



CATALOGUE

SPANISH PAVILION



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Fira Barcelona



PARTICIPATING COMPANIES

ALFRED SMART SYSTEMS

BARBARA IOT

CREATIO

GEEKSME

KUNAK

MESBOOK

NEKTIU

Hall 2

Stand E 541



The IoT Solutions World Congress is where real digital transformation happens. A unique event dedicated exclusively to joining IoT providers with industry in order to help the latter increase productivity via this disruptive technology.

- ⇒ It is expected that the Spanish IoT market will exceed 16 billion euros in 2018, with an annual growth of 20%, until 2020.
- ⇒ According to IDC Research Spain, 20% of Spanish companies have deployed IoT projects, of which 70% are considering expanding their IoT projects in the next 18 months

www.ametic.es/iot

AMETIC is the Spanish ICT Association. It includes Electronics, Information and Communications Technologies, Telecommunications and Digital Content Companies.

- ⇒ AMETIC defends the interests of Spanish businesses in a hyper-sector that is varied, dynamic and, with 30% of private R&D investment, the Spanish economy's most innovative sector with the highest growth capacity. Our constantly-evolving member companies are the key driving force for convergence towards the Digital Economy.
- ⇒ AMETIC represents a key sector for employment and competitiveness, with a major impact on Spain's GDP and excellent outsourcing possibilities for other production sectors. Its cross-cutting approach enables digitization of business processes for both product generation and offer of services. We represent a group of companies that leverage sustainable economic development, improve the competitiveness of other sectors, generate quality employment, raise Spain's export ratio and enhance the value of our country and its industry.

www.ametic.es internacionalizacion@ametic.es

Smart Home Intelligent Living



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ALFRED SMART



ALFRED
Smart Systems

Alfred Smart Systems is a specialist company in IoT solutions applied to Smart Buildings.

www.alfredsmart.com

AREAS WHERE IS IMPLEMENTED

Real estate sector, connected buildings and infrastructures.

TECHNOLOGIES

Voice assistant, automatism, Big Data, Connectivity, Artificial Intelligence or Machine Learning.

OUR SOLUTION

- IoT platform compatible with standard protocols of automation in the house, such as KNX, ZWAVE or Zigbee, which allows a CLOUD management of real estate assets from anywhere (remotely) for exploitation in different real estate sectors such as housing, hotels, apartments or offices.
- In addition, it includes compatibility with iOS or Android through an app, which can be downloaded from the corresponding Market Place, and with the latest technology in voice assistants such as Alexa, Google Home or Apple Homekit. All of them prepared for the different requirements of the real estate market.

MARKET DEMAND

New technologies for Smart Home cause the need to adapt them to the tertiary real estate market, generating new business models adapted to the needs of the clients. These clients are more technological and require greater connectivity with mobile technology and the new boom of voice assistant.

POTENTIAL MARKET

The potential market is the entire real estate sector. These technologies provide a transversal change that affects all the areas of the companies dedicated to this sector. The platform brings benefits to many points of the value chain, from improving the operation in the commercialization of newly built homes by opening the door of the different assets without the need to have keys, to the possibility of controlling a hotel room using a voice assistant.



BARBARA IoT

barbara

Barbara IoT is a Spanish startup that offers solutions for the lifecycle management of IoT devices. Barbara IoT has developed an operating system and a SaaS management control panel for Industrial IoT.

www.barbaraiot.com

AREAS WHERE IS IMPLEMENTED

Industrial IoT, Professional IoT, B2B, Agritech, Logistics, Manufacturing, Energy, Mobility, Infrastructure

TECHNOLOGIES

IoT, IIoT, Endpoint Security, IoT Security, Blockchain

OUR SOLUTION

Barbara IoT develops and markets the Barbara Software Platform, a **complete solution to start and manage industrial IoT deployments throughout its lifecycle**, which can be up to 15 years in this environment. It has two basic blocks:

* Barbara OS: based on Linux, it is a secure operating system optimized for industrial IoT devices. It contains the basic capabilities to integrate IT / OT environments and it is open for integrators or manufacturers that can develop their own applications on it.

