

**Sterna Innovation - [www.sternainnovation.com](http://www.sternainnovation.com)**

Engineering company with key expertise on sensors, electronic systems and cloud connectivity. Sterna presents its adaptable IOT sensor platform; it involves a network of sensor devices that can be customized, signal concentrator devices to reduce operating costs, and real-time visualization.



**Datision - [www.datision.com](http://www.datision.com)**

A CSIC and UPC spin-off specialized in the development and deployment of machine and deep learning algorithms. Their solution is the Street Machine, a predictive maintenance system auto adaptable to any electromechanical equipment, by capturing data and developing algorithms.



**Setitem - [www.setitem.com](http://www.setitem.com)**

Company focused on IOT, which offers tailor-made solutions. They present plug&play boards, which auto configure themselves, have their own hardware and can be programmed to the customer operations' needs.



**Wagtel - [www.wagtel.com](http://www.wagtel.com)**

Company focused on telecommunications adapted to IoT devices and blockchain technology. Their solution is a telecommunications system that uses long distance blockchain + LoRaWAN technology to provide internet for IoT devices using very little power.



**Code factory - <https://codefactoryglobal.com>**

Code Factory provides solutions to improve the way people interact with technology. Their solution is a software module for voice generation interfaces which can be integrated in most platforms used for IOT and Industry 4.0.



**Endepro - [www.endepro.com/es/](http://www.endepro.com/es/)**

Engineering company focused on service companies and production lines; they help organizations in their digital transformation with software solutions. They are presenting e-connect: a solution to bring machines into the world of industry 4.0 in just minutes. It detects malfunctions in machines and processes, by having information in real-time.



**Aline Precision - [www.alineprecision.com](http://www.alineprecision.com)**

Company specialized in the predictive maintenance of industrial machinery. They provide services within the Industry 4.0 and the IoT by monitoring the state of machinery in production plants through AI, together with a monitoring and management software and sensors.



**MCSystems - <https://mcsystems.es/es/>**

MCSystems offers technological solutions to automatize the stocking and managing processes. They present SILOMETRIC and FLUIDMETRIC, a lever sensor that uses laser and ultrasound technology for the management and control of solid and liquid materials so that the user can check in real time the status of stocks.



**Hedyla - [www.hedyla.com](http://www.hedyla.com)**

Technology-based start-up that has created a modular and customizable software based on AI, which allows the optimization of different logistics processes. It also carries out simulations of the supply chain, to improve operations.



**i2Cat - <https://i2cat.net/>**

i2Cat is a CERCA research and innovation center specialized in advanced digital technologies, such as 5G/6G, IoT, or AI and works to transfer its knowledge to the industrial sector, revitalizing it with innovative initiatives that improve efficiency and sustainability.



**Sigma Industrial Precision - [www.sigmaindustrialprecision.com](http://www.sigmaindustrialprecision.com)**

Experts in automated and smart electricity analysis, their technology allows the analysis of any machine or installation, no matter where is located, size or age. It studies more than 400 electrical parameters, performs continuous monitoring with real time sampling.



**CTTC - [www.cttc.cat](http://www.cttc.cat)**

Non-profit research institution specialized in terrestrial and satellite telecommunication. They present V2X EyeGuard; an online hazard detection system for driving applications, based on depth-camera vision, and levered by Machine Learning and V2X Technology.



**Smartech Cluster - [www.smartechcluster.org](http://www.smartechcluster.org)**

Catalan cluster that brings together more than 170 technology companies, linked to the development and deployment of enabling technologies for Industry 4.0 and Smart Cities. They promote and contribute to the improvement of the competitiveness of the Catalan intelligent technologies ecosystem.



**Eurecat - <https://eurecat.org/es/>**

Technology centre of Catalonia, primarily focused on applied R&D, innovative technology solutions, specialized training, product and service development, fablabs and pilot projects and plants. They provide advanced IoT solutions to a wide range of sectors.



**ModPow Engineering - [www.modpow.es](http://www.modpow.es)**

Company specialized on tailor-made IoT hardware solutions, focused on product design. Their solution, ModpoW AgriTechnologies, is a SaaS platform for professional agricultural producers. Through IoT it offers automated recommendations for water and fertilizer management. using a cloud platform



**Smilics - <https://wibeee.com/>**

Company specialized in the design and manufacture of integrated hardware and software solutions for the monitoring and management of electricity consumption in any kind of installation. They have four different solutions: split-core transformers, flexible current sensors, Wibeee® Meters and the Wibeee® 2Grid device.



**Disatec - [www.dagram.com](http://www.dagram.com)**

Company specializing in software solutions focused on the Industry 4.0 (IOT, AI, etc.). They offer artificial intelligence tools with application to control the consumption of energy resources in real time.



