IOT SOLUTIONS WORLD CONGRESS

IOT CATALAN COMPANIES

2016

Government of Catalonia
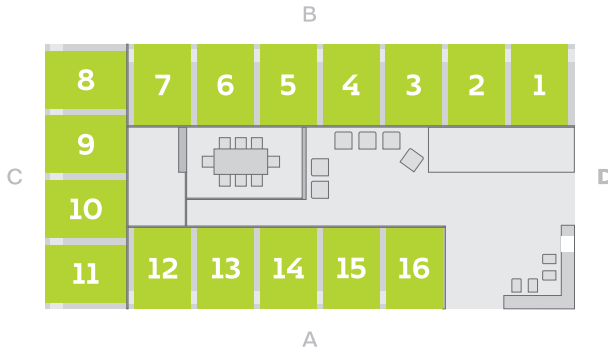
Stand **B271**

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1 VINTEGRIS
2 ALTEK ENGI
3 CIGO! BY SPARSYTY
4 AGRIFOOD

5 SENSING & CONTROL
6 I2CAT
7 CTTC
8 TECSIDEL

9 ATLANTIS IT
10 ACKSTORM
11 EURECAT
12 DATUMIZE

13 CIT UPC
14 BISMART
15 ACCENT LABS
16 ILIMIT

Location in the venue

Hall 1

Government of Catalonia
Stand B271

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Smart digital technologies will be the cornerstone of twenty-first century economies. In this new paradigm, Catalonia has the assets and the ability to accommodate the expansion of this new industry, and to become one of the prime movers in this new model of a digitalisation-based society, which will revolutionise not only the business fabric, but also the way in which we currently understand health, education, the management of cities and even culture. All the sectors of our economy and all areas of our lives are increasingly affected by digitalisation. This means industry 4.0, the Internet of Things (IoT), big data, the cloud and artificial intelligence.

Catalonia has always been a country that is open to the world, to trading contacts, cultural exchanges, and to creation and innovation. Indeed, two centuries ago it was one of the regions involved in the industrial revolution in Europe; a region that was able to articulate its strengths to lead the way in that paradigm shift, despite its lack of abundant natural resources. That tradition has given Catalonia strong industrial foundations in the present day, with great potential and strong technological capabilities which place it in an excellent position to lead this new industrial revolution, one of the new major challenges for the society of the future.

The Internet of Things Solutions World Congress is an event promoted by this Government, which takes its place alongside the Mobile World Congress, the world's most important technology and business congress, the Smart City Expo World Congress, which places Catalonia at the international centre of smart cities, and the recently established In3Dustry, which will make this country a benchmark in additive manufacturing.

The Internet of Things Solutions World Congress includes the participation of private sector bodies, Fira de Barcelona and leading cutting-edge companies from all over the world with which we hope to contribute to the development of the IoT in industry, business, SMEs and technology centres. It is a shared challenge and a path we can travel together. Catalonia will be the meeting point.

Mr. Carles Puigdemont i Casamajó
President of the Government of Catalonia

smartCATALONIA

mobilitat SMART **mobility**
• Gestió del transport públic
Public transport management
• Optimització de l'aparcament
Parking optimisation
• Ús de vehicles elèctrics
Electric vehicle use
• Gestió intel·ligent del trànsit
Smart traffic management

medi rural SMART **rural**
• Producció alimentària intel·ligent
Smart food production
• Sistemes de reg d'alta eficiència
High-efficiency irrigation systems
• Drones per al control de camps i bestiar
Drones to monitor fields and livestock
• Desenvolupament rural
Rural development

medi ambient SMART **environment**
• Sistemes d'eficiència energètica
Energy efficiency system
• Xarxes de districte de calor i fred
District heating and cooling networks
• Gestió de contaminació
Pollution management
• Monitorització energètica
Energy monitoring

turisme SMART **tourism**
• Patrons de comportament dels turistes
Tourist behaviour patterns
• Plataforma mòbil de turisme
Mobile platform for tourism
• Generació de rutes personalitzades
Personalized route generation
• Visites virtuals i realitat augmentada
Virtual visits and augmented reality
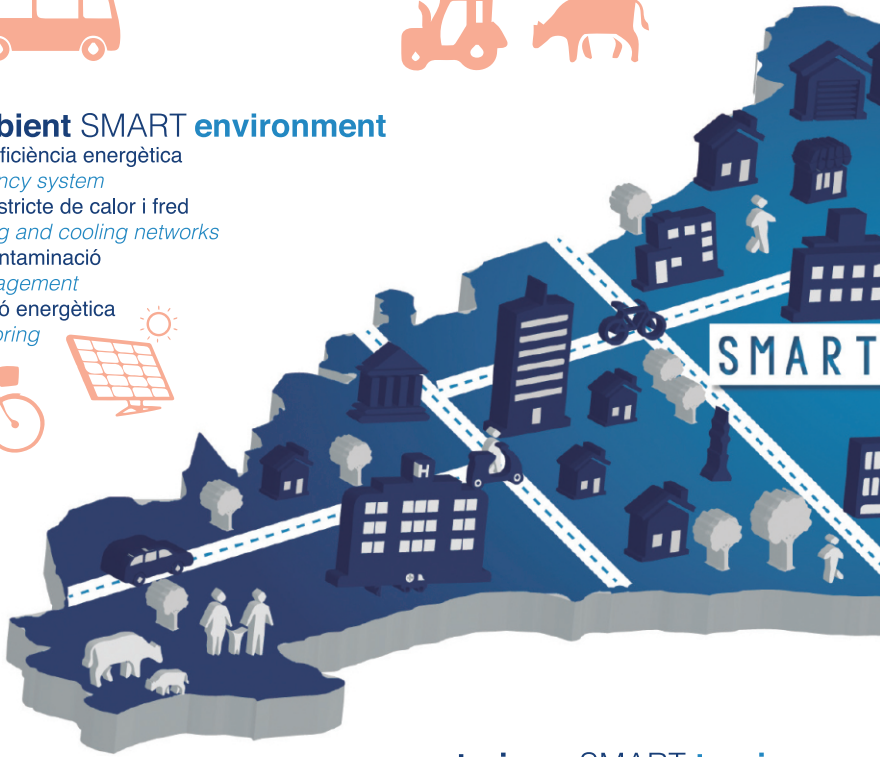
economia SMART **economy**
Competitivitat dels sectors tradicionals i impuls de la
nova indústria de les dades
*Competitiveness of traditional sectors and promotion
of the data-driven economy*

govern SMART government
Govern Obert i gestió intel·ligent de les dades a l'administració i tributs
Open government, smart management of public data and smart tax

ensenyament
SMART education
- Dispositius mòbils a l'aula
Mobile devices in classrooms
- Gestió escolar amb les TIC
School management using ICT
- Informació de l'estudiant
Student information
- Robòtica educativa.
Educational robotics

seguretat SMART security
- Sistemes predictius de seguretat
Predictive safety systems
- Videovigilància intel·ligent
Smart video surveillance
- Ciberseguretat i confiança
Cybersecurity and trust
- Drones a incendis i emergències
Drones for fire and emergency response

salut SMART health
- Targeta sanitària al mòbil
Health card on mobile
- Informació del temps d'espera
Waiting time information
- Telemedicina i teleassistència
Telemedicine and telehealth
- Dades obertes i dades massives
Open data and big data