* Barbara Panel is the administration dashboard designed for industrial IoT deployments made with Barbara OS. It allows to manage remotely and simply the provision, monitoring, updating, and deprovisioning of industrial

MARKET DEMAND

Barbara Software Platform is a product **oriented to the professional B2B segment**.

Its orientation is "cross-industry", and as such, it fits in a wide spectrum of markets in the process of digitalization. It is already tested in Agritech, Energy, Logistics and Mobility deployments. Currently we are searching strategic alliances with integrators and channel partners to scale in these markets. We are also looking for expanding to new markets such as Infrastructure management or Manufacturing sectors.

POTENTIAL MARKET

Barbara Software Platform is a "cross-industry" technology, and it fits in a wide spectrum of markets in digitalization process. **It is already tested in Agritech, Energy, Logistics and Mobility deployments**, Currently we are searching strategic alliances with integrators and channel partners to scale in these markets. We are also looking for expanding to new markets such as Infrastructure management or Manufacturing sectors.

Barbara IoT has its headquarters in Spain and a clear orientation to the European market.

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Creatio



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CREATIO

Creatio

Creatio develops y commercializes electronic devices and a web platform for acquiring, controlling and analyzing data collected from sensors and equipments.

www.creatio-control.com

AREAS WHERE IS IMPLEMENTED

Industry, buildings, energy and utilities and hardware developers.

TECHNOLOGIES

Development of IoT, LoRa and Sigfox products. Web platform to manage, control and analyze data and installations.

OUR SOLUTION

Designing, manufacturing and commercializing of electronic devices for IoT systems implementations: temperature, humidity, CO₂, lighting, presence sensors, I/O controls through wireless communications protocols as LoRaWAN and Sigfox.

Web platform developed to data acquisition from own manufactured products as well as any system of equipment in industrial, building or energy & utility area through communication protocols such as Modbus, M-Bus, Bacnet, Profibus...

Web platform goal is predictive data analysis and management of installations through direct real-time control and alarms and reports management.

MARKET DEMAND

Data acquisition in industry, building and energy is a must for reducing costs and increasing processes efficiency, so we offer products with a low-cost implementation to force a quick expansion of the technology.

POTENTIAL MARKET

Companies that want to watch their energy consumes and industrial processes, private residential and third sector in buildings in order to control or count energy management.

Companies of technological sector that need to develop electronic devices for their customers or products.

GEEKSME



We are Digital Transformers; specialists in IoT Technology, wearables and Big Data.

www.geeksme.com

AREAS WHERE IS IMPLEMENTED

.Healthcare, Lifestyle, Security, Tracking, Logistics & Transportation.

TECHNOLOGIES

IoT technology, wearable, modularity, bluetooth, BLE, BT mesh, WiFi, NB-1, LTE-M, LTE - CAT1, GPS, GNSS...

OUR SOLUTION

- We rely on different tools and state of the art technology for multiple scenario problem solving and we put it all at the disposal of everyone with our Universall technology.
- All of our solutions are unique as they are all designed from scratch. Our hardware and firmware development teams work with leading technologies in electronics and communications like BT mesh and NB1. Furthermore, the software solutions that we put at the disposal of end-users as well as those meant for bigger clientes allow for totally unique user experiences, being that one of our main concerns.

MARKET DEMAND

We have two clearly different approaches:

- **the consumer market (B2C)**, which demands specific solutions regarding daily activity tracking (fitness, sleep, environmental impact, sexual performance, etc);
- **the corporate market (B2B2C)** as well as industrial (B2B). The first looks for solutions that can improve their supply and logistics chains by strengthening their relationship with end-users. The latter, however, focuses on performance improvement for productive processes. Our Universall technology is meant to satisfy both business approach as well as end-users.

