**Colombia-Israel Pilot Program 2022**

**Deadline for submissions: June 29th, 2022**

The *Israel Innovation Authority* (IIA) and *Innpulsa Colombia* (Innpulsa) invite interested Israeli companies to submit applications to **pilot** **program** with the following companies- Bancolombia, People Contact, Grupo Argos, Black Vitriol S.A.S, Metro de Medellín, Renting Colombia, Grupo Unión, Protección, Nutresa, Summer TIC, Taxía Life, Andercol, Grupo ISA and Grupo de Energia de Bogotá .

Innpulsa and the IIA are seeking to help Israeli companies get the evidence and assistance they need to fine-tune their technology development and to enter and be successful in the market. The listed companies would serve as a real-world living laboratory for the Israeli companies to test and improve a process, service, or product.

The goal of this collaboration is to accelerate the availability of innovations to the public, introduce Israeli technology to Colombian industries, and advance the development and deployment of discoveries for the benefit of the world**.**

**Bancolombia is interested in Smart Mobility for big cities:**

* How to get all transportation services together for people to make better choices?
* Development and implementation of digital tools for a mobility ecosystem within the MaaS initiative by Bancolombia

Contact: Camilo Velasquez - CAMIVELA@BANCOLOMBIA.COM.CO

**People Contact is interested in the development of an APP for the implementation of Smart Mobility components, Big Data consolidation, descriptive and predictive analytics application for the city of Manizales.**

* Lora Wan tecnology sensoric based implementation in Manizales mobility system

Contact: Daniel Gómez - coordinador.proyectos@peoplecontact.com.co

**Grupo Argos is interested in Smart infrastructure**

* Good infrastructure is key for competitiveness. We are looking for solutions to build bridges faster and cheaper than conventional methods.

Contacts: Hector Romero - hromero@argos.com.co

**Black Vitriol S.A.S is interested in Smart Mobility and Smart City Technology:**

* The purpose in the long term is to achieve the“democratization of technology”, placing the lower income inhabitants of the city of Barranquilla, as the axis of the current revolution through the dynamic use of technology from: the Internet of Things, Environmental Sensorics, Artificial Intelligence, urban and rural community internet for the construction of an intelligent and unstoppable city

Contact: Gabriel Jimenez - angie@blackvitriol.com

**Metro de Medellín is interested in developing a real digital market place to advance in the way of a smart city with smart citizens:**

* The challenge is to propose a development that allows the integration of the Civica app with the network of public parking lots in the city, generating an expansion of the Civica app ecosystem with solutions that give citizens alternatives to make first and last-mile connection integrated into the mass transport system.

Contact: Carolina Echeverry Hernandez - cecheverry@metrodemedellin.gov.co

Juan Camilo Gómez - jcagomez@metrodemedellin.gov.co

**Renting Colombia is interested in Smart Mobility for big cities:**

* Generate a service attention network for masive fleets, linking satellite location information of the different service points, their attention capacity as well as other variables captured from the OBD, telemetry systems, traffic in the cities, information of roads with a high accident rate, photodetection cameras, user agendas and others that allow optimization of service time, displacement, congestion and accident rates.
* To strengthen grocery stores small business through the alternative mobility ecosystem in Colombia with a community “Last mile neighborhood” focused on the development of a logistics and delivery network based on a mobility system of goods and services transportation. All of that, to mitigate the environmental impact that are causing negative effects on the cities air quality and the dynamics of the chaotic traffic jam that have been causing for the excess of vehicles.
* Finding a shared mobility solution to implement in Renting Colombia

Contact: Laura Franco - lfrancob@rentingcolombia.com

**Grupo Unión is interested in Intelligent Traffic Infrastructure:**

* Extending capacity of the traffic light solution developed by Unión Eléctrica S.A. where artificial intelligence algorithms get designed to create better traffic dynamism and efficiency, integrating the Intelligent Traffic Light System with the support of noise sensors and video cameras for citizen security systems, in order to give priority to emergency traffic (police officers, ambulances, firefighters) and mass transportation.

Contact: Karen Muñoz - Karen.munoz@uniongr.com

**Protección is interested in objectively measuring people’s driving behavior:**

* Mesuring traffic accident rates by integrating behavioral sciences and technology solutions based on analytics, IoT, AI and Big Data

Contact: Ana Catalina Cadavid - ana.cadavid@proteccion.com.co

Tomas Rozo Mora - tomas.rozo@proteccion.com.co

**NUTRESA is interesting in sustainable mobility:**

* How can Nutresa contribute to a more sustainable mobility (better mobility, less pollution, and more competitiveness) in the cities where it operates, taking into account its current primary and secondary distribution model?