REGION

ciutadà SMART citizen
Capacitació, implicació i participació de la ciutadania
Citizen qualification, involvement and participation

comerç SMART retail
- Comportaments de consum
Consumer behaviour
- Dades massives en el punt de venda
Big data at point of sale
- Portals i apps de comunicació
Communication portals and apps
- Sistemes de pagament
Payment systems

Generalitat de Catalunya
Government of Catalonia

www.smartcat.gencat.cat

CataloniaConnects

Barcelona,
a Benchmark
for Mobility and
Smart cities

Innovation
and Cutting-Edge
Technology

A Competitive
and **Open**
Economy

Talent,
Creativity and
Entrepreneurial
Spirit
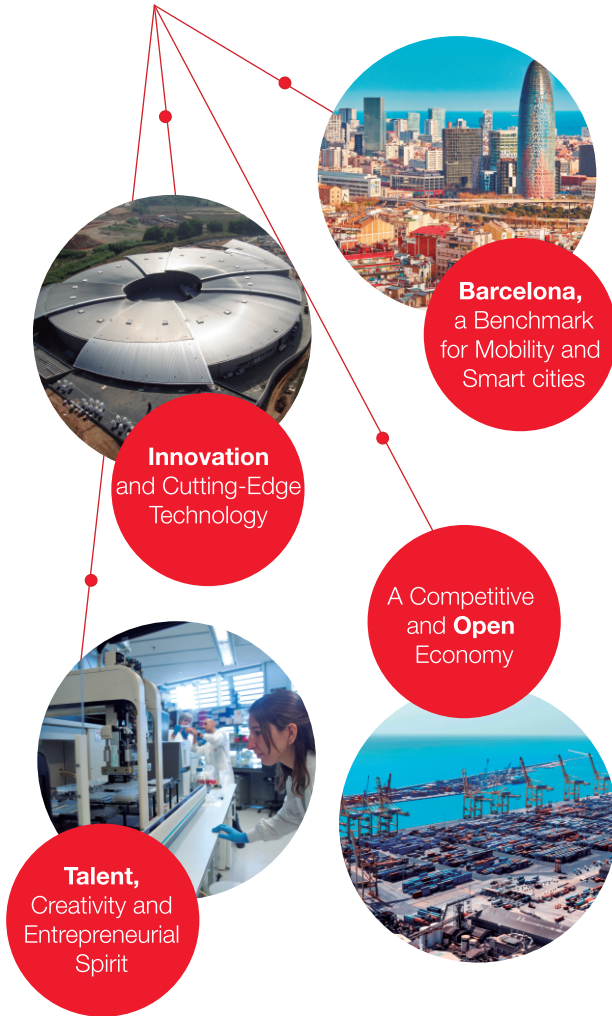
Catalonia Trade & Investment

We are the Catalan Government public agency for business competitiveness and foreign investment attraction. The 36 Trade and Investment Offices advise and help international companies invest or expand their operations in Catalonia and Barcelona.

ICT + Industry = Industry 4.0

Catalonia has significant assets, primarily industrial muscle (20% of the GDP) and a powerful ICT sector (with over 12,800 companies). These two aspects are key to developing Industry 4.0. In Catalonia local and foreign companies (Seat, HP, Oracle, Alstom, Worldsensing, Effitronix, Avinent or Fundiciones de Roda) and world-class technological and research centres (EURECAT and TECNIO) are currently putting 4.0 technologies into practice.

CataloniaConnects to IOT

DESIGN: FLEXIBLE AND PERSONALISED PRODUCTION VIA 3D PRINTING

BIG DATA: WHERE DATA GIVE US KNOWLEDGE TO BOOST OUR COMPETITIVENESS

SMART ROBOTS AND PERSONS: THE TANDEM POWERING THE FUTURE OF INDUSTRY

ICT + INDUSTRY

CATALONIA HAS THE PERFECT COMBINATION TO BE A MOTOR FOR INDUSTRY 4.0

CataloniaConnects to the world
36 Trade and Investment Offices in over 90 markets
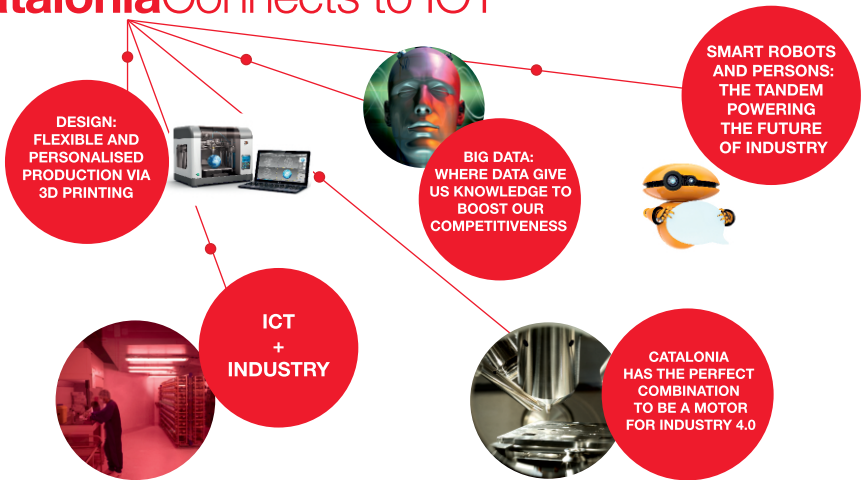
Accra / Beijing / Berlin / Bogota / Boston / Brussels / Buenos Aires / Casablanca / Copenhagen / Dubai / Hong Kong / Istanbul / Johannesburg / Lima / London / Mexico City / Miami / Milan / Montreal / Moscow / Mumbai / New York / Panama / Paris / Santiago de Chile / São Paulo / Seoul / Shanghai / Silicon Valley / Singapore / Stuttgart / Sydney / Tel Aviv / Tokyo / Warsaw / Washington DC

Catalonia & Trade & Investment

Generalitat de Catalunya
Government of Catalonia

Founded in 2007, Accent Labs is a company focused on turning customers ideas into tailored electronic solutions, from product development to mass production.

