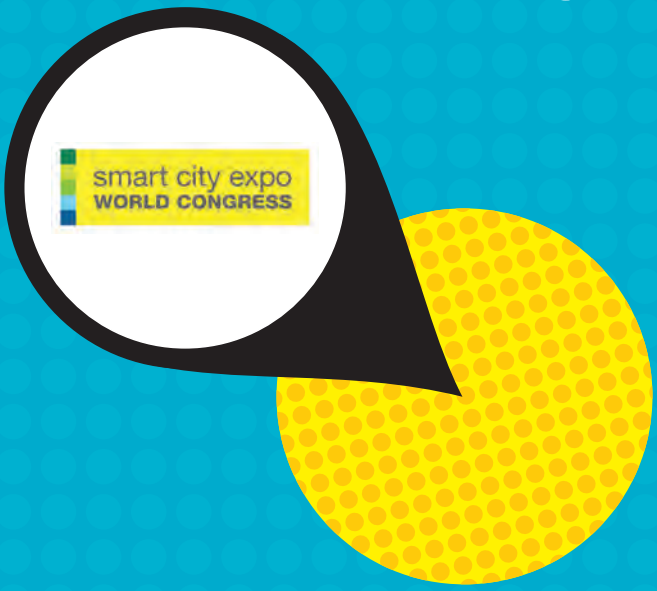
Catalan Exhibitors

Government of Catalonia stand
Barcelona City Council stand
4YFN village



Generalitat de Catalunya
Government of Catalonia

Ajuntament de Barcelona

4YFN
The startup business platform of MOBILE WORLD CAPITAL BARCELONA

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Welcome

Government of Catalonia

In recent years, Catalonia and Barcelona have become established as reference points in the smart management of the efficiency and sustainability of cities and territory. Barcelona's status as host, once again and for the fifth time running, of the Smart City Expo World Congress clearly demonstrates the favourable international positioning of our territory and of our companies.

In just a very short time, this congress has become the benchmark event for industries associated with smart cities. This is a very dynamic sector that is becoming consolidated worldwide and, in Barcelona and Catalonia, has found a first-rate showcase for in-depth exploration of future trends in the sector.

Areas such as technology, governance, sustainability, mobility and innovation are becoming increasingly important against a background in which intelligent use of information and communication technologies is essential for the economies of the twenty-first century and has a huge impact and repercussion on the public's quality and model of life.

In a traditionally industrial environment, Catalonia has technology centres, innovative companies and start-ups that have been set up to operate globally, have outstanding growth potential and are attractive to foreign investors. This catalogue contains information on over 50 Catalan companies that are attending this Congress and that clearly demonstrate the capacities of the Catalan business fabric involved in ICTs and smart cities.

A year ago the Government of Catalonia approved smartCAT, a strategy for turning Catalonia into a smartRegion and a smart territory of international renown. This Congress therefore has a very important role in this task and I hope that it helps to boost the smart, sustainable and integrating economic growth of our territory and reinforce the competitiveness of our industry, while encouraging the creation of intelligent solutions for the efficient management of cities, mobility and society at large.

Felip Puig i Godes

Honourable Minister for Business and Labour

smartCATALONIA

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

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

mobilitat SMART mobility
- 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

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

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

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

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
- Punts d'interacció amb NFC i QR
  QR code and NFC interaction points
- Realitat augmentada
  Augmented reality
- Oficines de turisme 2.0
  Tourist information offices 2.0

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

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

www.smartcat.gencat.cat

Generalitat de Catalunya
Government of Catalonia

Welcome

Barcelona City Council

Welcome to the fifth edition of the Smart City Expo World Congress, a meeting point for enterprises, professionals and administrations, a place for thinking and debating about the future of our cities and a space for the promotion of economic activity.

A smart city works on improving the quality of life of its citizens and guarantees a sustainable social, economic and urban development. It is a city that backs innovation and the use and modernisation of the new technologies so as to achieve a more efficient management of the services and resources of the city, ensuring that this reverts to an improvement in the quality of life. The smart Barcelona is a city for living: that reduces inequalities, is more human, that empowers its citizens and that takes care of the environment, by avoiding pollution and by not wasting resources and energy. Furthermore, it is committed towards a model which is economically, socially and environmentally sustainable.

That's why Barcelona is a smart city and community and one which has wanted to provide support it its business fabric, and by helping them to be present in this Trade Fair.

