

**ITALY AT
SMART CITY 2022
FERIA BARCELONA GRAN VIA, 15 - 17 NOVEMBER
HALL P2 - STAND 65**



ITALIAN TRADE AGENCY

ICE - Agenzia per la promozione all'estero e
l'internazionalizzazione delle imprese italiane

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ICE - Agencia Italiana para el Comercio Exterior
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ITA - Italian Trade Agency is the Governmental agency that supports the business development of Italian companies abroad and promotes the attraction of foreign investments in Italy.

With a motivated and modern organization and a widespread network of 79 office in 65 countries, ITA provides information, to foreign companies willing to establish business relationships with Italian partners.

In the framework of the Italian industrial system, the technologies applicable to the development of the smart cities are characterized by their innovation: ideas and experiences to be reproduced in order to create a network of subjects that can promote innovation in the territories, energy efficiency, sustainable mobility, digital agenda, social innovation, urban governance. The Italian Trade Agency has always been at the side of the Italian companies organizing Italian pavilions at the main international trade shows, visits to Italy by businessmen, workshops and seminars abroad presenting Italian technologies and ideas.

ITA also provides assistance, consulting, promotion and training to Italian small and medium-sized businesses. Using the most modern multichannel promotion and communication tools, it acts to assert the excellence of Made in Italy in the world. Our Madrid Office is the ideal gateway to Spanish and Portuguese marketplaces.

At Smart City, Italy is represented by twenty-eight companies and, in order to emphasize their participation, we have defined a detailed activity plan, including this brochure whose purpose is to get visitors with an easy reference tool to identify the exhibiting companies and provide useful information for future reference.

On this occasion I wish you all the best, being certain that Smart City will be the best opportunity to further develop and enhance the relationship between you and the Italian companies of the smart city technologies sector.

Giovanni Bifulco

Director of ICE Madrid Office



ICE, Agencia italiana para el Comercio Exterior, es una organización gubernamental que promueve la internacionalización de las empresas italianas, de acuerdo con las líneas estratégicas del Ministerio de Desarrollo Económico.

La Agencia italiana para el Comercio Exterior facilita, desarrolla y promueve las relaciones comerciales y de negocios entre Italia y los mercados extranjeros – prestando una especial atención a las necesidades de las Pymes, sus consorcios y asociaciones – y apoya la exportación de bienes y servicios “Made in Italy” a los mercados internacionales.

La red ITA, a través de su sede central en Roma, una oficina en Milán y una red mundial vinculada a Embajadas y Consulados, ofrece información, asesoramiento, promoción, formación y cooperación en los sectores de la industria, bienes de consumo y servicios.

La Agencia italiana para el Comercio Exterior colabora con las Regiones italianas, Cámaras de Comercio, Asociaciones industriales y de Comercio y con otras organizaciones públicas y privadas.

Las empresas extranjeras que deseen más información sobre productos, servicios o empresas italianas pueden visitar:

www.ice.it/it/mercati/spagna/madrid

Cada año, la red mundial de oficinas ICE lleva a cabo cientos de proyectos promocionales y ofrece servicios personalizados y asesoramiento a miles de empresas italianas. La Agencia italiana para el Comercio Exterior también ayuda a las empresas extranjeras que deseen establecer o ampliar negocios y relaciones comerciales con empresas italianas o invertir en Italia.

Los principales servicios que ofrece la Agencia italiana para el Comercio Exterior a las empresas italianas para incrementar el flujo de exportaciones e inversiones entre Italia y el resto del mundo son:

- Información y asesoramiento.
- Estudios de mercado y de sectores.
- Búsqueda de socios comerciales.
- Visitas a ferias internacionales y distritos industriales.
- Apoyo a las inversiones en Italia y en el extranjero.

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Asymmetrica is an innovative start-up whose main activity is concept, design, and development of new electronic and informatic systems in the Internet of Things (IoT), Smart City, Smart Building, Smart Industry, and Smart Agriculture sectors.

The phases of concept, design, and development are followed by those of manufacturing industrial prototypes, production and marketing of innovative “Smart” systems.