Our main business is the wireless device market, specially in Bluetooth, Wifi, Sigfox, GPRS/3G/4G-LTE and other technologies like the emerging NB-IoT. We have a wide expertise developing Internet of Things (IoT) and Machine to Machine (M2M) solutions.

The company has also specialized in beacon technology. Since 2013, when this technology burst into the market, Accent Labs has become one of the iBeacon and Eddystone manufacturers leaders in the world.

Company

ACCENT LABS

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Stand	Number
B271	15

www.accent-labs.com

In Ackstorm, with over 14 years of experience in Systems Management and Integration, we are experts in Architecture Design, Implementation and 24x7 Management of Cloud Platforms for companies where internet is a critical channel for their business.
Our experience in Cloud Architectures and Systems, together with the development of our Multi-Provider Cloud Management System, facilitates the migration of Online Business to the Cloud, obtaining an improved service, flexibility and scalability in infrastructures, and reducing costs by pay per use.

Company

ACKSTORM

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Stand	Number
B271	10

www.ackstorm.com

In AEINNOVA we generate electricity from the waste heat helping to improve the energy efficiency of industry reducing the emissions and power wireless sensor network devices, aligned with industry 4.0. We can monitor in real time any industrial parameter without batteries (self-powered by waste heat) and free of maintenance (using thermoelectricity, same technology used in Space applications).

Our technology is easy to adapt to any hot surface, heat pipe, chimney, etc.

We combine Energy Harvesting technologies, with wireless sensor networks and Fiware Big Data.

Company

AEINNOVA - ALTERNATIVE ENERGY INNOVATIONS

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Stand

C371

www.aeinnova.com

Agrifood Alternative Technologies has over 16 years' experience providing technological solutions for the feed and animal production industries. More than 400 companies from Spain, Italy and Portugal are using our solutions on a daily basis. Agrifood AT specialises in the distribution of Cloud Solutions provided by the best partners, as well as solutions developed internally by our own software team. Agrifood AT also possesses great expertise implementing sensor based applications such as: sensorization of silos, smart manure management and GPS vehicle positioning. Our new business strategy based in the IoT is considered today one of our more important activities.

Business Intelligence, Analytics, Optimization, Consulting, Project Management, Animal Production, IoT, Sensors, Forecasting.

Company

AGRIFOOD ALTERNATIVE TECHNOLOGIES

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Stand	Number
B271	4

www.agrifoodat.com

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ALTEK ENGI BCN
Developers in IoT

ALTEK Engi BCN offers him the industrialization and the design of his hardware IoT.

Our services go from the development of the project up to his industrialization.

We put our technical capacity and experience to his service. Developer of hardware, special sensors, mounting blocks of electronic circuits SMD and standard.

His better partner in the industrial revolution 4.0 specialists in Internet of the things.

Company

ALTEK ENGI BCN

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Stand	Number
B271	2

www.altek-engi.com

Applus laboratories

Applus+ Laboratories specializes in developing technical solutions to enhance product competitiveness and foster innovation. Our **testing expertise** and our network of **state-of-the-art laboratories** makes us best placed to support you through the whole product value chain. Our services include:

· Multi-technological Testing Services for IoT/M2M:
  · Wireless, EMC and Electrical Safety Testing
  · IT security evaluations & interoperability tests
  · Environmental, Vibrations & Acoustics Testing
· Product Certification & Global Market Access (CE, EAC, CCC, FCC, VCCI, CB, etc.) for your IoT/M2M device
· Metrology & Calibration services
· Test Rigs & Test Systems development
· Materials & Structures Testing
· Fire safety & building products testing

Company

APPLUS+ LABORATORIES

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www.appluslaboratories.com

ATLANTIS
The Value of your mobility

ATLANTIS IT

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Stand	Number
B271	9

Because we are passionate to apply technology to solve real problems of people.

Atlantis IT is your partner in efficient management, control and security of your mobile resources (cars, vans, trucks, motorbikes, tractors…) for fleets and particulars.

We make it simple :

· Atlantis Bike, Atlantis Car and Atlantis Agri : your motorbike/car/machinery connected to you. Security for your bike/car/machinery, and protection for you and your family. Self-managed from your smartphone or connected to a 24hx7d alarm center.

· Atlantis Fleet : We help companies to take decisions to improve their results, their management, control, cost and productivity of their mobile resources.

www.atlantis-technology.com

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beabloo
Communicate everywhere

Company

BEABLOO

Contact

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Stand

C371

Beabloo is a technology company specializing in a combination of multi-channel digital marketing and big data for retail environments and establishments working directly with the public. Beabloo's marketing solutions enable its clients, whether they are stores, shopping malls, universities, airports, hotels or exhibition centers, to send information to their visitors or users, and learn about their behavior and interaction within the establishment. At the same time, big data solutions analyze the large volume of data generated each day in these areas, in order to improve the quality of the services provided.

Beabloo's mission is to provide measurable performance drivers to create effective and engagement marketing campaigns optimizing the customer's experience.

www.beabloo.com

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bism@rt

Big Data
Data Analytics

Power your business

Company

BISMART

Contact

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Stand	Number
B271	14

Bismart is specialized in IoT and BigData,

We convert data into **information**. **We help to analyze information to make better decisions and power your business**. We provide **development and maintenance services**, focusing on corporate organizations, mid-size companies, both public&private.

Bismart addresses the needs of local governments with unique solutions tailored to creating smart cities

Bismart BigDataSolutions are the flagship of the Microsoft'sCityNext, a worldwide initiative that empowers cities to put people first, providing the perfect solution: safer, smarter, healthier cities. Bismart turns data chaos into clockwork.

We commercialize **specialized solutions for different sectors** such as finance, utilities, life sciences, government

www.bismart.com

Boneless Grills

Company

BONELESS GRILLS

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info@bonelessgrills.com

Boneless Grills forms part of people that loves to get the ultimate technology and the best quality on their products. But, over all, the people that love enjoying life and share it with family and friends.

Boneless Grills has changed the landscape of the luxury barbecue market. We have developed our Smart Cooking System® (SCS) that provides to our barbecues a fully automatic program that allow them barbecuing for you.

SCS implements a mobility solution that allows our customers to add the barbecue to your home network, such as an object interconnected with other devices.

Barbecue Internet of Things Devices IOT

www.bonelessgrills.com

Industrial Shields

Industrial Shields is a Brand created by Boot & Work Corp. where it has a family of products based on open source hardware to be used on industrial environments. Controllers using original Arduino Boards inside and Panel PC including Raspberry PI and Hummingboarad inside to be able to use Linux, Android and Windows IoT offering at the industry4.0 a full solution to control, monitoring, manage and increase the eficiency of the companyes as well. All products offer the possibility to be connected each other and with other brands powered with flexibility in the Industrial Internet of things industry.