The City Council of Barcelona - through Barcelona Activa – participates with a corporate stand along with 20 SMEs, so as to facilitate the presence and visualisation of the most innovative projects from the sector that are being developed in the city and for the improvement of the quality of life of its citizens.

The participating enterprises and organisations are: AticSer, Avancar, Bit4id, Connecthings Iberica, Ctrl4 Enviro, DocWolves, Datalong, Ecobam, Eixverd, Equilivrium, FAD, Itequia, Mass Factory, Omega Peripherals, Opentrends, Sinapse, Sitecno, Smart Luminia, Zicla and Aplicacions Electriques ENE

Their activity is an example of the wide range of products and services and applications within the sector of urban innovation, with a notable impact on the improvement of the quality of life of the citizenship and its social return, as well as integrating elements of urban ecology and sustainability.

We invite you to visit them, and hope that you very much enjoy this event.

Agustí Colom

Councillor for Employment, Enterprise and Tourism, Barcelona City Council

SUMA BARCELONA A LA TEVA EMPRESA, JUNTS GENEREM OCUPACIÓ

VINE A L'OFICINA D'ATENCIÓ A LES EMPRESES

TOTS ELS SERVEIS PER A L'EMPRESA EN UN SOL ESPAI:

ASSESSORAMENT - CONSTITUCIÓ D'EMPRESES - TRÀMITS - FINANÇAMENT - FORMACIÓ
ASSESSORAMENT EMPRESARIAL - CERCA DE TREBALLADORS - ESDEVENIMENTS - NETWORKING

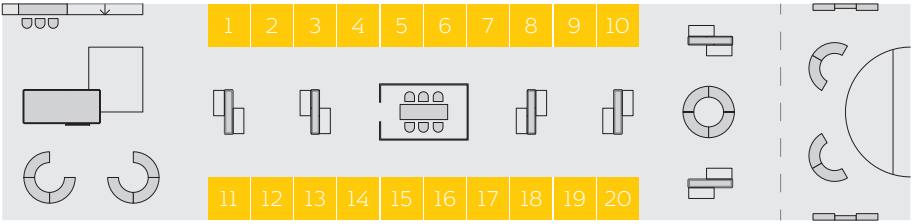
Informa-te'n a ***bcn.cat/empresa***

Barcelona Activa

Ajuntament de Barcelona

Government of Catalonia

Stand **D449**



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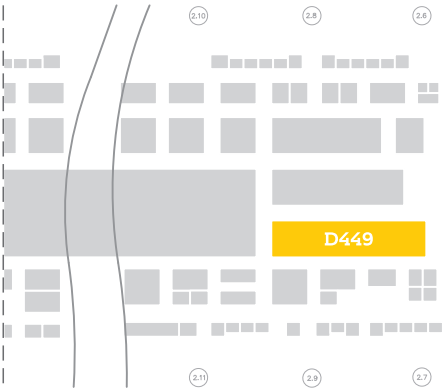
Location in the venue



Hall 2

Government of Catalonia
Stand D449

Company	ADTEL
Address	Av. Barcelona, 211, Nau 7 P.I. El Pla 08750 Molins de Rei
Webside	www.adtel.es
Contact	Laura Paulo / laurapaulo@adtel.es

ADTEL SISTEMAS DE TELECOMUNICACIÓN S.L. is a company dedicated to providing telecommunication services with high specialization in audiovisual transmission and communications via radio and multimedia.

ADTEL is an independent private equity group.

aggaros

Company	AGGAROS
Address	Àvila, 112 3-B / 08018 Barcelona
Webside	www.aggaros.com
Contact	Marc Realp / mrealp@aggaros.com

Aggaros is a business and technical consulting company specialized in Information and Communication Technology.

We began our activities in 2003 as an initiative of telco professionals offering a new consultancy service model: a solid, permanent and practical commitment to apply operational experience to the market.

Aggaros offers end-to-end consulting services totally focused on achieving customers technology leadership and business success in domains such as FTTH, ICT transformation, IoT and Smart Cities.

Aggaros proposal on Smart Cities is to apply our know-how on strategy and technology to improve governance in medium and small cities, to fulfill their citizen needs.

