurement & Analytics

Delphire detects wildfires before they are visible above the forest canopy. By the time most sensors detect smoke, it's too late to stop it. Our Wildfire Al[™] uses visible, IR and gas sensors to provide early detection and deliver visual proof in areas with no cell coverage.

IR satellites can't detect fires under warm power lines. Unlike our competitors in this \$3B market, Delphire can detect those "hidden" fires before they become visible.

AWARDS & AFFILIATIONS

- DOE Phase I SBIR Award
- Long Beach Accelerator Cohort #1
- USCB, Caltech
- Nominated for DOE Small Business of the Year Award

FUNDING STAGE

SEED-PRE-REVENUE

- Seed Pre-Revenue
- Current Runway: 3-6 months
- Total Funding: \$299,500
- Expected: \$1M+ in grants in 2022

Smoldering AI - Early Fire

Wildfire

Wildfire

Wildfire

Ses AI - Smells Fires.

Tunit protects 2 miles

COMMERCIALIZATION STAGE

FUNCTIONAL DEMONSTRATION UNIT



ENERGOS, INC.



Rajesh Solanki CEO

Website: energos.ai
Contact: rajesh@energoscloud.com

Tech Priority Clean Energy

Sub-Sector Data, Measurement, & Analytics

Energos provides a software platform with edge AI for retailers to optimize operations and facilitate integration of EV charging and renewable energy. All equipment, HVAC and utilities are monitored and optimized with predictive AI, with easy integration of new equipment and energy sources to future proof operations as technology and demand for EV charging infrastructure evolves.

AWARDS & AFFILIATIONS

- Shell E4 Accelerator
- Trials at 18 modern Shell retail stores have validated the basic functionality of phase 1, and achieved 20% reductions in energy costs and 15% lower maintenance costs.

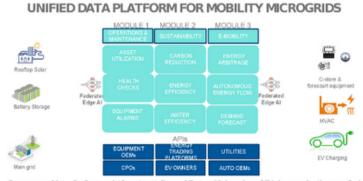
FUNDING STAGE

(CURRENTLY RAISING) SEED OF \$1M

- Seed
- In-revenue but not profitable
- Current Runway: 6-9 months
- Total Funding: \$500,000
- Currently raising \$1M Seed

COMMERCIALIZATION STAGE

ONE COMMERCIAL DEPLOYMENT



Energos provides a SaaS open platform to retailers, adding multiple makes of EV chargers & other new fuel types, along with storage, PV systems, with current retailer loads, HVAC, and other store & forecourt loads



EVOLECTRIC



Bill Beverley Co-Founder Co-CEO & CTO



Jakson Alvarez Co-Founder Co-CEO & CFO

Website: evolectricnow.com
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jakson@evolectricnow.com

Tech Priority Zero Emissions Mobility

Sub-Sector First & Last Mile Mobility

Evolectric is a California-based technology company specializing in electrified transportation and battery technologies. Evolectric's offerings encompass vehicle and battery solutions that advance e-mobility through rapid prototyping, electrified mobility solutions, battery technologies and standardized products.

AWARDS & AFFILIATIONS

• Long Beach Accelerator

FUNDING STAGE

PRE-SEED

- Funding Status: In-revenue, profitable
- Total Funding: \$500,000
- Seed round of \$3M

COMMERCIALIZATION STAGE

LAUNCHING COMMERCIAL DEPLOYMENTS





FLICK



Andre Ramirez Founder

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Tech Priority Clean Energy

Sub-Sector Data, Measurement, & Analytics

Founded by a 10yr+ utility veteran and serial entrepreneurs, Flick has developed, patented and is commercializing wired and wireless light switch products with a color signaling indicators that encourage end-users to reduce usage when energy is costly or more carbon intensive. Flick takes proven reminder tactics and packages it with a light switch, something we all interact with or see several times a day.

Flick aims to make lowering energy bills and reducing your daily environmental impact effortless and routine.

FUNDING STAGE

BOOTSTRAPPED/SELF-FUNDED

- Pre-revenue
- Current Runway: 3-6 months
- Total Funding: \$175K

Trial Sponsored by a DR Provider Proves Flick Can Be Effective n = 217



COMMERCIALIZATION STAGE

LAB PROTOTYPE





HUMBLE



Amit Runchal Co-Founder



Scott Pourray Co-Founder

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Tech Priority Clean Energy

Sub-Sector Renewable Generation

Humble (in stealth) is working on power distribution for field workers, starting with the entertainment industry.