Industry 4.0 and IIoT is becoming as a future of the companies and nowadays it is on an embryonic step which need economical products including flexiblity and connectivity. For these reason industrial shields have an important R+D department working to use Open Source hardware/software on the industry.

www.industrialshields.com

Company

BOOT & WORK - INDUSTRIAL SHIELDS

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The **Centre Tecnològic de Telecomunicacions de Catalunya (CTTC)** is a non-profit research institution based in Castelldefels (Barcelona), resulting from a public initiative of the Regional Government of Catalonia (Generalitat de Catalunya).

Research activities at the CTTC, **both fundamental and applied, mainly focus on technologies related to the physical, data-link and network layers of communication systems, Geomatics, and positioning systems.**

We have sound expertise in exploring connectivity solutions for the IoT. Among other activities, we have built an end-to-end experimental platform where we conduct applied research and develop proof-of-concept solutions for the IoT. Check it out here: http://iotworld.cttc.es.

Company

CENTRE TECNOLÒGIC DE TELECOMUNICACIONS DE CATALUNYA

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Stand	Number
B271	7

www.cttc.es

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Sparsity is a spin-off company from UPC-Barcelonatech specialized in the analysis and management of Big Data and has a long trajectory partnering with strong players like IBM, Oracle and CA Technologies, and collaborating in a large number of R&D projects funded by the EU. In 2015 Sparsity was named by the European Commission as the SME with highest innovation capacity.

Sparsity presents CIGO! a smart mobility management platform to plan routes, interact with fleets and citizens, analysing geolocated data without a need for sensors, intensive server use or expensive hardware.

Company

CIGO! BY SPARSITY

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Stand	Number
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www.smart-cigo.com

The Technology Center of the Universitat Politècnica de Catalunya·Barcelona Tech (CIT UPC) applies university research to innovation in business. We develop comprehensive, multidisciplinary and turnkey technology solutions, and offer companies a wide range of technological capabilities to develop projects in areas like ICT, advanced manufacturing technologies, materials and energy. Due to the UPC's excellent research track record in engineering, architecture and science, CIT UPC's knowledge spans a wide technological spectrum. We have strong expertise in IoT and mobile technologies such as the future network; big data analytics; mobile health solutions; identity; security; M2M; mobile in smart cities; and cloud computing.

Company

CIT UPC

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Stand	Number
B271	13

www.cit.upc.edu

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CLIENSOL ENERGY was launched in 2010. We introduced a different products that would help hundreds of thousands of people save on their energy expenses.

As a result of six-year, we introduced to the Spanish market a range of low cost hardware devices, it provides reliable metering, control and reduction of energy consumption for electricity, water and gas with different software solutions for IoT.

Low capital and operational costs are another benefit of the solution we offer to ours utilities and costumers.

Company

CLIENSOL ENERGY

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At CodiTramuntana we're expert software developers: native mobile Apps (iOS, Android & Xamarin, Bluetooth) and web development (amazing landing pages, backoffices, system integration through web services, data synchronization with ERPs, CRMs,...).
For an IoT business it is difficult to have experts in all areas of the product. Often you have a core hardware team but can't grow in software engineers for Apps, for Web, for BigData, for best data formats...
We can help you by delivering the software part of your projects (entire project or some part: only Apps, Apps+cloud..), project management or with dedicated teams. Transforming fixed costs in variables.

Company

CODITRAMUNTANA

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Company

DATALONG16

Contact

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Stand

C371

DataLong16, represented a young company founded on the basis of experience in the field of logistics, distribution and management of the cold chain.

In response to the specific demands of our customers and drawing on experience, knowledge and a broad technical capability we launched the DL16, a small datalogger manufactured in Catalonia and connected with Internet of Things, and connected with NB and GSM, with high value features for the industry. DataLong16 is used in several vertical industries such as pharma, agrifood, medical, chemical, laboratories, transportation, ...

All of them strongly related to logistics and distribution.

www.datalong16.com

Company

DATUMIZE

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Stand	Number
B271	12

Datumize is a disruptive software company created in Barcelona and specialized in capturing, processing and analyzing businesses dark data, i.e., unexplored data found in internal communications networks or complex industrial equipment. This rapidly growing startup has developed its own technology, enabling it to uncover this hidden data to allow making right business decisions.

#darkdata #bigdata #startups #businessoptimization #IoT #TIC

www.datumize.com

edenway

We are an SME located in Pairs, Barcelona and San Sebastian expert in engineering, industrialization and implementation of innovative projects with high impact on the urban environment such as Mobility and Sustainable Transport, Energy, Digital Transformation (Internet of Things, Open Data, Big Data, etc.) and Social Challenges among others.

Our experience is focused in designing innovative projects as living labs, test beds, impact analysis, project management (end users, private and public agents, etc.), end users awareness and participation, new business models definition and the deployment of innovative solutions, both at a national and international levels.

Company

EDENWAY

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www.edenwaygroup.com

EMSER
enginyeria i serveis

The document management platform "CLOUD DOCULL" is an integral tool (APP and Web environment) oriented towards field work, which allows inspections, site surveys, As-Built … removing backoffice works, repetitive tasks and reducing costs.

The main benefits are: easy integration between companies and partners saving management time, analysis and project tracking, audits, quality indicators, executive summaries …

EMSER DOCULL is an innovative tool in engineering sector, creating a work environment totally adapted to the customer needs.

Company

EMSER

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Stand

C371

www.emser.es

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Enzyme Advising Group is a professional services firm with international presence that provides consulting and technology advice focused on helping companies in the digital transformation of their business. Enzyme guides implementation ensuring that change management both in processes and technology is sustainable over time. Enzyme's service offering includes technological capabilities to integrate IoT solutions to the business and conduct an analysis of data generated by the new paradigm capabilities (Big Data Analytics). The services and products provided aim to help companies take the next step into digitalisation. Enzyme is one of the best companies to work for in Spain according to the global consultancy Best Place to Work Spain.

Company

ENZYME ADVISING GROUP

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info@enzymeadvisinggroup.com

www.enzymeadvisinggroup.com

Eurecat is the Technology Centre of Catalonia. Providing the industrial and business sector with differential technology and advanced expertise, it offers solutions to their innovation needs and boosts their competitiveness in a fast-paced environment.

The range of services are primarily focused on: applied R&D, technological services, information technology consulting, highly specialized training, product and service development, and promotion and distribution of technological innovation.

Your Technology Partner for the Smart City in the following areas:
Mobility, Resources, Security, Health, Energy Efficiency, Smart Management Systems, Smart Government, People Empowerment, Tourism.