Company	CIGO! by Sparsity
Address	Jordi Girona, 1-3 / 08034 Barcelona
Webside	www.smart-cigo.com
Contact	Josep Lluís Larriba / larri@sparsity-technologies.com

CIGO! is a a cloud platform to ease the deployment of mobility policies towards an efficient, balanced and citizen-oriented Smart City. CIGO! is a Web App and a set of associated Mobile Apps designed to ease the deployment of mobility policies in an innovative way that benefits the city government, points of Interest, shops & restaurants in the city and mobile apps providers, while citizens and tourists get personalized routes around the city. CIGO! is developed by Sparsity,a spin-off company from UPC-Barcelonatech.

Sparsity is specialized in the analysis and management of large amount of data (Big Data) and has a long trajectory partnering with big players like IBM, Oracle and CA Technologies, and collaborating in a large number of R&D projects funded by the EU. Thanks to these efforts, in 2015 Sparsity has been named as the SME with highest innovation capacity in Europe by the European Commission.

CITCEA

Company	CITCEA-UPC TEKNOCEA
Address	Jordi Girona, 31 / 08034 Barcelona
Webside	www.citcea.upc.edu
Contact	Jordi Giral / jordi.giral.guardia@citcea.upc.edu

CITCEA-UPC is a technology transfer center which was created in 2001 within the UPC (Universitat Politècnica de Catalunya, BarcelonaTech). It is formed by 9 UPC professors, 9 PhD, 20 hired engineers and its expertise lies in all kinds of applications where control of energy and/or movement are needed. In this area the technologies developed are: electricity, control, power electronics, communications and industrial control with digital processors. The applications of these technologies range from automation of processes and machines to renewable energy and the electric grid related systems, among many others.

TeknoCEA is the Spin-off created by CITCEA-UPC.

Company	CTTC
Address	Av. Carl Friedrich Gauss, 7 / 08860 Castelldefels
Webside	www.cttc.es
Contact	Christos Verikoukis / cveri@cttc.es

The Centre Tecnològic de Telecomunicacions de Catalunya (CTTC) is a non-profit private research center, resulting from a public initiative of the Regional Government of Catalonia (Generalitat de Catalunya). The CTTC receives financial support from the Generalitat de Catalunya, from the R&D projects where the Center participates (i.e. via competitive funding scheme) and from contracts from the industry. 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, being those activities organized into four distinct research divisions: Communication Networks, Communication Systems, Communication Technologies and Geomatics.

DOXA
INNOVA & SMART

Company	DOXA INNOVA & SMART
Address	Josep Irla i Bosch, 1-3. Planta 5 / 08034 Barcelona
Webside	www.doxais.com
Contact	Pedro Lisbona / plisbona@doxais.com

DOXA INNOVA & SMART is a **business consulting** firm with over 25 years of experience, that uses **ICT** and **open innovation** to promote **continuous improvements** in organizations and their competitive edge –being them private companies or governments.

We offer a **realistic** and **executive** consultative vision with a clear business focus and close relationship with our clients.

In fact, our goal is to *"make things happen"*, so we accompany our clients from the beginning until they have reached their objectives.

Our **offering** reflects the pillars of our company, going from **Smart**, **Digital Transformation** and **Efficiency** to **TMT & Entertainment** and **Partnering**.

Company	DRONETHUNDER
Address	Jordi Girona, 1 / Campus Nord Upc ed. K2M 08034 Barcelona
Webside	www.dronethunder.com
Contact	Marcel Medina / info@dronethunder.com

DroneThunder is formed by a team of engineers and analysts with its headquarters in Barcelona, inside the Polytecnical University of Catalonia (UPC) campus. We are specialized in creating software for drones.

Our core business focuses on automatic security surveillance and services for the inhabitants of smart cities.

Our background in sensors, big data and video analytics provides us with the ability to offer a state-of-the-art solution which gives us the possibility to collect and manage data from indoor and hard to access places.

eurecat
Centre Tecnològic de Catalunya

Company	EURECAT
Address	Av. Diagonal, 177 planta 9 / 08018 Barcelona
Webside	www.eurecat.org
Contact	Gemma Batlle / gemma.batlle@eurecat.org

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	I2CAT
Address	Gran Capità, 2-4 edifici Nexus I, 2a planta 08034 Barcelona
Webside	www.i2cat.net
Contact	Joan Manel Martín / fundacio@i2cat.net

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, 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 technologies, with the aim to develop new products, services and applications in the fields of eHealth, Smart Cities & Smart Regions, Advanced Manufacturing and Culture & Creativity.