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**Summer TIC is interested in the following topics:**

1. **IoT devices**
* Installation and operation, in our region (Boyacá), of IoT devices for monitoring, control and early warnings to mitigate the effects of the environment through the implementation of intelligent software for climate prospecting.
* Currently we have problems of frost, rain, pollution and other phenomena that affect our cities, agriculture and quality of life.
1. **Development of an intelligent system**
* Monitoring the geographical and climatic conditions through specialized IoT devices and software.
* The goal is to analyze the detection of possible sources of water for its extraction and use in human consumption and in agriculture, or for optimization of existing sources,

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**Taxía Life is interested in implementation of intelligent mobility components. Application of big data, descriptive and predictive analytics for the taxialife platform:**

* Integrating technological tools to the core of its platform to automatically add thousands of data points generated by users when they request and use a taxi transport service from various sources.
* Using advanced AI and big data, in order to design new services based on the needs of users and companies. The platform also aims to be a next generation citizen engagement tool to attend to a broad spectrum of citizens and their priorities.
* With the implementation of these technological tools, Taxia life plans to reach the international market in countries like Mexico and Brazil

Contact: Gaby Muñoz - gaby@taxialife.com

**Andercol is interested in the following topics:**

1. **The implementation of adequate washing cooking oil PET bottles technology assuring low water consumption and using environmentally friendly products**
* How can we clean/wash PET bottles used as packaging for cooking oil guaranteeing low or any water consumption and using environmentally friendly products in the city of Bogotá and the Caribbean Region?
1. **Chemical recycling**
* Depolymerizing and repolymerizing PET bottles to obtain (1) recycled PET resins identical to virgin resins to be recoincoporated in the packaging industry and (2) unsaturated polyester resins that are used to promote sustainable mobility in different industries such automotive, nautical and rail, industries where Andercol is already the leader.
* How can we depolymerize and repolymerize coloured and cooking oil PET bottles to obtain recycled PET resins identical to virgin resins to be reincorporated in the packaging industry?

Contact: Angela María Vanegas Correa, Research, development and innovation Director- angela.vanegas@andercol.com.co

**Grupo ISA is interesting in the following topics:**

* How to improve road safety and reduce the rate of incidents, generating communication between the vehicles and infrastructure (V2I)?
* How to monitor the changes of biotic ecosystems (tree growth, proliferation of animal species and water reserves) applying image analysis technologies?

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**Grupo de Energia de Bogotá is interested in the following topics:**

1. **Smart Mobility Infrastructure**
* Development of a planning tool or model that allows the Secretariat to optimize the location of incrementally-deployed charging infrastructure and to model the impact of public mobility policy instruments.
* Low-cost power and gas smart meters and applications: Hardware or software-based solutions that enable a remote and efficient meter reading process for low to medium income (power and gas) utility customers.
1. **Sustainable Mobility**
* Developmnet of adata-based tool that allows the estimation and prediction of energy use and loss due to traffic congestion and its sensitivities to changes in conditions and controls driven by policy instruments
* Promoting the adoption of sustainable alternatives to gasoline fueled vehicles,
* Providing citizens with quality information via a publicly accessible web-application that allows users to compare the benefits and ownership costs of an electric vehicle (or cost to retrofit a gasoline vehicle to use natural gas) relative to a gasoline-fueled vehicle, considering the monetary and non-monetary benefits provided by the local and national
* Mass adoption of sustainable mobility alternatives: Digital solutions for citizens (e.g., web app, mobile apps, information platforms, comaprison tools, subscription programs) that foster the mass adoption of sustainable mobility alternatives to liquid fuel-based vehicles including electric and natural gas vehicles.
1. **Smart Homes**
* Solutions for residential, commercial, and industrial customers to manage their energy (power and gas) consumption empowering them with more control over their utility bills, both over the short term (apps, marketplaces, IoT, digital solutions, customer engagement programs, etc.) and/or long term (investments in distributed energy resources).

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**Supported activities** may include piloting, testing (of different kinds; including in real-world conditions), validation, performance verification, device iteration, product and interface customization, pre-pilot activities, R&D activities needed for the pilot, identifying the parameters of the product/technology and potential use cases, optimizing user interfaces, support and assistance to develop business models for the selected lines of work and technologies, etc.

**Support Offered**

Successful Israeli applicant companies will receive funding from the IIA and in-kind services from the Colombian corporations.

**The IIA would support approved R&D performing companies, registered and operating in Israel, with a grant of up to 50% of the approved Pilot Expenses Budget**, according to its regulations and procedures.

When a project eventually results in sales of a product, service, or process, the financial support must be repaid by the Israeli companies in royalties to the *Israel Innovation Authority* according to its regulations. In general, royalties are paid at rates beginning at 3% of sales, depending on various criteria. Royalties are payable until 100% of the amount of the grant has been repaid with interest as provided in the applicable regulations. If the project does not result in sales, no repayment is required.

The Colombian companiesmay cooperate with Israeli companies within the framework of this program led by Innpulsa and the IIA and could provide in-kind services, expertise, and/or use of facilities. Examples for such in-kind support can include:

* 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;
* Experts' and consultants' time to guide, co-develop and, identify the parameters of the product/technology for testing or potential use cases;
* 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 Colombian corporation's network.

An appropriate agreement between successful applicant companies and the Colombian corporations will need to be signed before project initiation and/or whenever the latter so requires.

**Contacts**

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