Company

EURECAT

Contact

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xavi.catasus@eurecat.org

Stand	Number
B271	11

www.eurecat.org

everis

an **NTT DATA** Company

Company

EVERIS

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everis created a global and multi-sectorial key line which contains a wide range of everis' IoT solutions. Since then, we have developed several services and we would like to highlight the allWaste – urban waste management asset. It is an integral management solution based on the use of volumetric sensors, on-board vehicle telematics and operator's handheld devices integrating technologies such as RFID UHF, NFC, GPS and geo fencing. In addition, a platform allows the capture of heterogeneous and real-time data and transforms them into intelligent information to support decisions. IoT, Big Data, smart, energy efficiency.

www.everis.com/global/en-US/home/Paginas/home.aspx

HAMAMATSU
PHOTON IS OUR BUSINESS

Hamamatsu Photonics Spanish office is a subsidiary of Hamamatsu Photonics Japan, company created in 1953 and focusing on the development and production of innovative optical sensors and light sources, including laser. Applications range from medical to automotive and from research to industrial. In Spain we partner customers and suppliers to co-design and co-develop technologies for the next generation of products. We cover not only visible and near-infrared region but also UV and X-ray. We see IoT as the next big market and we are putting efforts on development of new technologies based mainly on MEMS.

Company

HAMAMATSU PHOTONICS

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www.hamamatsu.es

i2CAT is a non-profit research and innovation centre which promotes R+D+I activities in Information and Communication Technologies and Future Internet. The centre stands up for a new open innovation framework, fostering the collaboration between companies, public administration, the academic environment and end-users.

i2CAT has a wide experience in multiple national and European R+D+I projects, leading research lines in new fixed & mobile network architectures, wireless sensor networks, and content-based multimedia tecnologies with the aim to develop new products, services and applications in the fields of eHealth, Smart Cities & Regions, Advanced Manufacturing and Culture & Creativity.

Company

i2CAT FOUNDATION

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B271	6

www.i2cat.net/en

Ilimit is a provider of technology and telecommunications services aimed at companies focused in managed services and specialized in a cloud computing environment. Founded in 1995, it currently has over 1,000 clients and well-established infrastructure of a data center and proprietary IP network. Our information systems are stored in Ilimit's Cloud and they are treated in the most direct, safe and reliable way. We provide strategies to transfer IT structures to a Cloud system in a gradual way and we guarantee high quality systems, redundancy and high availability.

Company

ILIMIT COMUNICACIONS

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Stand	Number
B271	16

www.ilimit.com

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Im3, is a independent professional services company based in Barcelona, with offices in Madrid, Lima (Peru) Santiago de Chile (Chile). Our team allow us to provide global projects: Project Management, Project Engineering Design, Permitting management, Procurement, Mobility, Consulting, Energy and Building.

In addition, Im3 Solutions, is our software developers and research team who makes amazing custom apps for level up your business. Access 24/7 to your business, more than 5 years of experience tracking engineering projects and field work.

Im3 makes your mobility.

Company

IM3 INGENIEROS EMETRES

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www.ingenieros-im3.com

SGClima is designed to link SUSTAINABILITY, BIG DATA and IoT to implement a pioneering Climate Control System. Thus, the system can give to HVAC systems the artificial intelligence necessary to optimize its operation.

SGClima parameterizes and controls the installation autonomously introducing intelligent Algorithms & ALERTS (HVAC BIG DATA), in order to regulate the unit according to the requirements of the installation.

In this way the global installation will work in its optimal performance achieving savings up to 50% in power consumption of the units, according to the state and management of the facility.

SAVINGS:
    15-50% Energy consumption
    10-30% Maintenance

Company

INDOORCLIMA

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www.indoorclima.com

Innovem (Innovation Electronics and Mobility) was founded in 2012 in order to develop technological solutions. Our partners have a long history and experience in the industrial area as well as in the academic and scientific research.

Its main activity is the research and development of technology solutions in Mechatronics and Bioengineering areas. In Bioengineering area we are focused on developing and selling biomechanical technology, specifically in musculoskeletal analysing system. The second area, focuses on automation projects and electric motors for industrial applications. We have developed several linear motors for transport applications.

Company

INNOVEM - INNOVACIÓ ELECTRÒNICA I MOBILITAT

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Integral IoT Experts is a specialized company with extensive experience in the fields of Industry 4.0. Our goal is to provide solutions that help companies achieve and maintain a competitive advantage in intelligent and connected products and services.

We have four specialized groups: Comprehensive PLM Experts, advanced systems design, analysis and manufacturing (CAD), Internet of Things and 3D Printing Experts specialize in additive manufacturing. All these solutions are aimed at increasing the competitiveness of SMEs and large companies at a level of global competition.

We are based in Barcelona (HQ), and we have offices in Spain, Portugal, Turkey and Brazil, with a total of 100 employees.

Company

INTEGRAL IOT EXPERTS

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www.iot-integral.com
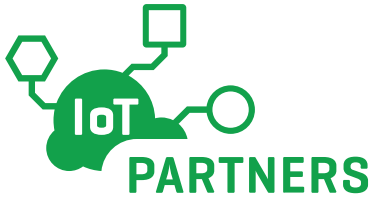
IOT PARTNERS

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Internet of Things Partners S.L. (IoT partners) is a consultancy and engineering services provider in the IoT domain. Our services are mainly oriented to the acceleration of technical projects through consulting, prototype design, team training, and development of critical parts of projects. We provide an extensive experience in research and development of professional projects, system design Hw-Sw-Fw and rapid prototyping. Our first versatile platform, based on LWPAN technology (SIGFOX, LoRa, IoT-NB) allows the implementation of IoT solutions for smart cities, metering, retail, logistics, tracking and any other IoT domain.

www.iot-partners.com

LEITAT

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LEITAT is a non-profit Spanish Research Technology Organisation recognised by the Catalan Government and by the Spanish Ministry of Science and Innovation. LEITAT develops R&D activities with deep knowledge and experience in technological transfer to several industrial sectors. LEITAT has 9 R&D divisions: Advanced Materials, Biomedical engineering, Devices, Design & Engineering, Environmental & Bio Technologies, Human & Environmental Health & Safety, Fast Moving Consumer Goods, Environmental Unit, Tribology, and the Scientific Technical Services. Each of the divisions is set up by multidisciplinary teams with know-how and experience in different knowledge areas and disciplines. Our technological solutions in the areas of transport, health, energy, manufacturing, security and environment.

www.leitat.org

RooDol

wherever you are

RooDol® training system has revolutionized the way of understanding the indoor cycling and it is an ideal system for keeping up an optimal physical state for being able to maximize our physical capacity. It is the best complement for the training of circular pedaling as well as allow to perform specific training such as series of sprint, high cadence or strength pedaling which are very complicated to perform on public roads with a lot of traffic or roads are not adapted to your training.

