Company	Project name	Technology Sectors	Project description	Estimated total budget (USD)	Company's Commitment (Col)	Email	second email contact
Tronex	[Tronex Mobility](#)	Electric Mobility, Autonomous Mobility, Smart Mobility, Vehicle Technology	Tronex Mobility is a public-private-shared model created to build an ecosystem in sustainable mobility, through the "transport of energy" through the experience centers installed in strategic places in the city, where the user of electric vehicles with two wheels can recharge, park safely, repair shop and purchase vehicle parts as batteries and find different services such as city tours, bicycle rentals, consultancies, among others. The user can access this ecosystem through the application Tronex Mobility in which he will be able to locate the nearest center and the one that resolves his need instantly. This initiative seeks to prioritize trips on foot and trips on two wheels linking them to a digital platform that allows us to scale and enhance all the features offered by trips in electric vehicles, combining the generation of non-conventional or alternative energy, with the accumulation of energy and a post-consumer program, becoming a truly sustainable system from its concept	USD $500,000	Cash: USD 50.000 In Kind: USD 200.000 Tronex will provide the following expenses: - Freight. - Insurance. - Payment of Servers and Internet, amplification of the scope in the development of open technology platform for IOS, Android. - Electric bicycle stations. - Monitoring and reports. - Electronic developments, programming card. - Travel expenses. - Transportation. - Prototyping and 3D printing. - Equipment and Calibration. - infrastructure in experience centers. - Logistic operation. - Security and control consulting. - Recharge systems- - Closing of the battery cycle in tronex Mobility points, waste management (circular economy).	Gabriel Ricardo Bolaños G <gabrielbolanos@tronex.com>	Jaime Andres Moreno Betancur <jaimemoreno@tronex.com>, Natalia Alvarez <nataliaalvarez@tronex.com>

| Netux | [Medical Emergencies Cognitive System] | Artificial Intelligence; Smart City | The project is an integrated platform for the management of medical emergencies in a centralized cloud system. This platform allows to capture, register and integrate data resulting from the management and operation of an accident or an emergency situation, including the calling to an emergency dispatch office, the geolocalization, the first response and PHEM activities, patient information and teleassistance by an specialist, triage process, hospital resources allocation, communications and traceability between all the stakeholders of the HealthSystem. The system is already operating in Medellín and it will be scaled to other cities. The new technological levels (our challenge) are cognitive layers, with Artificial Intelligence that provides speed and effectiveness to the process, addressing and/or recommending automatically in real time, the next steps in the attention of the emergency, through the application and correlation of decision variables such as patient | USD $300,000 | In Kind: USD 100.000

Three (3) development professionals
One (1) professional in project management
Use of physical space (NetuxLab)
Use of computer equipment (with their respective licenses) | Carlos Franco <nuevosnegocios@netux.com> | Juan Londoño <juan.londono@netuxtecnologia.com> |

EPM	[Smart services for road concessions](#)	Energy, street lighting, smart buildings, distributed energy resources (DER), data analytics, and smart transportation.	EPM operates around 140.000 lamps in the street lighting operating business in Colombia and it is developing a new line of services of smart lighting solutions for Smart Cities. The logical next step for EPM, is to develop smart services for road concessions, using the experience of the company in cities and road lightning concessions and taking advantage of the opportunity of the important growth of road concessions in Colombia. This project is focused in the Palmas road concession which connects the city of Medellin with the international airport of the city, where EPM is currently responsible for the lighting operation and maintenance. The project will deploy a smart lightning solution with smart mobility services giving information in real time to authorities and citizens to reduce and solve typical problems in the road such as: Accidents Overspeed Traffic jumps The solution should give enough	USD $2,000,000	In Kind: 1.000.000 Local technical support, use of our infrastructure of laboratories, equipment and plants.	JUAN PABLO ORTEGA IPUZ <Juan.Ortega@epm.com.co>, EUGENIA MARIA DUQUE MEJIA <Eugenia.Duque@epm.com.co>	CLAUDIA EUGENIA DURANGO URREGO <Claudia.Durango@epm.com.co>, VIVIANA KISNER MIRA <VIVIANA.KISNER@epm.com.co>, FABIO ANDRES VASQUEZ TORRES <FABIO.VASQUEZ@epm.com.co>, GIOVANNI DE JESUS MARIN AVALOS <Giovanni.Marin@epm.com.co>, CLAUDIA PATRICIA GOMEZ DAZA <CLAUDIA.GOMEZ.DAZA@epm.com.co>, ANDRES RESTREPO SANCHEZ <Andres.Restrepo@epm.com.co>, Juan Camilo Cardona Posada <Juan.Camilo.Cardona@epm.com.co>,

| Internexa | Optimization of natural resources through smartcities | IoT, Analytics, Artificial Inteligence, Systems integration, Machine learning and Robotics | Internexa have been seeking to optimize the use of natural resources by minimizing the losses of those through the proper management and measurement of the assets distributed throughout the city used by energy, gas and water companies for its distribution processes to consumers. Internexa is looking for technologies such as IoT, analytical and artificial intelligence that can be complementary to traditional management systems. We look for an IoT business partner that allows us to obtain the necessary technology for the capture, transmission, storage and data processing through analytics tools (like Splunk). Our objective is to provide some dashboards and business reports for our final costumer. It is required that it be integrated with operation and maintenance plans of the target companies. | USD $600,000 | Cash: USD 140.000 In kind: USD 160.000 Specialist personnel in product development with dedication of 10% of their time to the project. Engineer of products with dedication of 20% of his time to the project. Budget for the implementation of laboratories for R & D and project deployment for USD 140,000 | JUAN CAMILO RUIZ BENJUMEA <jcruiz@internexa.com> | FABIO NELSON ARIAS VERGARA <farias@isa.com.co> |

Hiroki 360, Tratam	Monitoring, control and counting of passengers in public service vehicles	Digital City, Information City, Public Safety.	Through the technology identification of people in a space, visually with cameras and / or transmitters and receivers of radio waves and the application of AI, implement a system of monitoring, counting and control of passengers, for transport vehicles collective public in Colombia, which allows transport companies to provide a better service in relation to supply and demand, user experience and road safety management. In addition, this form is providing passengers with safe routes where the overcrowding and cost overruns are being eliminated as a result of the insurance that must be included, the information and data that will be delivered to the city to be integrated into the systems. Massive transportation benefits waiting times and transit adding value to set up a smart city.	USD $500,000	Cash: USD 62.500 In Kind: USD 187.500 Freight Insurance Payment of Servers and Internet. Operation, mechanical man hours. Development of Prototypes. Travel expenses. Transportation. Equipment and Calibration. Evaluation and Feasibility Reports of the Project. Operation, Electronic Workforce.	Hiroki 360 <desarrollohiroki360@gmail.com>, tratam gerencia <transportestratam@gmail.com>	hiroki 360 <hiroki360g@gmail.com>, Gabriel Ricardo Bolaños G <gabrielbolanos@tronex.com>, Jaime Andres Moreno Betancur <jaimemoreno@tronex.com>, Natalia Alvarez <nataliaalvarez@tronex.com>, PROYECTOS HIROKI <proyectos@hiroki360.com>