



NYCEDC launches climate innovation pilot program at Brooklyn Army Terminal in Sunset Park

October 17, 2023 - Owners Developers & Managers

Brooklyn, NY New York City Economic Development Corporation (NYCEDC) has activated one of its flagship assets, the Brooklyn Army Terminal (BAT), in Sunset Park, for climate innovation pilot projects allowing companies to test and scale their technologies in live environments. The program will allow companies to pioneer groundbreaking technology and solve for city challenges around energy, transportation, and building decarbonization. NYCEDC's Sunset Park Portfolio features over 200-acres of waterfront space and assets that provide opportunities for industries of the future.

Recognizing the global threat of climate change and the need to accelerate a just transition to a green economy, this new piloting program highlights the potential and value of public-private partnerships to grow emerging technologies and companies. Pilots will have access to parking spaces and electrical, roadways, waterfront access, plumbing and water systems, building façade and windows, roof areas, and heating and boiler systems. These spaces and infrastructure will offer a live environment for companies to test their technologies, develop their products, show viability for customers and investors, and tap into New York City's economy, the ninth largest in the world.

"New York City is a global leader in the urgent work of transitioning the built environment to be more resilient and less energy intensive. This exciting project at BAT is another example of the Adams' administration's work to bring the public and private sectors together to identify, test and scale innovative tools and technologies that will help to reduce carbon emissions and advance the city's climate agenda," said deputy mayor for economic and workforce development Maria Torres-Springer.

"The Brooklyn Army Terminal is steeped in history, a fixture of the Sunset Park community and New York City economy and will now be in the frontlines of the fight against climate change by piloting new technologies and unlocking new solutions to tackle this global crisis," said NYCEDC president and CEO Andrew Kimball. "Through this new piloting program, we will demonstrate the potential of public-partnerships and continue to further New York City as a global hub for businesses, entrepreneurs, working families, while accelerating our city towards a just green transition."

NYCEDC selected three companies to participate in the inaugural cohort who will start their piloting program in September 2023. NYCEDC will issue a quarterly call for companies that are aligned with NYCEDC's industry development and real estate portfolio management objectives. Pilots will be selected based on a number of criteria including industry need, impact, and feasibility. The inaugural cohort includes:

Conservation Labs, a startup that will pilot its H2know product, an affordable smart water monitor that uses AI to manage water consumption and detect leaks.

Enertiv, a startup based in NYC, will digitize select meters and submeters to produce granular insights into electricity consumption and demonstrate its potential for monthly utility cost recovery.

Trakref, acquired by the facilities management software company, Fexa in April, will pilot refrigerant management software that helps to reduce carbon emissions by surfacing HVAC inefficiencies and refrigerant leaks.

NYCEDC evaluated these companies in conjunction with JLL Technologies (JLLT) as part of the interagency Property Technology (Proptech) Piloting Program that surfaces innovative startups that are interested in working with NYCEDC, the New York City Department of Citywide Administrative Services (DCAS), and the New York City Housing Authority (NYCHA) to improve quality of life for tenants and address real estate sustainability. The Proptech Piloting Program, like many of the innovation programs around New York City, requires live demonstration sites, a need that BAT will fill for this program and others as it emerges as a campus.

“With climate week coming up this September, it is urgent that we continue to invest in more innovative climate solutions that fit the needs of our city. This climate innovation pilot program allows for us to move on sustainable solutions to protect our communities and waterways, while also supporting our green economy and life science workforce. I look forward to seeing the positive outcomes of this pilot program, and to supporting more innovative solutions, both in the immediate and long term, to the climate crisis,” said council member Amanda Farías.

“We are in a climate emergency and we need to use all the tools in the box to put the City of New York on track to meet its climate goals” said Sunset Park Council

Member Alexa Avilés. “The Sunset Park community has spent years planning on how to shift to a green, sustainable economy. In conjunction with the Green Resilient Industrial District (GRID) Plan 2.0, this pilot initiative at the Brooklyn Army Terminal, demonstrates the importance of alignment and action - right here in Sunset Park - as we begin to address one of the biggest challenges of our time,” said council member Alexa Aviles.

“I am excited to see New York City partnering with the growing climate tech sector and leveraging its infrastructure to find 21st century solutions for our environmental and climate goals. It’s fitting that the Brooklyn Army Terminal will be used for this purpose, as it was historically used to aid the nationwide mobilization to fight two world wars, and now it will be a center to prove and improve technology

needed to aid the fight against climate change. I applaud EDC and the City for taking this initiative,” said New York state senator Andrew Gounardes.

“I am thrilled that NYCEDC is activating Brooklyn Army Terminal for climate innovation. Our community in Sunset Park is at the forefront of the climate justice movement because we face the most harm when it comes to damaging climate change. Right now, my neighbors shoulder increased risks of health issues due to pollution and dangerous conditions due to natural disasters. We must be proactive about confronting these issues to keep Sunset Park safe. I applaud NYCEDC for leading climate innovation and supporting projects that will protect our community,” said New York State assembly member Marcela Mitaynes.