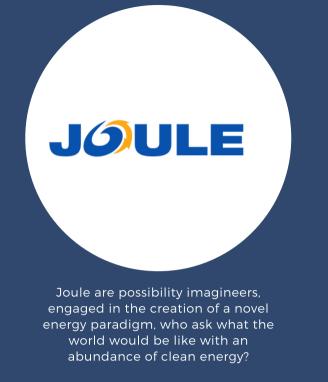
FUNDING STAGE

BOOTSTRAPPED

- \$100K in SAFE, Total Funding: \$200K
- In-Revenue

COMMERCIALIZATION STAGE

ALPHA PRODUCTS IN USE ON PILOT SITES.



THE JOULE FACTORY



Rafi Issac Co-Founder



Barry Issac Co-Founder

Website: thejoulefactory.com
Contact: rafi@thejoulefactory.com

Tech PriorityClean EnergySub-SectorRenewable Generation

The Joule Factory, would produce electrical power from the movement of water falling into itself, thereby renewing the resource as it is being used. The Joule Factory, therefore, acts like a traditional hydroelectric generation plant, but without having to create an overland dam system that breaks up critical wildlife cycles, flooding great swaths of land, and displacing people, wildlife, and food growing activities that supports a needy ecological system, which is currently under severe threat.

AWARDS & AFFILIATIONS

• Cleantech Open

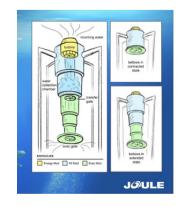
FUNDING STAGE

FRIENDS AND FAMILY

- Pre-Revenue
- Current Runway
- 6-9 months
- Total Funding: \$50,000

COMMERCIALIZATION STAGE

LAB PROTOTYPE





METERLEADER



Natalie Zandt Founder & CEO



Jolyon Bloomfield Co-Founder

Website: meterleader.com
Contact: nzandt@meterleader.com

Tech Priority Clean Energy

Sub-Sector Data, Measurement & Analytics

MeterLeader gamifies saving energy in homes and buildings by using real-time utility data and behavioral science principles. We allow users to easily create and participate in energy saving competitions that are integrated with real-time PG&E, SDG&E, and SCE utility data. We're like a Fitbit Challenge, but instead of steps, we measure kWh, therms, and the resulting carbon emission reductions. We help sustainability professionals achieve their energy savings, carbon emission, and employee engagement goals.

AWARDS & AFFILIATIONS

- LACI Incubation Program Cohort 3
- Currently in: 2022 Techstars STANLEY BLACK & DECKER

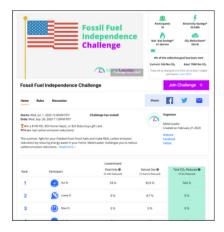
FUNDING STAGE

SEED-PRE-REVENUE

- Pre-Revenue
- Current Runway: 6-9 months
- Total Funding: \$120,000

COMMERCIALIZATION STAGE

ONE COMMERCIAL DEPLOYMENT





OLOKUN MINERALS



Lacey Reddix CEO

Website: olokunminerals.com
Contact: lacey@olokunminerals.com

Tech PriorityClean EnergySub-SectorResource Efficiency

Olokun Minerals aims to solve for global clean water security by sustainably harvesting ocean minerals from desalination brine to create a renewable source of power and provide key compounds for the supply chains of the future.

Olokun Minerals provides mineral-based products for transportation infrastructure and renewable energy generation and storage through captured brine waste from desalination plants. These solutions would divert harmfully high saline drainage water away from marine ecosystems and provide sustainably sourced minerals for critical supply chains.

AWARDS & AFFILIATIONS

• Participated in Venture for Climate Tech

COMMERCIALIZATION STAGE

FUNDING STAGE

BOOTSTRAPPED/SELF-FUNDED

- State or Federal Grants
- Pre-Revenue
- Current Runway
- 3 6 months
- Total Funding: \$8,000



REWILDER



Jennifer Silbert Co-Founder & CEO



Stephanie Choi Co-Founder

Website: rewilder.com Contact: jenny@rewilder.com stephanie@rewilder.com

Tech Priority Circular Economy

Sub-Sector Waste Management

Sustainable design company on a mission to find the wealth in waste. We are based in LA, and currently operate as an R+D lab that diverts and upcycles post-industrial, non-recyclable materials from the landfill, giving them a second life.