Asymmetrica uses the analysis of data, big data, IoT sensors and human sensors to create efficient mathematical models of predictive algorithms that allow to evaluate measures in advance to counter and / or to solve issues in a new and unique way. For this purpose, Asymmetrica has developed CityCONN, a solution cockpit for smart cities, buildings, industries and agriculture.

CityCONN integrates information from different sources and devices into an unique technological platform to perform out monitoring, analysis and forecasting activities, and represents the smart strategy for a cleverer decision-making process, supporting public entities and private companies in their digital transition towards creating connected and sustainable environments.



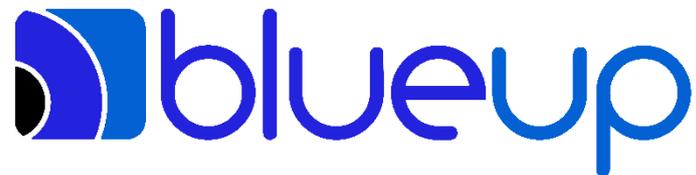
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The Blimp Analytics platform, through proprietary technologies and sensors, measures urban mobility in real time in indoor and outdoor environments, providing data on the flow and classification of pedestrian and vehicular traffic, as well as other specific insights according to the applied use cases. All in full compliance with privacy regulations.

The extrapolated data form the basis of Smart City applications that are aimed at municipal administrations or supporting companies, with the aim of increasing cost efficiency, improving the quality of life and public services, or creating new services for citizens.



BlueUp

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BlueUp is an innovative SME, founded in 2014, active in the design, development and production of devices, systems and solutions for automatic identification, localization, indoor tracking and distributed monitoring of physical and environmental parameters. BlueUp is a member of the Bluetooth SIG and produces devices certified for the market main standards in the Bluetooth LE field: iBeacon, Eddystone, Quuppa (RTLS based on Angle-of-Arrival), Wirepas (wireless mesh networks).

BlueUp has recently launched MeshCube, a unique solution for the Healthcare, Industry 4.0, Logistics and more in general Smart Buildings and Smart Cities markets.

MeshCube is a wireless mesh network of battery-powered smart devices that allows to enable tons of different services:

- location of people and assets inside the building identification of alarm events (call button, man-down, impact, fall)
- room occupancy
- monitoring of indoor climate, air quality and energy consumption
- management of fleets of Bluetooth LE beacons used for indoor navigation and wayfinding applications

MeshCube offers a single platform for managing new and innovative services for the smart and efficient management of buildings.



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CityZ is an innovative start-up with the aim of making cities a better place to live. To do this, it plans to start by solving one of the problems that afflict major urban centres, the difficulty of finding parking spaces, which, among other negative consequences, entails: increased traffic, reduced road safety, illegal occupation of reserved parking spaces, pollution, citizens' stress, loss of time, consumption of fuel and/or electricity.

CityZ, thanks to its patented ultra-thin sensors, easily installed on the road surface by gluing, safe thanks to its extremely small size and durable thanks to resistant materials and long-lasting batteries, is able to monitor the parking area and communicate in real time the status of the parking spaces thanks to its in-house developed IT system, to all entities and to the respective urban management and/or mobility apps, all of which can be completed with the provision of API.



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Ditech appeared on the European transport and mobility market in 2006. It was an immediate success.

All Ditech's products are designed, thought and manufactured in Italy, from hardware to software, from metal carpentry to the programming of electronic chips.

We have always believed both in the services provided and in the assistance for all our customers, never neglected since the beginning, always unrivalled.

Our customers' feedback helps us focus on the constant improvement of our products, continuously evolving and abreast with the times.

The range of our products, completely combined, allows you to enjoy the city life in the best way and to feel spoiled by technology without getting dependent on the evolution itself: our technology is essential, simple, reliable, safe.

Ditech is present in the major exhibitions, in the annual "Smart City" in Barcelona and in the biennial "Intertraffic" in Amsterdam.

We are looking forward to welcoming you, we will try to transmit passion.