inAtlas®

Company	INATLAS
Address	Vilamarí 50, planta 8 / 08015 Barcelona
Webside	www.inatlas.solutions
Contact	Luis Falcón / Silvia Banchini / info@inatlas.com

inAtlas is a ICT company specialized in BIG DATA and Location Analytics that offers online business solutions. It has created a proprietary technology that increases the speed of geospatial data processing. Develops and manages customized tools for private and public companies as well as a Self Service Online Web app, inAtlasPlaces, that helps entrepreneurs and small businesses to choose the right location for their businesses. Calculates and shows on maps data of potential customers, competitors, social media opinions and real estate prices, continuously updated. inAtlas improves the effectiveness of geomarketing and expansion strategies, supporting decision making processes based on location.

IntesisHome®

Company	INTESIS
Address	Milà i Fontanals, 1Bis / 08700 Igualada
Webside	www.intesishome.com
Contact	Josep Cerón / info@intesis.com

IntesisHome is a service in the cloud that provides a new and attractive experience to the users to control their home, from anywhere, anytime, through smartphone, tablet or internet browser.

IntesisHome makes your AirCon smarter than ever. Turn the air conditioning on before arriving home, turn it off if forgotten, configure a calendar scheduler, check the energy consumption, get alarm notifications, historical data…

IntesisHome also provide a Public API to allow 3rd party companies to create new features for customers. We are creating new devices to increase and enhance the users experience controlling their home.

IOTLABS

Connecting the world

Company	IOT LABS
Address	Jordi Girona 1-3, Edifici K2M / 08034 Barcelona
Webside	www.iotlabs.solutions
Contact	Alejandro Cirera / acirera@roawds.com

IOT Labs is a private incubator company dedicated to developing vertical solutions for the Internet of Things. Current initiatives include Roawds (connected vehicle solutions), Dr. Otto (preventative healthcare management solutions), Things-Link (connected objects), iOT Retail (point-of-sale monitoring and intelligence for retail environments), and SmartIndustry (management and connectivity in productive processes for industrial environments).

Roawds (www.roawds.com) offers connected vehicle solutions by customizing hardware (devices), software (apps) and web-server systems in the cloud, delivering B2B services for companies. The current partners are Accenture Digital, Bosch, IBM and RACC.

Roawds will present at the Smart City Expo this year the ROAWDS MOVE product, the latest technology for smarter & safer vehicles.

Roawds aims at becoming a reference company within the connected vehicle sector by providing state-of-the-art technology for vehicles.

LEDMOTIVE
Turn on the future

Company	LEDMOTIVE
Address	Jardins de les Dones de Negre, 1, PL 2 08930 Sant Adrià de Besòs
Webside	www.ledmotive.com
Contact	Manel Forcales / mforcales@ledmotive.com

Ledmotive is a high-tech start-up company with international projection in the growing market of intelligent LED lighting. Ledmotive's patented technology is able to create, record, process, playback and share any light without boundaries. Our lights are connected to the Internet of Things and can perfectly reproduce the properties of visible light, in a similar way an MP3 player can reproduce the properties of sound. Moreover, our technology along with its mobile application defines a light that is adjustable, versatile, dynamic, sustainable, and constitutes the link between high quality LED lighting and the digital word.

OPTICITS
TOWARDS RESILIENCE

Company	OPTICITS
Address	Sant Joan de la Salle, 42, Oficina 4.11 08022 Barcelona
Webside	www.opticits.com
Contact	Ignasi Fontanals / ifontanals@opticits.com

Startup created after a research project conducted by IQS and Barcelona City Council that has created HAZUR, a solution to asses and manage urban resilience. The company is currently helping cities worldwide to create resilience offices thanks to certified city experts trained to work with the platform to develop resilience action plans, coordinate operators, monitor urban services and simulate city impacts.

HAZUR is changing the urban management of all kinds of cities making possible to any professional or public servant to face the new resilience thinking approach, from a social, technical and environmental point of view.

shotl

Company	SHOTL
Address	Jesus Serra Santamans, 2 08174 Sant Cugat del Vallès
Webside	www.shotl.com
Contact	Isaac Lozano / isaac@shotl.com

Shotl is the urban transportation service that adapts in real time to people's mobility needs.