“The Climate Innovation Pilot Program is one piece of a decades-long fight for a green reindustrialized waterfront in Sunset Park. This Climate Innovation Pilot Program positions Sunset Park at the forefront of the growing green economy and will support statewide climate goals while providing well paying manufacturing jobs in a frontline climate justice community. UPROSE applauds EDC for demonstrating what is possible when frontline leadership and government entities collaborate to implement community led visions,” said executive director of UPROSE Elizabeth Yeampierre.

“As advocates of Sunset Park’s thriving industrial waterfront, we welcome NYCEDC’s Climate Innovation Pilot Program. This forward-looking initiative will help activate one of our community’s most important economic development assets – the Brooklyn Army Terminal – as a place to incubate critical technologies and products that can help address the climate crisis. SBIDC looks forward to partnering with NYCEDC and the inaugural program’s companies to forge a greener and more resilient industrial waterfront,” said Southwest Brooklyn Industrial Development Corporation (SBIDC) director Jesse Solomon.

“Our collaboration with NYCEDC’s climate tech initiative targets unwanted water use and associated carbon emissions, emphasizing the pivotal role of water solutions in addressing climate challenges. We expect our partnership to demonstrate the importance of water and are excited about the transformative potential it holds for urban sustainability,” said founder and CEO of Conservation Labs Mark Kovscek.

“Enertiv is excited to have been selected for the opportunity to take part in the NYCEDC’s piloting program. Our project at the Brooklyn Army Terminal will showcase the advanced capabilities of our Operational Intelligence Software, while providing the NYCEDC the energy consumption transparency and cost recovery opportunity they’ve been deprived of to date. Our software will offer the NYCEDC and its tenants an opportunity to understand their true energy impact, helping them to reduce costs while achieving their decarbonization goals,” said Enertiv founder and CEO Connell McGill.

“Trakref has been on a mission to protect the environment by solving the fugitive refrigerant emissions problem. Our merger with Fexa is allowing us to reach more organizations, HVAC technicians, and cooling assets. We are thrilled to pilot our technology at the Brooklyn Army Terminal with NYCEDC,” said Fexa, Inc. chief compliance & sustainability officer Ted Atwood.

Sunset Park is to be an emerging hub for climate innovation. The waterfront district has extensive

industrial infrastructure, a diverse array of tenants and uses, and connection to major transportation networks. NYCEDC's primary assets in Sunset Park include the Brooklyn Army Terminal, the South Brooklyn Marine Terminal, and the Made in New York Campus (MiNY). Each of these assets provides unique opportunities for innovation, business development and support a just transition to decarbonize New York City's economy.

BAT is a modern industrial campus powered by the rich legacy of the South Brooklyn waterfront. NYCEDC has worked to transform BAT into a modern manufacturing hub. The pilot program at BAT builds on NYCEDC's and New York City's efforts to support innovation, entrepreneurship and a just transition to a green economy.

In April 2023, its electric, a Brooklyn-based electric vehicle curbside charging company, began a strategic partnership with NYCEDC and Hyundai CRADLE to demonstrate curbside EV chargers specifically built for cities. Six chargers were deployed at BAT and the Brooklyn Navy Yard in spring 2023, informing development of BAT's activation to enable product development opportunities for growing tech companies.

In March 2022, mayor Eric Adams announced an agreement to transform the city-owned South Brooklyn Marine Terminal (SBMT) into one of the largest offshore wind port facilities in the nation. The premier port will be located in Sunset Park and is poised to play a pivotal role as a marshaling port, operations and maintenance base, and electricity interconnection point that will be a forerunner serving US wind farms.

In June 2022, the Offshore Wind Innovation Hub opened in Industry City. The Brooklyn-based hub is designed to spark innovation by facilitating testing opportunities, fast-track commercialization, and developing strategic partnerships. NYCEDC, along with Equinor, the Urban Future Lab (UFL) at the NY Tandon School of Engineering, and the National Offshore Wind R&D Consortium (NOWRDC), found and created the Offshore Wind Innovation Hub.

And in 2021, NYCEDC and Newlab, in collaboration with Con Edison announced the five startups participating in the Resilient Energy Studio, a program designed to cultivate local energy storage capacity across New York City through entrepreneur-led pilot projects and collaboration with community organizations, energy experts, and leading industry stakeholders.

This program also represents an example of expanding opportunities to test new technologies and approaches as outlined in the "New" New York Action Plan with the goal of making New York the hub of urban innovation that will bring vibrancy to New York City. Additionally, this program will sit alongside a consortium of pilot sites across city owned assets including Brooklyn Navy Yard and Governors Island.