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Energia Europa is an Italian company since 1999 with headquarter, R&D and production unit in the North East of Italy and distribution in all the country and in a number of relevant international markets.

We develop and produce advanced technology to allow companies and public administration to reach significant levels of energy efficiency and saving, and we contribute with our products to the protection of the environment.

Our E-POWER is a smart Green Technology and consists in a PATENTED FILTER that reduces DISTURBANCES and LOSSES, acting mainly on the CURRENT waveform, useful for OPTIMIZING the energy consumption, DECREASING the downtimes and REDUCING greenhouse gas emissions.

Our E-LAMPSY line is a state of the art LED systems for smart and safe cities.



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Eurocomitalia was established in 1995 after more than 20 years of craftsmanship experience in the lighting and urban street furniture field.

We are among the leading manufacturers thanks to twenty years of experience and our own cast iron foundries; we are able to produce any type of aluminum or cast-iron element. We are specialized in the construction of models, relying on our expert craftsmen to build them. The various iron castings are made using traditional materials, expertise craftsmanship and fine design. We are a reference point for companies, government organizations and private businesses, providing our clients with all the modern projecting technology necessary.

From 2020 start production of smart city equipment like smart bench, smart bin, signage totem etc projected and manufactured 100% in Italy. An assortment of STRONGPLAST (heterogeneous plastic) playground equipment and different furnishings, complete our vast array of outdoor products. Government organizations, authorities, and businesses of all kinds do not hesitate to contact us for further information or project planning advice.



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EVOLVO - innovative Start Up. Do you really want to increase sustainability? Are you ready to choose smart mobility for your daily trip? Yes? Great! And why don't you do it?

Too much lack of facilities and too much complicated find a charge infrastructure, ok. No more alibi, we have the solution for a real Smart sustainable mobility with an intelligent protection and an integrated charging system. All-in-one: Charge box + connection cable evo-plug® + evo-box on a bike + evo-App. We have explored the market during the years, spent a lot of time on the roads and done hundreds of kilometers with our e-bikes across the cities and countryside. We know the matter.

Our team has solved user needs in a very smart way and now our technology makes smart and enjoyable daily urban mobility. If we want to drive the change we need to offer an easy way to reach the goal. We implement in our system safety, security, charge, easy management and tracking, Why stay without it? No more time spent to surveil your bike, no more stress to charge your e-bike. Our competitors offer efficient solutions in each different field: chain lock, tracker, charger. But there isn't another fully integrated system, compatible for universal installations and ready to create hybrid fleets starting from your personal ebike for a really smart city. There will be a new era for the smart lock devices and charging system. Thousand of potential customers.

Yes, We have the skills to design, develop and test advanced solutions in IoT and Mechatronic field. But we are first of all passionate and visionary. We believe this, we do this.



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Since 1997 in Italy, we manufacture MID approved water meters according to Dir. 2014/32/EU with metrologic performances currently reaching up to R1000.

In order to meet the technological evolution, we have developed in our electronics laboratory Smart Meters with radio modules based on various protocols:

W Mbus OMS, LoRaWAN, NB-IoT, double stack LoRaWAN / W Mbus with automatic switch. These devices include monitoring sensors for temperature, parking, and waste collection management.

Our supply chain from raw materials to molding, assembly and testing is strictly Made in Italy, guaranteeing therefore the highest quality.

Our mechanical Smart Meters allows the continuous upgrade by easily replacing the radio module with an improved one in terms of firmware, protocols, radio frequencies and special customizations, or by replacing only the water meters.

Beside the production line, we have our Internal Laboratory UNI CEI ENISO / IEC 17025 certified. Our main mission The Value of Metering, is achieved by combining the optimization of our production according to the international standards with an accurate customization in order to support the Water utilities in technical and operational terms.



GreenShare

GreenShare

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GreenShare works in the Information Communication Technology (ICT) field. We design, develop and manage cutting-edge software applications based on advanced infomobility, ticketing and electronic payment systems. We support public transport companies throughout their digitization process to encourage their competitiveness on the market.