Powered by real data, Shotl offers flexible and efficient trips that are as dynamic as people's everyday commute. For less than 5€ per trip, users get picked-up and dropped-off within a five-minute walk in such a way that the rider's experience is not only positive but consistent, reliable and sort of fun.

Download Shotl's smart-phone App, insert your destination, connect with a ride going your same way and get picked-up in just a few minutes; on board navigation will guide your driver to your final destination.

At Shotl, we believe on demand transit can be reliable and cost-effective. Our vision is to leverage data science and big data to provide a more efficient transportation system that has demand aggregation at its core.

Starlab®
Living Science

Company	STARLAB
Address	Avinguda Tibidabo, 47 Bis / 08035 Barcelona
Webside	www.starlab.es
Contact	Laura Moreno / laura.moreno@starlab.es

Starlab's mission is to transform science into technologies with a profound and positive impact on society. Our main areas of work lie in the Space and Neuroscience sectors, two key areas for the 21st century with a common element: the increasing availability of streams of information. We provide technical solutions, products and services for governments, industry and downstream markets.

We are market-aware and market-driven: in Space (through our Space Engineering and Star2Earth Business Units) and Neuroscience (through our Neuroscience Research Business Unit and our spinoff Neuroelectrics) have great impact in and through several key markets, including environment, energy and health.

tecsidel

Company	TECSIDEL
Address	Castanyer, 29 / 08022 Barcelona
Webside	www.tecsidel.com
Contact	Ramon Figueras / ramon.figueras@tecsidel.es

Tecsidel is a company that develops and integrates advanced IT systems. We are 248 professionals, with 3 offices in Spain and 7 abroad. We provide:

· Toll & ITS Systems that implement intercity and urban tolls (specifically free flow), integrating Intelligent Transportation Systems devices to increase the 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 to monitor / operate ICT infrastructure) and services to develop, test and maintain specific IT applications.

transversal Business international
sustainable smart city technology solutions

Company	TRANSVERSAL BUSINESS
Address	Ballester, 21-23, 3r 4a escala 1 / 08023 Barcelona
Webside	www.transversalbusiness.com
Contact	Xavier Costa / xavier@transversalbusiness.com

Cities that Listen: IBeacons & Eddystones plus Apps ecosystem based system to provide interactive communication with public transport users and a whole new universe of services in a new paradigm of public transport.

PowerInHouse: A 100% sustainable energy management system for dwellings, both homes and industrial. It combines a customized engineering plan with electronics/hardware and automation systems to reduce consumption and operational costs, while providing better experiences to the users.

webdom
Renewables under control

Company	WEBDOM LABS
Address	Pol. Ind. Santa Anna, 1, km 4.2 / 08251 Santpedor
Webside	www.webdom.es
Contact	Cristina López / clopez@webdom.es

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.

Xpresa Geophysics

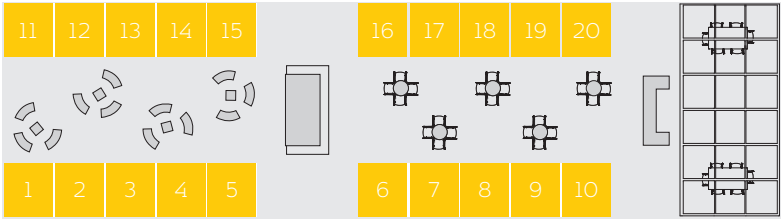
Company	XPRESA GEOPHYSICS
Address	Gutenberg, 3, 4rt F / 08224 Terrassa
Webside	www.xpresageo.com
Contact	Carles Colás / ccolas@xpresacorp.com

XPRESA GEOPHYSICS has developed GEOSCAN^{HD}, a system of detection, identification and 3D graphical representation of buried services beneath our cities.

GEOSCAN^{HD} is a non-destructive method, as if it were an X-ray allows accurate visualization and geolocation of services buried in our cities.