Our solution to textile waste is to create a centralized facility that will sort, process, and rehabilitate different types of waste materials, including pre-consumer, post-consumer, industrial, and commercial, to be ready for upcycling and redistribution, downcycling through shredding, or recycling with partners.

AWARDS & AFFILIATIONS

• LACI's FBA & Innovators Alum

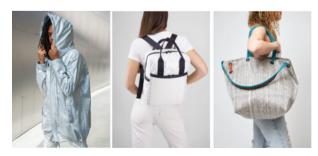
FUNDING STAGE

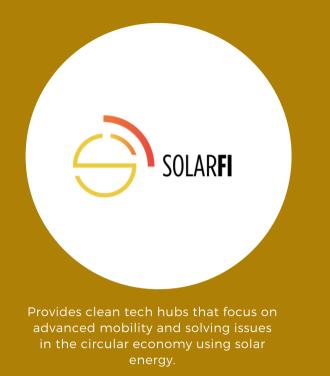
BOOTSTRAPPED/SELF-FUNDED

- Friends and Family
- In-revenue, profitable
- Current Runway: 1+ Year
- Total Funding: \$0

COMMERCIALIZATION STAGE

SMALL-SCALE PILOT DEPLOYMENTS





SOLARFI



Antonio Dixon Co-founder & President

Website: solar-fi.com Contact: ad@solar-fi.com

Tech PriorityClean EnergySub-SectorRenewable Generations

SolarFi promotes sustainable living by uniquely combining nature with technology to bring its customers solar-powered, fully transparent enclosures equipped with all the essentials, including climate controlled heating and cooling, charging stations and free public WiFi.

AWARDS & AFFILIATIONS

- Valley Venture Mentors
- Greentown Labs (Manufacturing)
- Techstars Alabama, EnergyTech
- Forbes Next 1000 Class of 2021

FUNDING STAGE

BOOTSTRAPPED/SELF-FUNDED

- Friends & Family
- In-revenue but not profitable
- Current Runway: 6-9 months
- Total Funding: \$87,000

COMMERCIALIZATION STAGE

MULTIPLE COMMERCIAL DEPLOYMENTS



INNOVATORS COHORT 6



ANAGY, INC.



Shreesh Holla Founder, CEO

Website: anagy.io

Technology Renewable Energy **Funding Stage** Bootstrapping / Self Funded

Pilot Status

No current deployments

Anagy develops a breakthrough field propulsion technology at lower power consumption than any current propulsion technology, sustained by harnessing ambient (thermal and inertial) energy. Electric. Less than 10% of energy needs compared to current solutions while capable of high speeds - due to energy for propulsion through the ambient environment. Initially targeting marine propulsion as a highly decarbonizing solution for the ocean transportation sector. No propellers needed. The technology is applicable across air, sea, land and space. Intent to target these other sectors as we scale.



Technology First & Last Mile Mobility **Funding Stage** Bootstrapping / Self-funded

Pilot Status

Beyond pilot status; seeking commercialization and expansion opportunities

We are a mobility start-up that is building space efficient electric vehicles for last mile applications. Our EVs feature manually swappable li-ion batteries which enable 24X7 operation. With flexible charging options including conventional wall charging we reduce range anxiety and help in mass adoption of electric vehicles. Our vehicle platform is highly scalable and is based on 3ft wide 3 wheeler architecture. With its light-weight footprint, our EV has very low initial cost coupled with one of the highest operating efficiency for an enclosed vehicle. Our business model is B2B targeted at vehicle fleets. Our customer traction is from a small chain retailer based out of mid-western US.

LUXEEV



KingPeter Cazeau Founder, CEO

Website: rideluxeev.com

Technology First & Last Mile Mobility **Funding Stage** Bootstrapping / Self-funded

Pilot Status

Beyond pilot status; seeking commercialization and expansion opportunities

Headquartered in Los Angeles, LuxeEV is developing a vertically integrated electric vehicle fleet operator platform that makes it easier for communities to shift to more sustainable mobility with green ridesharing. LuxeEV helps boost rider safety while reducing toxic emissions by using a dedicated allelectric, all-Tesla fleet, employee drivers, and a ridesharing app to provide safe rides and clean transportation for all communities, starting with colleges and universities. We use proprietary technology to develop a ridesharing app that offers services to users, including matching people looking for rides with professional drivers in company-owned Tesla vehicles. We focused on putting the environment first and meeting customers' needs around safety and superior customer service. At LuxeEV, we are trying to deliver a positive customer experience, not just a ride.