Italian Technology Cluster for Smart Communities

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The Italian Technology Cluster for Smart Communities is a national association with over 150 partners (from the industrial, research and public administration worlds) that collaborate in the development of innovation projects for the management of urban and metropolitan areas, in particular in the following topics: smart and collaborative mobility (intelligent mobility of goods and people), smart and secure living (urban security, protection of the territory and critical infrastructures, prevention of critical or risk events, IT security of data and their use), smart and inclusive government (relationship between public administrations and citizens, participation and social inclusion, processes and service management). Established in 2012 by MIUR as part of the national specialization strategy, the Cluster in 2017 is further recognized by the Ministry as a coordinator of industrial research policies at national and local level and for the development of territorial competitiveness.



LAA - Lorena Alessio Architetti

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Lorena Alessio

LAA - Lorena Alessio Architetti is an architectural firm based in Torino, Taichung, New York. The office is distinguished by its multidisciplinary approach to master planning, architectural design, landscape design, interior design and brand identity. LAA has been internationally recognized and exhibited.

Among LAA works we find luxury hotels, high-end residential buildings, office buildings. LAA focuses on innovation and technology, and in 2021 the office won the First Prize from the Agency of Energy and Sustainable Architecture with E.Vigolungo Showroom and Offices. LAA was exhibited in Venice at the 16th International Architecture Exhibition - Italia Pavilion with an experimental work in prefabricated plywood realized in Accumoli, answering to the severe earthquake of 2016.

The office was founded in 1999 by Lorena Alessio, architect and PhD of Engineering at Nihon University, Tokyo. Lorena has a long experience in research on urban settlements.

Last publication is "Entropic Tokyo" with key elements to be applied to contemporary Urban Design.

Lorena has been teaching Architectural and Urban Design at universities in Italy, Japan and Taiwan.



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Latitudo 40 is a spin-off company of University of Naples and has a team with over 20 years of experience on the market of remote sensing technologies. Combining these two factors has shaped Us as an innovative image analysis and artificial intelligence skilled company, deriving technical and scientific background from the Academia and combining it with industry-based competencies. Latitudo 40 has focused its research and development efforts to complete a fully automated and flexible solution to apply AI/ML algorithms to satellite remote sensing images, with a particular focus on urban planning applications and environmental and hydrogeological risk analysis. UrbAlytics project aims to create a new city digital twin based on earth observation satellite data, artificial intelligence, local open and private data. The service offers a useful support tool for urban planners, social and economic services offices and the environment/territory offices, to make "evidence-based" decisions.

Our Urban Data Platform (UDP) enables digital technologies to integrate data streams via open standards within and across city systems and public and private sector city infrastructure. In a matter of minutes, an interactive map of the city, with a high level of detail reducing costs and data production time (our motto is "From months to minutes"), can be accessible for further exploitation, visualisation and modelling in a comprehensive, reliable and cost-effective manner. Our Solution can enable participants in city ecosystems to contribute to the triple bottom line of a city.



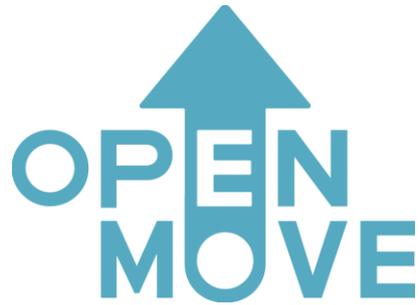
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Mindicity S.r.l. S.B. was created in 2021, following the spin-off of a business unit by fabbricadigitale S.r.l. In May 2022, Olivetti (Tim Group) enters as a majority shareholder to strengthen the Tim Urban Genius offer. Products:

- Mindicity: It is the horizontal platform of Urban Intelligence, able to receive Big Data from any area relating the management of a city, in order to obtain monitoring, analytical and predictive functions to offer "Smart City" services, thanks to the 'Big Data analysis and the use of AI. Some Application Packages are available for vertical solutions such as Maas.
- Fluxity: Advanced AI framework for analyzing any type of mobility flows from dedicated or generic cameras. It provides advanced classification, tracking, direction, speed, behavior and pattern functions. It allows to work both in edge computing and in the cloud.
- Smart Road: Version of the Mindicity and Fluxity platform for smart road environments. It addresses the issues of C-ITS, including communication with Datex and Netex protocols. It enables the dialogue functions with the RSU and between the RSU and the OBU on both G5 and 5G standards.