Barcelona City Council

Stand **D448**



1 ECOBAM
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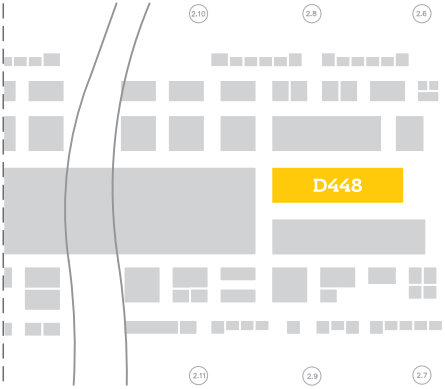
Location in the venue



Hall 2

Barcelona City Council
Stand D448

Company

Barcelona City Council **D448** / Stand **10**

APP&TOWN

Going with you

Company	APP&TOWN BY MASS FACTORY URBAN ACCESSIBLE MOBILITY, S.L.
Address	Avda. Can Domènech, Edifici Eureka Campus UAB / 08193 Cerdanyola del Vallès
Webside	www.appandtown.com
Contact	Faustino Cuadrado Capitán faustino.cuadrado@massfactory.com

High-tech company spin-off of the UAB following final project of 7 students led by PhD Jordi Roig with the aim to create innovative products adding value to Society.

The first objective, the mobile App OnTheBus, Public Transport planner, was the first service developed, following Universal Design principles and including proprietary turn by turn navigator so accurate that groups with reduced mobility including elderly, cognitively and even visually impaired can use it.

OnTheBus became App&Town Going with you, multimodal, multiplatform and with collaborative intelligence.

Compagnon, System to plan Public Transport routes and guide and keep track of people with cognitive disabilities.

TECH4FREEDOM

Company	ATICSER
Address	Travessera de Gràcia 54-56, 1r 4a 08006 Barcelona
Webside	www.tech4freedom.net
Contact	Jaume Cunill Gutierrez / jaume@tech4freedom.net

We provide social and economic value to all society,

CREATING ACCESSIBILITY THROUGH TECHNOLOGY.

What we do!

Improve the autonomy and security of BLIND PEOPLE by CREATING WEARABLES AND MOBILE APPLICATIONS.

Improve the accessibility of cities and corporations by PROVIDING THEM WITH OUR ELECTRONIC DEVICES AND MOBILE APPLICATIONS, which are also designed to create economic and social value for the all society.

...and we do so, CREATING FUNNY, EASY TO USE AND INEXPENSIVE wearables, electronic devices and mobile applications, in order to be accessible and affordable FOR AS MANY PEOPLE AS POSSIBLE all over the world.

And traveling the way with the valuable assistance of our development partner, aTICser Consulting.

Company

Barcelona City Council **D448** / Stand **2**

avancar

a zipcar company

Company	AVANCAR
Address	Carrer Pallars, 457 / 08019 Barcelona
Webside	www.avancar.es
Contact	Ignasi Fabregas Mas / ifabregas@zipcar.com

Avancar is a car sharing company that offers cars and vans by the hour or day. This kind of service reduces fixed costs for consumers and companies, making their journeys more efficient and promoting the sustainability of cities; for many people, Avancar it's a smart transport service that allows families and companies to have a rational model of mobility and costs.

Company	BIT4ID IBÉRICA, S.L.
Address	Marie Curie, 8-14 / 08042 Barcelona
Webside	www.bit4id.com/es/
Contact	Juan Carlos Valero Sánchez / JCV@bit4id.com

Bit4id was established in 2004 aiming at developing simple, secure and homogeneous technologies for authentication, digital signature and cryptography. The Company has presence in several European and non-European countries, like Spain, Italy, Portugal, England, Poland, Macau and Peru. Bit4id works in the field of cryptography and digital identity, making use of the PKI (Public Key Infrastructure) technologies. As a result of our experience in the field, the company has come out with the idea of integrating devices for authentication, digital identity and cryptography oriented to various sectors as: Certification Authorities, Health and Education, Financial Entities and Public Administration.

Connecthings

Company	CONNECTHINGS IBERICA S.L.
Address	València, 307 / 08009 Barcelona
Webside	www.connecthings.com/es
Contact	Louis-Alban Batard-Dupré / lab@connecthings.com

Citizens seek to get pertinent information and services that is often hard to find while walking in a city.

Connecthings' solution provides the perfect answer to create a new media in cities, engaging an audience with the right information at the right time in the right place. For example, just approach your everyday bus shelter with your mobile to access next arrival schedules and multi-modal options through real-time notification!

Connecthings delivers AdTag™, a SAAS platform that links physical and digital worlds using mobile technologies (iBeacon, NFC tag, QR codes, Wifi) providing context aware mobile services. This infrastructure can be "open" as an interactive hub so that an ecosystem of public and private apps can interact with the cities and make them, smarter, more resilient and interconnected. This is what we call "THE INTERNET OF PUBLIC THINGS".