POTENTIAL MARKET

End-user (fitness, lifestyle, sleep, tracking, domotics), operators and carriers (communications, IoT), Industry (security, transport and logistics, healthcare, sleep, agriculture).

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KUNAK



Design and manufacture robust and accurate solutions for remote monitoring and control of critical parameters in real-time

www.kunak.es

AREAS WHERE IS IMPLEMENTED

Environment, Smart Cities, Water and Utilities, Industry 4.0, Intelligent machines.

TECHNOLOGIES

We design and manufacture robust and accurate solutions for remote monitoring and control of critical parameters in real-time to reduce costs, measure environmental impact and improve processes.

OUR SOLUTION

Kunak is an innovative solution to **deploy wireless monitoring systems whose ultra-energy efficiency characteristics and end-to-end critical system architecture** (from the environmental data analysis device to the platform cloud) **provide great advantages in isolated, remote and complex environments**, guaranteeing the robustness and integrity of 24/7 communications, which makes it a globally unique solution.

The Kunak AIR system measures the main greenhouse gases that have direct effects on climate change, it monitors air quality with the same accuracy as official stations with small scale devices at a cost 60 times lower.

MARKET DEMAND

Companies and other organizations need to monitor different parameters related to "air, water and land" to control potential pollution (Smart cities and polluting industries), while other organizations monitor the parameters to manage certain assets (cycle water management companies, utility companies, etc.). Outside of the plants where the Industry 4.0 is developing, it is not possible to have these variables controlled except by deploying expensive solutions and/or with a great environmental impact (cabling, civil works, new infrastructures).

POTENTIAL MARKET

Smart cities, public administrations, environmental engineerings, polluting industries, integral water cycle companies, industrial companies, machinery manufacturers, environmental, industrial and telecommunications engineerings, etc.

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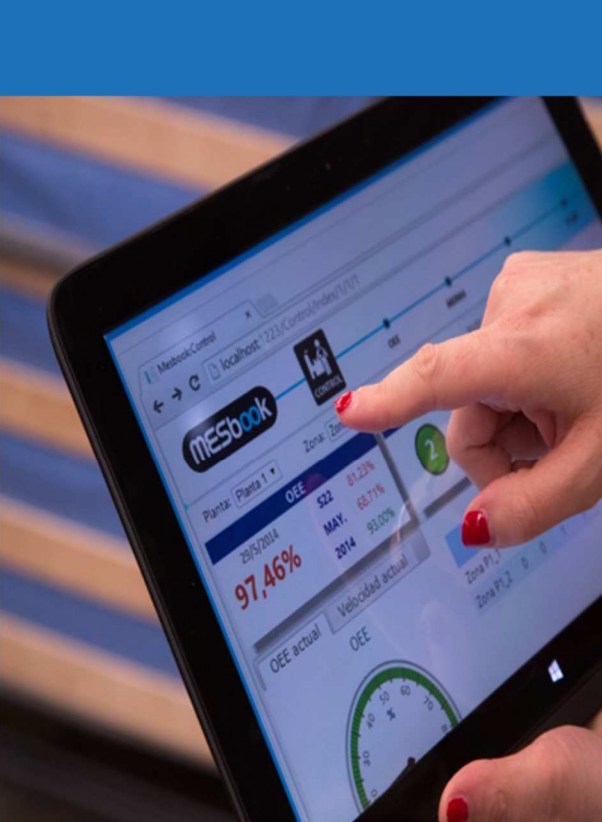
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MESBOOK



Real-time Management System that interconnects all the agents of a factory: machines, people, products, ERP with the departments. MESbook crosses all these data and identifies holes in costs, productivity and quality, that allows smart decision-making to produce MORE, BETTER AND CHEAPER.

www.mesbook.com

AREAS WHERE IS IMPLEMENTED

Standard product that adapts to any kind of Industry, no matter its deployment level or casuistry. We work with more than 40 companies from 12 different sectors: food, cosmetic, automation, plastic, packaging, ceramic, etc.