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OpenMove provides ITS software services and technologies for MaaS projects. All services are provided through the OpenMove Suite, a white-label MaaS platform that includes the modelling / integration of mobility services, intermodal journey planner, on-demand transport, Account-Based ticketing, payment and clearing.



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Park Smart is an innovative SME that has created a powerful and flexible HW-SW platform to optimize urban mobility through deep learning and Artificial Intelligence technologies.

Park Smart has developed a powerful IoT - AiSee capable of processing video streams in real time in full compliance with privacy and the GDPR. The patented infrastructure can host numerous CV software both developed internally and by third parties so as to be adaptable to numerous macro areas: logistics, smart city, energy efficiency, industry 4.0 etc. CV software already developed for this platform are:

- Parking detector - a system capable of recognizing parking events that occur within the camera's field of view (of trucks, cars, motorcycles, etc.), whether indoors or outdoors
- Queue detector - a system for recognizing vehicles within one or more lanes, tracking them to places of interest (trucks entering and exiting interports, ports, etc.)
- Dock detector - a recognition system for boats docked at the dock.
- People Traffic management - a system for recognizing the distances between people present within the camera's field of view and based on the positioning of the camera, the presence and good positioning of the mask.
- Flow management - a system for recognizing work units within a production area, in particular for prototyping activities. This system identifies the quantity of man hours used in each machine to evaluate the production cost of the finished product.

Piemonte Agency



Piemonte Agency

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Piemonte Agency is the first Italian organization dedicated to inward and outward internationalisation.

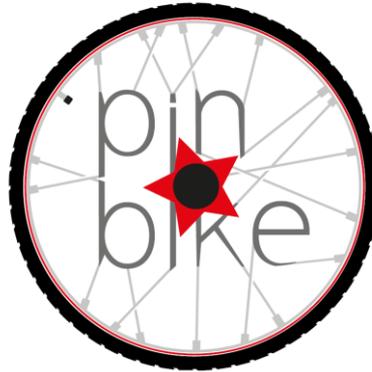
The Agency is the one-stop-shop to make business in Piemonte and supplies top class free, responsive and tailored services to:

- Local companies willing to make business abroad
- International companies willing to invest in Piemonte

At Smart City Expo 2022 international players can know more about Piemonte Region and find the competences and solutions of 7 innovative SMEs: Cityz, Evolve, G2 Misuratori, LAA Lorena Alessio Architetti, Sertec Engineering Consulting, Trigenia, Waterview. These companies are active in: Urban integrated smart mobility, water metering and monitoring, architecture and sustainable building, engineering, and consulting, energy efficiency, digital monitoring.

The participation in Smart City Expo 2022 is organized by Piemonte Agency on behalf of Regione Piemonte.

Pin Bike - The anti-fraud system to reward users for bike to work activity



Pin Bike

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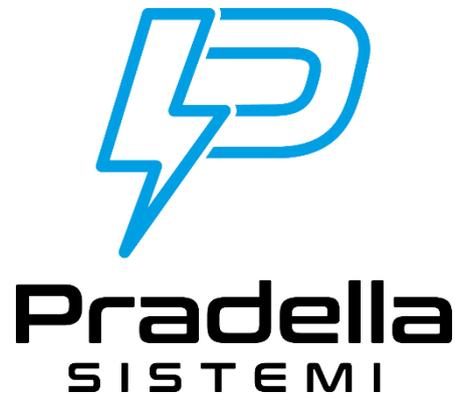
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Pin Bike is the anti-fraud, patented and certifying system that allows a municipality (or even a company or a school) to be able to issue kilometre-based incentives (in bike-to-work and general journeys within the urban perimeter) to users/citizens who use their own bicycles for urban travel.