Company	CTRL4 ENVIRO, S.L.
Address	Avda. Can Domènech, Edif. Eureka, Campus UAB 08193 Bellaterra
Webside	www.ctrl4enviro.com
Contact	Anton Gomà Huguet / anton.goma@ctrl4enviro.com

Sensoring, monitoring and environmental control

Ctrl4 Enviro deploys sensors to monitor the environment, while it uses the gathered information to automate processes. Among sensors, it develops its own ones based upon the analysis of thermal images. From the detection and measurement of a polluting gas to the long-range counting of people, Ctrl4 Enviro processes and serves information to actuators, databases and to any suitable device of the final user.
During Mercè 2015 Fests, it has provided to Barcelona City Council the information of the number of accesses to La Ciutadella and Montjuïc venues, processed by its own computer vision algorithms.

Company	DATALONG16
Address	Edif. Eurocentre. Ronda Europa, 60. 5º 1ª 08800 Vilanova i la Geltrú
Webside	www.datalong16.com
Contact	Griselda Miralles Ferrer / gerencia@datalong16.com

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, 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.

Company	DOCWOLVES SPAIN, S.L.
Address	Avda. Josep Tarradellas, 38 / 08029 Barcelona
Webside	www.ourmeeting.eu
Contact	Eduard Vendrell Anguren eduard.vendrell@docwolves.com

OurMeeting by **DocWolves** is the complete Cloud/Mobile solution for paperlesss meeting. It offers both meeting organizers and meeting members various options that help them save a lot of work and time. Using OurMeeting is attractive because it is convenient, safe and simple to use.

OurMeeting is a registered trade name and trademark of DocWolves B.V., a Dutch company founded in 2009 by Chris Bevelander (CFO) and Rens Groeneveld (CEO). Robbert Schwippert (CIO) joined in 2011. Today, DocWolves has grown into a close-knit team of enthusiastic professionals, with branches in Paris and Barcelona. DocWolves cooperates with Good Technology and operates therefore worldwide.

ECOBAM®
Innovación y Tecnología en Seguridad Vial

Company	ECOBAM EUROPA, SL
Address	Aiguafreda, 24 08480 L'Ametlla del Vallès (Barcelona)
Webside	www.ecobam.eu
Contact	Juan Esteban Beriain / juan.esteban@ecobam.eu

ECOBAM are speed bumps devices bike lane dividers and vials dividers, made in Cast Iron (Nodular) with 10 year warranty, also fulfilling the regulations of the Transport Ministry FOM 3053/2008, it comes with LED lighting, and systems anti-theft, able to support heavy traffic or high intensity of vehicles makes them unique in the market.

The product is Smart City because it is able to detect pedestrians in pedestrian cross, vehicles or detect high average speeds in pacify areas and send light signals to drivers to prevent accidents and save lives.

Eixverd
Cobertes vives. Cel blau.

Company	EIXVERD
Address	Bruc, 29 / 08010 Barcelona
Webside	www.eixverd.cat
Contact	Lidia Calvo Garcia / lidia@eixverd.cat

Using innovative business solutions **Eixverd** promotes projects to adapt to climate change at the currently underused urban rooftops to improve city resilience and a higher quality of urban life. Green roofs, urban gardens, renewable energy and cool roofs improve the building's energy efficiency and promote renewable energy while reducing city temperatures, absorbing CO2 and polluting particles and improving stormwater management. Urban gardens strengthen the social fabric, circular economy and waste management. Eixverd designs, installs, maintains and manages long-term operation of urban gardens.

Company	APLICACIONS ELÈCTRIQUES ENE
Address	Carrer Nou Barris, 15 Local / 08042 Barcelona
Webside	www.enetelecom.com
Contact	Gabriel Mesquida / gabriel@enetelecom.com

ENE has always showed a strong presence in the communication sector thanks to our ability to adapt to a market in constant evolution.

Our innovation attitude allows us to become pioneers implementing and integrating the ultimate technologies (WIMAX, WIFI, CCTV) at our clients premises (public and private sector, small or large entities). Thanks to these technologies our clients achieve great improvements in their productive processes and important economic advantages immediately.

The flexible capabilities of the implemented solutions allow our client to maintain updated technologies and minimal inversion costs in front of technological renewals.