Pilot Status In Progress

"A novel design" for a reusable half-piece N95 respirator made from a coated nylon fabric that is designed to be more comfortable and reduce environmental waste and CO2 emissions. An accompanying mobile app that uses lidar scanning and augmented reality to measure the user's size and virtually check for fit.

NIGHTDOG ENERGY MANAGEMENT



Mark Berry Founder, CEO

Website: nightdogenergy.com

Technology Data, measurement and analytics **Funding Stage** Bootstrapping / Self-funded

Pilot Status

At least one pilot completed; currently pursuing additional pilot/demonstration opportunities

NightDog partners with clients to provide cost-effective energy management services for small and medium-sized buildings. Services include energy benchmarks, energy audits, energy analytics, and strategic energy management programs. The most significant impact for the lowest cost comes from leveraging buildings' energy data to generate insights and savings opportunities. PIQUE ACTIONImage: state of the stat

Website: piqueaction.com

Technology Data, measurement and analytics Funding Stage Seed

Pilot Status

Launched in October 2021

We are a media company. Our videos are built to capture attention, stimulate interest, and drive action. We are the opposite of doom scrolling. We make micro-docs about climate change solutions and will bring a huge new audience to the climate tech space. We're going to elevate the people in the ring and help get the entrepreneurs what they need - public awareness to push policy, investment, and workers. How do we do that? Reach millions through social.



Technology Circular: Resource Efficiency Funding Stage Seed

Pilot Status

Seeking pilot/demonstration opportunity

Today, about 90% of the 3.0 million CA multifamily households are incorrectly billed for water. A single master meter monitors the entire building and, at best, is only read bimonthly by the utility. Without submetering, tenants on average overpay for water regardless of usage. Worse, the lack of transparency disincentivizes and hinders water conservation efforts. The solution, Auto-Modulating Power (AMPS), is an in-unit device that infers tenant usage through activity tracking. AMPS is unique to existing utility master meters in both form and function. Unlike conventional meters, AMPS identifies tenant-specific activities from pressure fluctuations inside domestic pipes. No such information is available from existing inflow meters and AMI solutions. Rather, AMPS can determine activity types, i.e. toilet flushes and shower, to infer relative usage to complement the existing meters. This makes retrofits easy without requiring access to underground or behind-the-wall locations. A single tee is used to tap into domestic water systems from inside the unit.

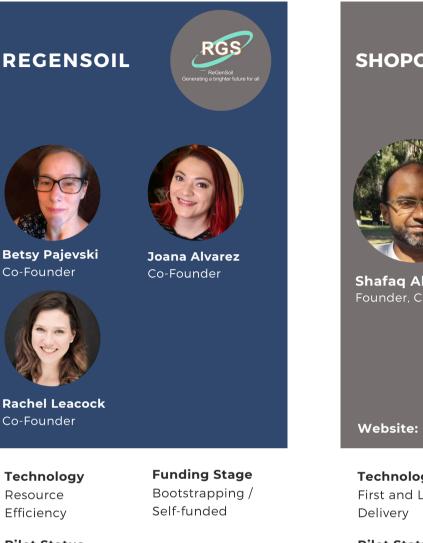


Technology Renewable Generation **Funding Stage** Bootstrapping / Self-funded

Pilot Status

Seeking pilot/demonstration opportunity

RCAM Technologies applies advanced concrete manufacturing methods including 3d concrete printing to renewable energy infrastructure. RCAM is the only company in the world developing 3d concrete printing solutions for offshore wind energy infrastructure (such as suction anchors for floating offshore wind turbines, and foundations for fixed bottom turbines). RCAM applies several proprietary design innovations in the anchor that enable its manufacture by 3d concrete printing. increase its structural efficiency and service lifetime, and reduce its embodied carbon intensity. RCAM is also developing methods for land-based wind turbine tower manufacturing and a unique modular offshore energy storage technology called marine pumped hydroelectric storage (M-PHES).



Pilot Status

Seeking pilot/demonstration opportunity

Vermicomposting is the process of food decomposition by way of worms breaking down food into a nutrient and microbe rich soil amendment. Vermicomposting is a more energy and space efficient system, when compared to landfills, combustion, and composting. The process will also reduce emissions by reducing transportation miles by creating local hubs for the food waste to be processed. The process recycles viable agricultural products to keep nutrients and microbes in the food cycle instead of throwing them into a landfill to be reused by farmers and bring back those nutrients into the community.