**CVC - [www.cvc.uab.es](http://www.cvc.uab.es)**

Center formed by the Generalitat de Catalunya and the Autonomous University of Barcelona, with more than 130 researchers specialized in computer vision. They offer Computer Vision applications in the field of autonomous mobility (connected vehicle) and Industry 4.0



### **Pickdata** - [www.pickdata.net/](http://www.pickdata.net/)

Manufacturer of industrial IoT solutions for the monitoring and control of machines and installations. They present eMOD; a DIN rail modular solution that includes power supplies, processors, etc. to create IoT devices in accordance with the specific needs of a project.



### **MobileKnowledge** - [www.themobileknowledge.com/](http://www.themobileknowledge.com/)

Company with hardware and software expertise, which provides consultancy, design and development services. They present the MK UWB Kit Robotics, a set of hardware, software and documentation focused on enabling innovative use cases on robotics systems such as drones or rovers using UWB technology.



### **AEInnova** - [www.aeinnova.com](http://www.aeinnova.com)

Spin-off of the microelectronic department of the Autonomous University of Barcelona. Aeinnova has developed the first batteryless, free of maintenance, long range wireless device for predictive maintenance, powered by harvesting energy from heat or wind.



### **Bookline** - [www.bookline.io](http://www.bookline.io)

Company specialized in the development of voice assistants for restaurants, through the latest advances in AI. They offer voicebots as a service to companies who want to grow with the help of automated telephone assistance.



### **3thinks** - [www.3dthinks.com](http://www.3dthinks.com)

Start-up focused on software development and distributive manufacturing, specialized in helping people with needs. They present 3 solutions: a 3D printed mechanism (ROBOT) for people in wheelchairs, a messaging service based on AAC (Augmentative alternative communication) and AAC with augmented reality glasses.



### **Retecycle** - <https://retecycle.com>

Spin-off of Augusto Bellini, dedicated to global textile solutions, with a focus on sustainability and circularity. Retecycle is a digital twin solution that, by using blockchain technology, aims to guarantee the originality, traceability, and dilution of textile raw materials.



### **Bloock** - <https://bloock.com/>

Deep-tech start-up specialized in providing blockchain solutions for cross-industry applications. BLOOCK is a SaaS that guarantees data integrity and authenticity in a simple, scalable and confidential way thanks to the use of blockchain technology, designed to easily integrate with any system or platform.



### **Thingtia** - [www.thingtia.cloud](http://www.thingtia.cloud)

Spin-off company of Opentrends. They present a ready-to-use IoT SaaS platform that controls sensors and actuators, which runs in an open and scalable architecture. It makes data sharing easier, while reducing specific technology, product and suppliers dependency.



### **Ctrl4 Enviro** - [www.ctrl4enviro.com](http://www.ctrl4enviro.com)

Company specialized in image sensors to detect and solve problems in urban environments. They present Acoustic Radar, a solution aimed at detecting and identifying the noisiest vehicles in town, and Qaire, a solution to measure pollution in extensive areas in real time.

### **Taxitronic** - [www.taxitronic.com](http://www.taxitronic.com)

World leading company in the research, design and manufacture of hardware and software for the taxi sector. They have developed taximeters with 5G/2G connectivity connected to a cloud platform that collects the daily activity of a taxi fleet to evaluate the service, and make decisions to improve mobility management in cities.

### **Bim6D** - <https://bim6d.eu>

Digitization company specialized in cloud computing. Their solution Powerbim is a digital twin platform that links digital models of infrastructures with static and dynamic databases to manage the life cycle of assets and integrate smart buildings in smart cities.

### **Zertifier** - [www.zertifier.com](http://www.zertifier.com)

Company specialized in blockchain technology. They have developed Zerticarbon, a Forestation-Digitalization-Monetization, which allows owners to manage healthy forests with maximum efficiency in terms of carbon capture, with transparency and reliability in the traceability.



### **Wavecontrol** - [www.wavecontrol.com/](http://www.wavecontrol.com/)

Company that designs and manufactures professional instruments to evaluate, measure and monitor electromagnetic fields (EMF). The three main lines of products are hand-held EMF meters (SMP2 and probes), LF and RF personal monitors (WaveMon), and indoor/outdoor EMF monitoring devices (MonitEM).

### **Iquadrat** - [www.iquadrat.com](http://www.iquadrat.com)

Company focused on software development, consultancy in wireless network planning and R&D. They offer automation-capable and customizable platforms in the IoT domain, for smart monitoring and building management. These platforms support different sensors and fuse their data to generate profiles.

### **Maxsens** - [www.maxsens.es](http://www.maxsens.es)

Start-up focused on health monitoring systems, through advanced IoT, DeepLearnig technology and AI. Maxsens is a modular IoT solution to monitor and analyze biometric information of musculoskeletal activities in real-time, thanks to the combination of biofeedback with AI and e-coaching.

### **Sitep** - [www.sitep.com](http://www.sitep.com)

Engineering company specialized in developing territorial solutions and providing customized ICT tools. They offer a IoT solution for firefighters. The system is boarded on a drone, for a real time vision, and it filters and locates hotspots by temperature, shows possible reactivation focus, and locates the firefighters and equipment displaced.