Sensor; Bluetooth; smartphones; Speed&Cadence; Gamification; Internet; Online;

Company

LULABYTES

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www.roodol.com

MAPIT

Engineering company specialized on Internet of Things projects. We are offering customized projects built on our own developed GPS tracker, MAPIT, for positioning applications monitored on web or mobile apps. We tailor our system to fit into your business requirements.

Agile and dynamic teams with highly experienced engineers specialized in each area from product to backend and frontend development.

Our product, MAPIT bike, is an innovative motorbike locator device that uses a new technology which replaces 3G system that is being used by current motorbike's alarms. That is making it EASY, ECONOMY and STANDALONE.

Company

MAPIT IOT

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Stand

C371

www.mapit.me

MOCA is the most advanced context-aware marketing platform for mobile. MOCA uses machine learning algorithms to get in-depth data analysis on users' behavior, helping companies make real-time data-driven decisions. MOCA learns from mobile users and understands their behavior in the physical world to deliver unique experiences.

With MOCA's real-time segmentation, context-tagging, recommendation engine and automated proximity campaigns, companies like GSMA Mobile World Congress, Fira de Barcelona, Atos, HiMedia and Ogilvy can develop more effective communication with their customers across the mobile channel. MOCA was launched in 2014 and has offices in Barcelona, Madrid and San Francisco.

www.mocaplatform.com

Company

MOCA PLATFORM

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We are a passionate company originating from Barcelona and dedicated to the creation of **IoT Solutions**.

MIIMETIQ is our principal solution, which is an Application Enablement Platform. And **MIIMETIQ LITE** is our lightweight IoT Platform for small and mid size projects; both IoT solutions are offered to System Integrators but we also develop customized solutions to Manufacturers.

#IOT#IOTSOLUTION#IT#SYSTEM_INTEGRATORS#NEXIONA#IOTPLATFORM

Company

NEXIONA CONNECTOCRATS

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www.nexiona.com

NexTReT is an IT consultancy company focused on optimizing its customers ICT area and provides services and solutions related to infrastructures, applications development and performance optimization.

Since 1995 we provide tools for networks monitoring that assess its availability and performance in real time.

"WiFi Hotspot Service Monitoring" has been developed to monitor WiFi's network and evaluate its user experience. A distributed system of automated devices will be spread in customer's coverage area to obtain objective data. Based on IoT technology, we provide a dashboard cloud service with WiFi's effectiveness rates to assure the quality of your service to your end user.

Company

NEXTRET

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Nexus Geographics's goal is to help people and companies to visualize their world on the map, analyze their data with maps and understand their business geographically. We aim to become a leading provider for all kinds of companies that manage spatial assets.

We are experts in quality geographic data. The data we use is selected directly from the manufacturers and covers most of the planet in a reliable and updated way. Our technology creates more than 5 million maps daily to service more than 1,000 companies.

Nexus Geographics, because our priority is mapping your world.

Route, logistics, planning, geolocation, maps

Company

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oasys
Outsourcing Automation Systems

In Oasys we are specialists in automation and industrial control systems with over 15 years of experience. Our professionals have extensive experience in IoT, M2M, MES, PLC and SCADA applied to the industrial sector, Transport, Energy and Infrastructure. **The Oasys working method is characterized by offering disruptive technologies through a comprehensive and innovative approach**. Our services include all process of project development: from consulting, solution design, management and development of the project, testing, training, maintenance, services contracts and audit.

KEYWORDS:

- Automation
- IoT
- MES
- SCADA
- Industrial control systems
- M2M
- PLC
- Disruptive technologies

Company

OASYS OUTSOURCING AUTOMATION SYSTEMS

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opentrends

We're not just a software engineering company: we connect strategy, design and technology to place you in the Age of Digital Transformation by building private cloud platforms and frameworks. We build, deliver and optimize experiences.

In only a decade, we've helped numerous companies and governments worldwide to increase the value of their business ideas. We've created amazing apps and portals using open source technologies. We ensure that our solutions are ready for enterprise environments with the highest stability demands.

5 tags:

- Internet of Things
- Connected Car
- Cloud Services
- Smart Cities
- eHealth

Company

OPENTRENDS

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Range anxiety is the main concern within EV (Electric Vehicle) drivers. Current charging points' maps are not enough to mitigate this fear of having insufficient range since charging points can be out of order or a specific card can be needed to charge. **Place to Plug offers a platform to solve these problems**, allowing EV drivers to **know the charging points' status and to activate them** from a smartphone. The platform also offers **access to private charging points** (hotels, restaurants or individuals) allowing users to charge even where no public charging points exist.

Keywords: electric vehicle, charging stations, collaborative platform, app, sustainability, sustainable transport, transport, mobility, sustainable mobility.

www.placetoplug.com

PROMAUT GROUP was formed in 1995 to offer technological solutions in industrial processes using: Conceptual Design, Engineering, PLC's and robot programming, Manufacturing execution system, and implementation of productive processes.

The main activity sectors are Automotive, Industry 4.0, Railway, Chemical and Aeronautical. From PROMAUT's creation we have supported innovation through collaboration with clusters and organisations, giving birth to PROMAUT investees.

These companies arriving from PROMAUT have helped to diversify growth thanks to the high professionalization and specialization of the new business initiatives.

Key Words: Open Innovation, Industry 4.0, MES, Smart Cities, Automation Systems, Robotics, Automotive, Internet of things.

www.grupopromaut.com

We are manufacturers of Business Intelligence Atlas SBI. Atlas SBI is a new way of understanding the Business Intelligence, making available to companies a traditionally complex and expensive technology in a easy and affordable way.

Atlas SBI is a web platform that allows to respond anytime, anywhere in an easy, fast and secure way to all the needs of information for decision making: what has happened, what is happening and how to improve.

All in a tenth of the time as the rest of platforms

Key Words: Business Intelligence, Open Data, Analytics, Dashboards, KPI, Reporting

Company

PROYECTOS EN GESTIÓN DEL CONOCIMIENTO

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www.atlassbi.com

Roomonitor is the first noise monitoring service designed to prevent noise complaints at Short Term and Vacation Rentals. If the noise levels exceed the customized settings, Roomonitor instantly sends a noise violation alert by telephone, email and sms to whom you have designated, it can be the manager, the guest or the night service. Because the neighbours shouldn't have to be the noise monitor of the short rental.