Website: shoponomik.com

Technology First and Last-Mile **Funding Stage** Bootstrapping / Self-funded

Pilot Status

Seeking pilot/demonstration opportunity

Local-Clean-Delivery-as-a-Service for brickand-mortar businesses to generate more revenue while simplifying delivery operations. The B2B2C (app + SaaS) platform takes orders (from people looking to order food/goods) and enables real-time communication between merchants for order fulfillment and delivery. Unlike UberEats or DoorDash, it allows merchants to run their own delivery service, take in phone orders and allow bulk/addons powered by AI for consumers and provides reporting/advance analytics for key business efficiency metrics. With clean delivery as preferred partners it tracks carbon emissions and via curb-reservation minimizes idling. Platform has integrations with Shopify to give local merchants access to delivery services.

SINKCO LABS





Viji Thomas Founder & CEO

Website: Linkedin.com/company/sin kco-labs

Technology Resource Efficiency **Funding Stage** Bootstrapping / Self-funded

Pilot Status

At least one pilot completed; currently pursuing additional pilot/demonstration opportunities

We have developed a carbon sequestration method that does not rely on carbon credits. Through our novel sequestration process, we can create carbon-negative bi-products that have significant market value, such as spirits, cosmetics, and other consumer goods. With our early prototypes, we have created the most sustainable ethanol ever made, and we aim to disrupt the spirit industry with our conscious alternative. The methods we have developed result in carbon-negative and water-efficient processes using advantageous biomass. Our products are rooted in the principles of innovative circular economy, transparency, accessibility, and we are just getting started.



Not ready

Tesserol is a clean energy venture that manufactures proprietary fuel-cell modules to power the \$6B commercial drone market for surveillance, agriculture, and delivery. A replacement to similar-sized Li-Po batteries and hydrogen fuel cells, our solution is ecofriendly and provides increased endurance, extended operation times, and higher payload capacity. Tesserol will have 2 main product lines at launch: (a) A hybrid power module for VTOL and Multi-rotor UAVs, and (b) all-liquid fuel cell module for fixed wing applications. In addition to this, Tesserol will also have a retrofittable VTOL UAV platform with our proprietary power source already integrated. This barebones platform is directed towards Drone-as-a-Service and Drone operator companies who like to add their specific functionalities and capabilities to a drone.



Chantal Soubigou Supply and Sales Manager

Hechem Nadja Co-Founder

Technology EV Charging

Infrastructure

Funding Stage Seed

Pilot Status

Beyond pilot status; seeking commercialization and expansion opportunities

TinHy is a highly scalable hydrogen refueling station designed to fast-track the expansion of hydrogen as a zero-emission fuel. It is a unique combination of technology (compressor, electrolyser, protocols) based on multiphysics modeling. TinHy is a sustainable tiny station, fitting into a parking space and easy to deploy, avoiding the regulatory burdens that larger refueling infrastructure faces. As it easily blends into the urban landscape, it is meant to be deployed in urban or remote area dispensing 80 kg per day to light duty, buses or heavy duty vehicles. TinHy produces its own green hydrogen by electrolysis and only needs to be connected to the low voltage grid, similar to a fast charger and the water network to operate in full autonomy. It is fully digitalised, offering a differentiated refueling experience based on a high level of connectivity and service. It can be dynamically operated facilitating the insertion of renewable energy.

ALUMNI COMPANIES

INCUBATION | MARKET ACCESS | LACI ALUMNI



INCUBATION COHORT 1 SNAPSHOT







CERO

JUMPWATTS



















renta romper





IHR







plus⁺





INCUBATION COHORT 2 SNAPSHOT

MARKET ACCESS PORTFOLIO

Automotus



¤zoomo





Pedal Movement

LACI ALUMNI SNAPSHOT



















₹ F R E E W i R E











LACI ALUMNI SNAPSHOT



















WE WANT TO HEAR FROM YOU!

Seeking more information about LACI Programs? Connect with Molly Crete, Sr. Program Manager, Startup Incubation, at **molly@laci.org**

Want to apply or know someone who might? Connect with Youri Bourgeois, Pipeline Coordinator, at **youri@laci.org**

Looking to connect with LACI startups for investment opportunities? Connect with Lisa Brasher, Sr. Director of Investor Relations, at **lisa@laci.org**



