

NY Smart Cities Innovation Partnership – Call for Proposals

Open Date: 10/07

Deadline for Submission: 1/09

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 Innovation Partnership program call for company proposals.

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):

- Glens Falls
- Jamestown
- New York City
- 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:

Region	Municipality	Grant Award	Project	Description (Click to View Full Project Briefs)
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. The project is forecasted to substantially support low- and moderate-income residents.

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Capital District	Schenectady	\$55,000	Smart Remote Courts	Pilot a solution to streamline court schedules and leverage secure videoconferencing for more efficient court appearances.
		\$22,000	Emergency Medicine Triage	Pilot an emergency medicine triage system to appropriately diagnose and route cases onsite, before a resident makes it to the emergency Room. Deploy telehealth communications used by emergency medicine providers (e.g. emergency physicians or physician assistants), 911 dispatch, certified emergency medical technicians, and patients to triage a patient’s level of severity and appropriate next steps of care when an acute medical problem arises.
New York	New York	\$50,000	Automated Mobility Counting	Pilot automated sensing hardware and computer vision algorithms to reduce time-intensive counts of people and vehicles in priority intersections. Automated data collection can be run through existing CCTV feeds or site-mounted sensors to collect continuous counts and other data in an accurate, flexible, and lower-cost method. The project will drive greater understanding of travel trends and improve safety.
		\$90,500	Real-time Flood monitoring	Develop an online data dashboard for residents and researchers to access collected flood data, increase understanding of flood events, protect local communities, and improve resiliency. Sensors will be affixed to street infrastructure, public or private, and the dashboard will be publicly accessible online.
Capital District	Saratoga Springs	\$100,000	Connected Wi-Fi Street Lights	Convert city street lights into connected street lights to realize energy efficiency savings, deliver Wi-Fi for local public housing residents, and gather environmental data points on weather/air quality.

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Long Island	Village of Southampton	\$200,000	Environmental Monitoring of Nitrogen Pollution	Remediate groundwater contamination around Lake Agawam via sanitary system upgrades, a permeable reactive barrier, and real-time sensors. Goals including 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.
Capital District	Glen Falls	\$96,700	Vertical Urban Farming	Develop and refine a self-contained, easily replicable, scalable, and transferable vertical farming system, designed to grow a wide variety of vegetables, herbs and plants at site-independent locations year-round. Produce will support local restaurants, food banks, and other institutions.
Central NY	Syracuse	\$50,000	Monitoring Vacant Structures	Deploy smart building tech to monitor existing vacant structures. Goals include using sensors to monitor interiors (e.g., water damage, fire/heat, compromised doors/windows) and exteriors for code violations, making it easier and quicker for an inspector to identify safety issues at vacant buildings. The project will allow the city to proactively deploy inspectors to vacant buildings when remotely sensed.
		\$150,000	Algae Bloom Monitoring & Treatment	Deploy unmanned aerial systems (UAS) to monitor Skaneateles Lake for Harmful Algae Blooms (HABs). Goals include effectively and efficiently collecting and testing water samples, visually/automatically mapping HAB formation, identifying the environmental factors that increase

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				algae bloom generation, and deploying automated mitigations/treatments to reduce presence of HABs.
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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.

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Application Process

Open date – 10/07/2020 – 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.

Deadline for Submission – by 01/09/2020:

Proposals will be considered fully complete when a company has submitted both the IIA application and the **[New York State Application](#)**. 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