TECHNOLOGIES

BIG DATA, Cloud, Artificial Intelligence (AI), Internet of Things (IoT)/ Internet of Machines (IoM), Machine to Machine communication (M2M)/ Device to Device (D2D) and Machine Learning.

OUR SOLUTION

MESbook es a Cyber-Physical System that interconnects and manages in real time all the actors of a factory. How do we do it? With a 100% pragmatical approach based in 4 pilars:

- 1- Wide industrial know-how: More than 20 years of experience in factories with the best technology to create this powerful tool.
- 2- The most advanced product in the market: Cross-platform system, 100% web and cloud. It allows to know in Euros the real cost of a product and its deviations in real time.
- 3- Customer Service always focused in improvement: We accompany our clients with continuous training and improvement plans.
- 4- Immediate ROI: Thanks to our Pay-per-use business model: adaptable, modular, without extra costs and all updates included.

MARKET DEMAND

Today's factories (from the production plant to the general management) work with obsolete systems that are not interconnected. Therefore, there is a critical absence of quality information: concrete, quantified, localized and in real time. MESbook responds to this market demand as a Robust System, Intelligent, Interactive, Self-adaptable, Interconnected with all the factory, Collaborative, Saas (100% web), Predictive and Expert designed to generate integral solutions to real manufacturing plant problems in any factory.

POTENTIAL MARKET

We address especially to Industrial SMEs, due to their low productivity, unnecessary investments and lack of information in the manufacturing plant.

Our clients are improving up to 40% of their EBITDA, with a 100% ROI in the short-period, thanks to the savings obtained with MESbook's incorporation: 10% of Productivity improvement; 20% reduction in wastes; and 20% reduction in nonconformities in Quality. It also generates medium savings up to 50.000€/year in indirect costs related to production.



**Digital
Tech
Solutions**
...

Te acompañamos en la
Transformación Digital de tu
empresa.

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NEKTIU



nektiu
digital tech solutions

We develop different technologies solutions with Internet of things, Artificial intelligence or Blockchain for different use cases and business sectors

www.nektiu.es

AREAS WHERE IS IMPLEMENTED

Industrial, Education, Services, Retail, healthcare, Insurance, Media

TECHNOLOGIES

Internet of things: Conectivity (Zigbee, SigFox, Lora, ...), Sensors, IoT Plataform ,.. / Artificial Intelligence and Blockchain

OUR SOLUTION

Platform IoT for Worker Insights and Insurance on Cloud, is a fully managed cloud service offering that collects and analyzes data from sensors and provides contextual data that provides meaningful analytics.

- IoT Worker Insights for industries with high risk or hazardous conditions such as energy and utilities, mining, manufacturing, and industrial products
- IoT Worker Insights cloud service solution uses IoT data from wearables, environmental sensors, and other data to help improve workplace safety, drive compliance with safety policies, and help protect workers from risks. IoT Worker and Home Insights offers a license option for non production environments.

MARKET DEMAND

The IoT allows to create a workers risks prevention and a control system , ideal and effective within a program of normative compliance.

The Internet of things in the workplace implies an improvement in the productivity of employees, thus 78% of companies that employs IoT in the workplace, improves effectiveness and 75% increased their profitability.

IoT represents a revolution with regard to the powers of vigilance

POTENTIAL MARKET

These solutions of monitoring and geolocation, both indoors and outside of the location workers are being deployed in many Industries, since the existing technology is reliable and competitive costs.

OTHER INITIATIVES FROM AMETIC:

PLATAFORM FOR ENABLING TECHNOLOGIES IN INDUSTRY 4.0

SPANISH OFFER



A complete meeting point where you can :

- **DISCOVER** the complete offer of technologies and companies
- **VISUALIZE** the information and the connection between Technologies and companies
- and **INTERACT** with a chatbot.

MORE INFORMATION :

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