Company

ROOMONITOR

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Stand

C371

www.roomonitor.com

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In RunIoT we develop innovative IoT solutions to increase the business efficiency of our customers. Through our platform and our plug & play IoT devices, which are connected to our platform, we offer a fully custom IoT experience to fulfil the needs of our clients. Our main IoT solution is the temperature control of refrigerators of supermarkets, pharmacies, hospitals and laboratories, where a cold chain breakdown is most likely.

Since IoT is not just about connecting devices to Internet, RunIoT is about building long-term relationships to transform businesses, redraw industry boundaries and create real value to our customers.

Company

RUNIOT

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www.runiot.io

Sense4Care is focused on improving the quality of life of people with dependency and chronic diseases through ICT. Our team of professionals has a large track and experience on e-health and healthcare domains. Sense4Care's first product in the market is the Angel4 fall detector, a highly reliable, comfortable and easy to use device designed specifically for people with mobility problems. We also have a longstanding experience in the field of Parkinson's disease. This knowledge will result in a pipeline of products addressing the on-line monitoring of motor symptoms associated with the disease and its eventual use for therapeutic purposes.

Company

SENSE4CARE

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www.sense4care.com

Sensors meet traffic

Sensefields is a provider of Intelligent Transportation Systems (ITS) for traffic management based on wireless magnetometer sensors placed on roads, highways, urban areas and parking.

Sensefields offers solutions for obtaining and managing traffic data as intensity, occupancy levels, classification and speed measurement of vehicles on permanent or temporary stations, combined with a powerful analytics traffic data platform.

The technology is being used by multiple customers like highways concessionaries, urban mobility managers and parking managers. These usage scenarios are characterized by a high density of vehicles and high accuracy requirements of data as well as real-time integration of captured data.

Company

SENSEFIELDS

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Sensing Tex, a company specialized in the development and commercialization of **pressure sensor mats for sport and health industries**.

We work with companies and brands throughout the world that are willing to innovate. Pressure sensor mats are a combination of elastic, breathable, large area pressure mapping sensors, and they can be used to measure body movement, balance distribution, different shapes, pressure patterns, impact analysis, postural analysis, exercise count and repetitions, etc. We help our clients to improve their products by integrating our smart textile pressure sensors and connecting them to the IoT, making users lives easier.

Company

SENSING TEX

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www.sensingtex.com

We offer IoT solutions to organizations in different sectors including telecom, energy providers, healthcare, buildings construction and management, hardware and appliance manufacturers, retailers, insurance companies and Smart Cities. Our platform is a complete IoT end-to-end solution that easily integrates with existing communication network, monitoring tool or control systems. It connects to any device including sensors, actuators, appliances, meters, wearables, smartphones, smart home and building devices (thermostats, lights, energy plugs, air conditioning, heaters, etc.), cameras, locks, etc.

Company

SENSING & CONTROL SYSTEMS

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B271	5

www.sensingcontrol.com

SIARQ is a creative company from Barcelona working for ZERO Emissions cities.

Driven by innovation and design, SIARQ creations combine the latest technological solutions in photovoltaics and IOT sectors
with an efficient design inspired by nature.

SIARQ offers the **SOLAR HUB** a new concept of **smart urban furniture**, able to combine street lighting, micro-generation of solar energy and support for smart technologies. It is the building block to the new infrastructure at the crossroad between communications and energy.

SIARQ is leading the **SHOC program** inviting the IOT ecosystem to test technological solutions and discover new business models by co-creating this new generation of sustainable urban furniture.

get involved at **www.rethinkthecity.org**

Company

SIARQ ADVANCED SOLAR DESIGN

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SII Concatel is the Spanish presence of SII Group, a multinational company listed on the Paris Stock Exchange who operates in the field of Information and Communication Technologies. SII Group has more than 6,700 consultants and more than 50 technical centers in 18 countries around the world.

MeasureONe® is our smart solution for energy efficiency. An Energy Management Tool that has the ability to dialogue with buildings it manages, and obtain data from them to be converted into information, providing the intelligence which allows exponentially improve energy management and resources.

Company

SII CONCATEL

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The SmartDataSystem is a cloud-based platform that enables System Integrators, Hardware Providers or anyone with technical skills, to deploy IoT solutions on a wide variety of industries or to expand their existing service offering by including built-in modules for monitoring and automation.

Partners can focus on creating applications or industry specific vertical solutions for their clients while the Platform deals with connecting and managing sensors and devices irrespective of manufacturer, efficiently collecting and handling large amounts of data that can then be used to produce data-driven insights, and integrate core backend or frontend systems.

Monitoring, Automation, Energy, Platform, Middleware, Gateway

Company

SMARTDATASYSTEM

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Stimulo is a product design & innovation agency.

We help companies grow by thinking, creating and developing compelling product experiences.

We create more competitive products by merging business strategy, creativity, design and engineering.

As designers, we work across 3 different fields: Users, which will use the products we design; Technology, which will allow your technical challenges become realities; and Business, and how design will help your company make profits: PEOPLE + TECH + BUSINESS

From detecting Business Opportunities   > > > To its implementation in the market

Red Dot Awards 2014 winners for the first semi automatically Turkish coffee machine for Arzum.

www.stimulo.com

Company

STIMULO DESIGN

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STP Group is a company that provides technology, consulting and training services. When it was born in 1994 in Viladecans it was a small software development company and in 2016 it already has more than 250 employees.

The growth and development keys of STP Group have been innovative character and great team. Thanks to them, the company has become a global provider of business, consulting and project management services.

From the six different areas of the company, we apply our knowledge in design and implementation of global projects to achieve customer satisfaction.

Key words: Technology, Consulting, Training, Project Management, Global Services, Viladecans

Company

STP GROUP

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B262

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T.A.I., Tecnologías Aplicadas a la Información S.L., is a company with 20 years of experience in data processing sector, specialized in development, configuration and maintenance of the **capture** and **management** software in real time.

The modular development of the different **TAI "Q" products** allows to contribute scalable solutions in the environments of the Production, Quality, Industrial Maintenances, Accesses and Personal Presence, integrating in the only speaker all the phases of implantation, connectivity, hardware, databases and necessary adjustments.

The knowledge, the availability and the analysis of the real time information, constitutes a great added value for our clients.

Control, production, quality, real time, MES

www.taismartfactory.com

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tecsidel

Tecsidel is a company that develops and integrates advanced IT systems. We are 250 professionals, with 3 offices in Spain and 6 abroad. We provide:

Toll & ITS Systems that implement intercity and urban tolls (specifically based on free flow gantries), integrating Intelligent Transportation Systems devices to increase traffic efficiency on roads and accesses.

Logistics Systems to manage material's operations on warehouses, factories, distribution centers, fleets, etc.

