NY Smart Cities Innovation Partnership – Call for Proposals

Open Date

08/07

Deadline for Submission

01/09

Program Description

The Israel Innovation Authority (IIA) and the State of New York, through selected New York State Cities jointly open the NY Smart City Pilot Program.

Interested Israeli companies are invited to submit applications to pilot, test, adapt and optimize impactful Smart City technologies, services, and devices in Municipal Testbeds at selected New York Municipalities (listed in alphabetic order):

- Glen Falls
- Jamestown
- New York
- Saratoga Springs
- Schenectady
- Syracuse
- Village of Southampton

The goals of the collaboration are to stimulate transnational partnerships, accelerate the availability of Smart City innovation to the public, introduce Israeli technology to the US market, and advance the development of discoveries for the benefit of all people.

Successful applicant companies will receive funding directly from the Israel Innovation Authority, in addition to access to the partner Municipal Testbeds.

* This program is operated under the IIA's Track for Bilateral Pilot.

Relevant Technologies and Project Areas

Each municipality has a unique interest area:

Government Type	Region	Municipality Name	Grant Award	Project	Description
City	Western NY	Jamestown	$200,000	Advanced Water Meter Monitoring	Upgrade several thousand water meters with advanced water meter sensors to improve system reliability, share water information with residents, proactively identify water leaks, enable troubleshooting in real

					time with residents, and reduce travel/road time for customer field reps fixing water utility issues.
City	Capital District	Schenectady	$55,000	Smart Courts	Pilot a solution to schedule court appearances in appropriate time slots effectively and efficiently, as well as leverage technology to enable Schenectady police officers to use videoconferencing, resulting in a reduction of time wasted from waiting, which means more time available for patrol.
			$22,000	Emergency Medicine Triage	Pilot an emergency medicine triage system by deploying telehealth communications used by emergency medicine providers (i.e., emergency physicians or physician assistants and nurse practitioners under the direct supervision of an emergency physician), 911 dispatch, certified emergency medical technicians, and patients for the purpose of triaging a patient's level of severity and appropriate next steps of care when an acute medical problem arises.
City	New York	New York	$50,000	Computer Vision Mobility Counting	Test sensing hardware and computer vision algorithms that can be run through existing CCTV feed or site-mounted sensors to collect continuous counts and other data in an accurate, flexible, and lower-cost method.
			$90,500	Real-time Flood monitoring	Develop an online data dashboard for residents and researchers to access collected flood data. Sensors will be affixed to street infrastructure, public or private, and the software will exist on the Internet.
City	Capital District	Saratoga Springs	$100,000	Connected Street Lights	Convert city streetlights into connected streetlights delivering energy efficiency savings, WI-FI for local public housing residents, and

					gather environmental data points on weather/air quality.
Village	Long Island	Village of Southampton	$200,000	Environmental Monitoring of Nitrogen Polution	Remediate groundwater contamination around Lake Agawam via sanitary system upgrades, a permeable reactive barrier, and real-time sensors. Goals include installing a permeable reactive barrier to remove nitrogen pollution from groundwater; replacing polluting septic systems with innovative/alternative systems that emit low nitrogen; deploying a decision-making tool to minimize ocean release of toxic blue-green algae; and reducing public threat posed by blue-green algae.
City	Capital District	Glen Falls	$96,700	Vertical Urban Farming	Develop and refine a self-contained, easily replicable, scalable, transferable vertical farming system, designed to grow a wide variety of vegetables, herbs and plants at site-independent locations year-round.
City	Central NY	Syracuse	$50,000	Monitoring Vacant Structures	Deploy smart building tech to monitor 1600 vacant structures. Goals include: Using sensors to monitor interiors (e.g., water damage, fire/heat, compromised doors/windows) and exteriors for code violations; Make it easier and quicker for an inspector to identify safety issues at vacant buildings; Pro actively deploying inspectors to vacant buildings when indicated by sensor(s)
			$150,000	UAS Environmental Monitoring	Deploy unmanned aerial systems (UAS) to monitor Skaneateles Lake for Harmful Algae Blooms (HABs). Goals include: Effectively, efficiently collect and test water samples; Visually/automatically map HAB formation; Identify the environmental factors that increase algae bloom generation; Deploy

					automated mitigations/treatments to reduce presence of HABs

Conditions and Criteria

- Applicants to IIA must be registered and operate in Israel.
- The pilot projects must contribute significantly to the solution readiness for deployment and commercialization. Proposals must clearly elaborate how this is going to be achieved utilizing the resources and merits of the project partners. The proposed project will be examined based on its **innovation and excellence level**, **impact**, the **synergy between the partners**, the **capacity to execute**, and the **challenge** it is trying to solve.
- Project applications should have **evidence** to **support the proposed pilot**, such as a working prototype or POC. The high-risk in testing the technology with the partner city may necessitate further development for improvement, customization, and fixing of elements that appear just before, during, or after the pilot. (Changes in scope that may result will not increase the authorized budget.)
- The companies must follow IIA's rules and regulations, as described in the [Track for Bilateral Pilot.](#)

Offered Support

IIA Funding

The IIA will support up to 50% of the approved R&D budget of the Israeli companies, according to the IIA funding regulations.
Rules for this [track](#) do not allow the IIA to fund expenses of the foreign partner site if there are any, for the Israeli company.

Partner Municipalities In-Kind Resources

In addition, the partner Municipality will provide in-kind resources, such as:

- Usage of unique facilities for beta-sites operations;
- Access to real-field-conditions for the tested innovation;
- Usage of internal services, expertise, knowledge, or equipment;
- Access to unique data, data-sets, engines, devices, skills;
- Possibility to recruit experimenters, tools, etc. from the foreign entity;
- Experts' and consultants' time to guide, co-develop and, identify the parameters of the product/technology for testing or potential use cases;
- Regulatory and legal guidance to ensure full compliance;
- Assistance in co-commercializing the product; for example, through joint work with relevant local business partners (companies, investors, distributors, etc.) that are part of the foreign entity's network;

For full details regarding the benefits, please check the relevant Program Guidelines.

Application Process

<u>Open date – 08/07/2020</u> – Israeli companies will use project information on the ESD Smart Cities website to develop and submit projects for IIA funding consideration. Non-Israeli companies may simply submit one application on the ESD website for ESD funding and are not required to submit the IIA application.

<u>Deadline for Submission – by 01/09 /2020:</u>

Proposals will be considered fully complete when a company has submitted both the IIA application and the <mark>ESD application</mark>. For full details regarding the IIA application, please visit the Call for Proposals in Hebrew.

Contacts

For further details, please contact the North American desk at the IIA NA@innovationisrael.org.il

In addition, the Israeli Commercial Attaché to the East Coast, Mr. Inon Elroy and his team are available to assist in facilitating the partnerships with NY partners: Inon.Elroy@israeltrade.gov.il

For further details on details around the New York State projects and ESD application, please contact the Emily Ekland, Vice President of Business Development at ESD Division of Science, Technology and Innovation: Emily.Ekland@esd.ny.gov

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