The technology is anti-fraud thanks to the patented Pin Bike hardware device that is mounted on each participant's bike. Pin Bike also incentivises proximity commerce as the voucher given to the citizen by the participating municipality can only be spent in commercial activities in the city.

The system has been activated, among others, for citizens of the municipalities of Bari, Bergamo, Pescara, Foggia and for workers of the AUSL Bologna and Policlinico Sant'Orsola. In 2022, the project was financed by the EIT for Urban Mobility for pilots in the municipalities of Istanbul, Tallinn and Braga.

The Municipality of Bari (active from May 2019), issuing up to 20cent per km, seeing the important results has decided to make the measure stable and extend it to every citizen who wants to join.



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We are the perfect partner for Smart Cities and Smart Lands projects.

We are also specialized in cardiac protection, electric charge, and landscape valorisation fields.

We were born in 2015 as innovative Start-up in Bergamo County.

Thanks to the Bergamo Camera di Commercio we have increased our knowledge rapidly and in a few years we started some partnerships with important public institutions and private companies. Nowadays we are classified as a small/medium innovative company and we have completed more than 400 active installations and 2 equity crowdfunding campaigns.

Pradella Sistemi is composed by 40 shareholders, and our R&D program has registered 7 patents. Some of them are already placed in our product and in our installation in the EU area and in two extra EU countries.

We produce Charge Points, electric and slow mobility charging solutions and a high technological smart urban design project. Our task is to simplify the public administration/companies management process, in order to give different useful services with a high social impact and a small products catalogue.



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“In the burned field I saw a house made of straw: only by changing the way we look at the world, we will have the opportunity to truly change it”.

Ricehouse Benefit Corporation began its journey as startup in 2016 with the goal of creating a positive impact on society by promoting a responsible change.

Ricehouse is the link between the enhancement of raw materials and their application in the construction industry.

A complete example of circular economy that provides a solution to environmental problems connected to treatment processes, by proposing a range of building products from rice by-products recycling.

Innovation and technology research allowed the creation of bricks, insulating panels and plasters, which come from rice straw.

A durable alternative to face demand for extractive resources.

**Sensoworks**

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Sensoworks is the infrastructure monitoring platform. Collects, monitors and interprets data from sensors connected to infrastructures such as bridges, tunnels, buildings, water networks. It connects to all sensors to allow the configuration of the infrastructure and all its customizations. Once configured, all sensors are monitored in real time, data is collected, recorded and securely structured to be analyzed by machine learning algorithms. Sensoworks can be easily configured to set up automatic actions based on the data collected and the analyzes performed. It allows the generation of highly configurable reports that can be stored in the blockchain. Sensoworks is proposed as a technological innovation in the infrastructure monitoring market.

The results obtained to date show how a technologically advanced platform has become a fundamental part of the monitoring processes. Road, water network operators and multi-utilities are able to easily include the Sensoworks platform into their monitoring and intervention processes, improving them thanks to the introduction of a system capable of monitoring in real time, acting independently upon the occurrence of certain conditions.



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SERTEC Srl was founded in 1968 as an engineering consulting company for the execution of technical and calculation services in the field of civil engineering, plant engineering and environmental engineering.

Born from an idea of Engr. Antonio Migliasso, former director of the Olivetti Projects Office, SERTEC's origins root in the glorious Italian industrial history: many of the most prestigious names of the international architecture - such as Louis Kahn, Ignazio Gardella, Carlo Mollino, Luigi Cosenza, Marco Zanuso, Eduardo Vittoria, Roberto Guiducci, Roberto Gabetti, Aimaro Isola, Renzo Piano, and many others – collaborated with the company and played a fundamental role in the design of the structures and systems of new buildings in Italy and all over the world.

Thanks to decades of experience, extensive internal organization and a team of first-rate specialists, SERTEC today can offer public and private clients a wide range of services, managing every aspect of the entire building process: from design to calculations and direction of works in the fields of civil engineering, architecture, urban planning, hydraulics, plant engineering, geotechnics, environmental aspects, renewable energies, up to the delicate sector of safety coordination on workplaces.