IT Solutions for Governments, CSPs, and major ICT users, based on third or own products (like eAdmin or software developed to monitor/operate ICT infrastructures) and services to develop, test and maintain specific IT applications.

www.tecsidel.com

thethings.iO

thethings.iO is the IoT platform that enables fast and scalable connection of things to the Internet. **thethings.iO** allows you to connect, monitor and manage your devices in real-time, get flexible analytics reports and apply AI algorithms on the data such as predictive maintenance or assets management.

thethings.iO covers all the architectural layers of a true end-to-end IoT platform.

At **thethings.iO** we are working with dozens of enterprises connecting their products from several IoT verticals, monitoring the products and applying predictive maintenance, artificial intelligence and Big Data on the top of the data.

Company

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www.thethings.io

Triskel
Always moving forward

Founded nearly 20 years ago, Triskel Telecom is an engineering firm specialised in creating advanced hardware and software solutions, mainly for the geo-management and remote control sectors.

Triskel is an accredited provider of SigFox-based solutions and Official Supplier to companies like Cellnex Telecom, proudly contributing to their value-added market differentiation.

We have undertaken projects for:

· Ministries and Local Government
· National/regional emergency services
· National/regional broadcasting networks
· Multi-national transport companies

Our areas of expertise include environmental monitoring, energy efficiency, agro-food traceability, agricultural/urban waste management, mobile asset tracking, emergency services, telemonitoring and telecontrol of remote stations.

Company

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We were established in 2008 with a very clear foundational vision: technology based on wireless sensor networks will transform how we manage our cities.

We lead the revolution of the Internet of Things applied to Smart Cities. The projects implemented in more than 20 countries position us as the leading technology company in the development of smart solutions based on sensor systems, designed to manage urban space more efficiently and sustainably

Facts & Figures
We are working on more than 40 projects with wireless sensors in over 20 countries around 4 continents.

Company

URBIOTICA

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We are specialized in electronic product development and manufacturing for IoT and mobile phone enabled devices. We provide a complete solution including manufacturing for companies that want to develop a product that involves any kind of electronics with connectivity to the Internet.

We focus on monitoring and connectivity areas and we have a vast experience in WIFI, Ethernet, Bluetooth (2.0 and 4.0 LE) and custom RF solutions.

Our team of engineers can provide a hardware and software design optimized in cost for a given solution that can be manufactured in mass production in our facilities. We also develop the firmware and software according to the requirements of the product.

Company

VERSA DESIGN

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víntegrisTECH

VintegrisTECH is a manufacturer of innovative systems and applications for digital signatures and robust authentication which are used today by Banks, insurance company leading distributors. Our technology suite nebulaSUITE provides a global solution and guarantee authentication, privacy and integrity in both the internet of People (IoP) an internet of things (IoT), allowing organizations to take advantage of unpresented benefits such as issuing their own digital certificates, controlling their use in the cloud a signing documents with a digital certificate and/or handwritten signature with biometric control at any time and from any location. VintegrisTECH Works with 50% of Spain's leading financial institutions and insurance companies.

Company
VÍNTEGRIS

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Stand	Number
B271	1

www.vintegris.tech

VISYON is a leading international business pushing the boundaries of innovation and creativity through emerging technologies and new communication platforms.

Our projects include Product Development, Brand Services, Social Innovation and Cutting-Edge Installations.

We cover a wide range of skills to provide the whole set of services required on the production of a project. From the ideation and definition to the investigation and development. With a main focus on Virtual Reality and Augmented Reality technologies to create immersive experiences and communication tools.

Our specialties include 360 video production, CGI, app development, VR & AR headset builds, tailored installations, digital marketing,

Company
VISYON

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40

Webdom Labs manufactures and markets, hardware and software for energy monitoring. Webdom systems allow the control of PV installations connected to the grid, self-consumption and zero injection installations. Webdom data loggers are suitable for those facilities which, according to Spanish legislation, should be ascribed to Remote Intelligent Measurement and Control Center services. Webdom equipment allow reading and controlling electricity, water and gas meters, and they are used in general industrial monitoring applications. Main products and services sold: dataloggers, smart power analyzer, software monitoring, complete electrical boxes, meteorological sensors, string boxes, reading accessories, current transformers, communication equipment, and power and communication cables, between others.

Key words: PV monitoring, monitoring hardware and software, PV SCADA

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Zeyron Technologies' Smart Shower iv2 is a customizable digital thermostatic system developed to provide suitable solutions for different activity sectors (Hotels, Sports Centers, Schools, etc).

It is much more than a shower. It's a powerful and unique way to control your entire water system.

· it gives always the exact temperature and flow rate requested, regardless of the water pressure

· incorporates Smart functions as warm up, user profiles, ecoshower, etc

· Water consumption management: monitor, analysis and act.
   · Implementation of saving strategies
   · customized services
   · automatize maintenance processes

· it is a scalable system

www.zeyron.com

Company

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Stand

C371

41

zolertia™

Company

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Zolertia is a hardware and firmware experienced start-up that focuses on the development of IoT products and solutions for corporations and businesses from the Smart City, Smart Lighting and Logistics markets, making it easy and fast for these companies to design and create the needed electronics to connect their products to the Internet.

Furthermore, Zolertia provides development platforms for R+D centres, Universities and Tech companies interested in developing IoT projects.

www.zolertia.io

IoT Catalan Alliance

The **Internet of Things (IoT)** is an emerging sector with great potential for economic growth and employment generation. Currently, only 1% of things are connected, but it is expected that by 2020 there will be 50 billion Internet-connected devices worldwide, which represents about 7 devices per person.

The **IoT Catalan Alliance** is promoted by the Generalitat of Catalonia as one of the initiatives within the **SmartCAT** strategy to promote this new sector in our country. The alliance consists of a group of companies and organizations that develop and implement technological solutions in IoT.

The constitution of this group provides a great environment for the key players of this industry to define a common action plan to **promote IoT in Catalonia**.

The objectives of the alliance are:

- Identifying the companies and organizations that develop activities in this area
- Exploring the abilities and needs of alliance members
- Encouraging the exchange of information and synergies creation among members
- Providing visibility and business opportunities for all stakeholders in the value chain
- Working on behalf of the sector in the Administration or standardization institutions

Join us:

Are you a company, institution or research center whose activity focuses on the Internet of Things? Are you based in Catalonia? Want to be part of an association with more than 50 companies and research institutions that offers a meeting point to exchange information with other companies? Want to join the IoT Catalan Alliance?

Currently being a member of the IoT Catalan Alliance has no associated cost and the main requirements are attending the events and contributing use cases and news to the alliance's website.

Send an email to info@cataloniaiot.com and we will contact you to get all the necessary information to become a member.

Generalitat de Catalunya
Government of Catalonia