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Technical assistance to governments and municipalities in constructing smart cities creating new models in the following fields of e-governance and e-democracy; environment, energy, urban planning, infrastructure, social, health, agriculture, industry, tourism, training, education/education, research and development of new techniques and a smart technologies in the above sectors with new digital technologies with the objective of accelerating the ecological and digital transition. Digitization, innovation, competitiveness, and culture; green revolution, infrastructure for sustainable mobility; instruction and research; inclusion and cohesion; health.



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SNAP4 offers interoperable, flexible and modular solutions, with the aim of exploiting any kind of data to produce analysis algorithms, dashboards and applications for decision-makers, citizens and industries, in a simple and affordable way.

Snap4 solution is a 100% open-source platform used in many cities and areas. It is an official FIWARE Platform and Solution developed under the coordination of DISIT Lab of the University of Florence, Italy. The platform is provided “as a Service” basis, or installed on premise, no licence fee is needed, and facilitates a wide range of activities in the smart cities and IoT/loE (Internet of Things/Internet of Everything) integrated domains: defining city strategies, implementing control rooms, realizing ethics and explainable artificial intelligent solutions and computing key performance indicators which are used daily in both city and industry management, setting up vertical solutions, harmonizing all legacy solutions in place. It provides a complete understanding of the context and its trends, receiving early warning, anomaly detections, and performing simulations, early warnings and what-if analysis.



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To70 is one of the world's leading transportation consultancies, mainly focused on aviation, providing research and advisory services to the global aviation community. To70 was founded in the Netherlands in 2000 and has since expanded with offices in Europe, Asia, Australia and the Americas.

We believe that society's demand for transport and mobility can be met in a safe, efficient, environmentally friendly and economically viable manner. To achieve this, policy and business decisions have to be based on objective information. With our diverse team of specialists To70 provides pragmatic solutions and expert advice, based on high quality data-driven analyses. Our main mission is to enable aviation and society to cope with current and future challenges for airport and airspace operations, by delivering outstanding research and consultancy services, profitably.

We are an heterogenous team, including engineers, architects, air traffic controllers, former airport managers, safety experts, with more than 20 nationalities. With this unique mixture of skills and cultures we understand critical needs and help our clients achieving their objectives.



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Trigenia is an Energy Service Company (ESCO) that helps industries in every step of the energy, digital and financial transition. With a multidisciplinary approach, Trigenia is able to develop customized solutions for each company, realizing highly innovative and financially sustainable actions, through the implementation of integrated solutions and new digital technologies. Thanks to its experience, helps industries in every step of the energy transition, and in managing the challenges of sustainability and reduction of environmental impacts.

Trigenia is a technical and financial advisor for the management of PNRR projects. The core business is a synergy of energy, digital and financial skills, perfectly integrated into a single partner, with the aim of sharing with companies the economic benefits related to the efficiency results achieved. A dynamic reality, which is characterized by its constant activity of Research and Development and with a strong partnership with the main institutions.



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Waterview drives digital transformation to climate actions. We help communities to fight climate change by reusing surveillance cameras as environmental sensors, able to collect real-time information on heavy rainfall, flooding, snow, fog, and smoke.

Our weather analytics are edge native and can be used directly onboard smart cameras and the exclusive Climate Camera Kit, a plug and play edge IoT device that we developed in partnership with Eurotech to turn every existing camera into an eye on climate change.

**Wisear**

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In 2019, Wisear was born out of the ambition of 4 engineers at Politecnico di Milano to enable everyone in the world to breathe clean air. We believe that a problem that cannot be measured is a problem that cannot be solved, so we work to enable municipalities, citizens and businesses to measure and learn about air quality, creating actionable and solution-oriented data and information, and generating awareness.

Our solution is called ido. It is a full-stack air quality monitoring platform, ranging from deployment of sensors on the ground and data analysis to data visualization and decision-making support. More than 40 municipalities across Italy are already using ido to guide their sustainable land development policies. We have implemented citizen science projects in all major Italian cities (Milan, Turin, Rome, Bari). We are working with government agencies to carry out validation campaigns geared toward integrating our solutions and improving our models.



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