Equilivrium Solutions

Smart City Solutions

Company	EQUILIVRIUM SOLUTIONS S.L.
Address	Travessera de Collblanc 3 bajos 08904 L'Hospitalet de Llobregat
Webside	www.equilivrium-solutions.com
Contact	Javier Fernández López jfernandez@equilivrium-solutions.com

Equilivrium Solutions dedicated to search and develop smart city Solutions focused in 4 social and technological environments to promote the change:

- Smart Living: Help cities to became a perfect place for people to develop their personal projects.
- Smart Economy: A city that increases opportunities for persons and enterprises.
- Smart Environment: A city that improves climate environment conditions.
- Smart Government: A city with an efficient Public Administration and good resources management.

Equilivrium Solutions portfolio of solutions is based in the following issues:

- Urban Incidents App.
- Smart Lighting Solutions.
- Water Solutions.
- Oil and gas.

Glass Shelter Step Lux

Company	FAD / Foment de les Arts i del Disseny / Materfad, centre de materials de Barcelona / Borgos Pieper, arquitectes.
Address	Plaça de les Glòries Catalanes, 37-38, Edifici Disseny Hub Barcelona / 08018 Barcelona
Webside	www.autonomousbusshelter.com
Contact	info@materfad.com / info@borgospieper.com

Autonomous Bus Shelter is the union of two projects Glass-Shelter and Step-Lux to generate energetically autonomous interactive street furniture.

Glass-Shelter A completely transparent bus stop that integrates photovoltaic cells, LED lighting and multimedia displays with interactive information. The project, awarded a Red Dot Design Award 2014, is being developed by the architects Borgos and Pieper with Cricursa as technical partner.

Step-Lux A smart pavement that transforms the transit of buses and passengers into electricity for the needs of the bus shelter, thanks to the capabilities of piezoelectric materials. The technical project is being carried out by Leitat, Elisava and Materfad.

itequia

Company	ITEQUIA
Address	Pellaires 30-38, Nau B / 08019 Barcelona
Webside	www.itequia.com
Contact	Mireia Ventura Sanchez mireia.ventura@itequia.com

Itequia is a technology services company founded in 2008. We have a solid experience developing mobility and Internet solutions. We have specific products for Smart Cities such as Routes, a native app for promoting tourist and trade routes; and AdLocal, an innovative notification and promotion system based on beacons that allow you to reach citizens in the right time and place. Routes and AdLocal services enable you to reach citizens and visitors inexpensively with apps.

OMEGA
PERIPHERALS

Company	OMEGA PERIPHERALS S.L.
Address	Travessera de les Corts 55, 1r / 08028 Barcelona
Webside	www.omega-peripherals.com
Contact	Albert Casadejust Cristina acasadejust@omega-peripherals.com

Omega Peripherals is a systems integrator company that offers solutions for storage, backup, server and desktop virtualization, cloud computing and big data. It's also focused on developing smart city Solutions, specially applications for urban incidents.

opentrends

Company	OPENTRENDS SOLUCIONS I SISTEMES, S.L.
Address	Veneçuela, 105, 1r A / 08019 Barcelona
Webside	www.opentrends.net
Contact	Carlos Puga Moure / carlos.puga@opentrends.net

opentrends is the company behind the conception and development of the Sentilo IoT platform, as a result of the collaboration with the Barcelona City Council in the SmartCity area during last 3 years.

opentrends is a Software Engineering company, based in Barcelona and focused on custom development of specialized APP's, Portals and platforms, like Sentilo, using open source technologies.

Company	SINAPSE ENERGIA
Address	Ctra. Binéfar a Binaced Km. 7,214 / 22510 Binaced
Webside	www.sinapseenergia.com
Contact	Albert Garcia Moral / a.garcia@sinapseenergia.com

Sinapse Energía is a SME with seven years of experience. It has the aim of providing solutions to improve efficiency and contribute to energy saving in electrical networks. Sinapse participates in the common goal of a sustainable planet by making good use of existing resources. The multidisciplinary team is composed of professionals in different technological areas that allowing participating in a big variety of projects, controlling energy systems and monitoring other parameters that could be interesting for Smart Cities.

Nowadays, our activity is focused on smart streetlighting. However, we are prepared for new projects adapting our system and expertise to other smart city requirements

SiTecno
ENERGÍA - EFICIENCIA - INNOVACIÓN

Company	SITECNO S.A.
Address	Can Balmes 1-3, Zona industrial 08460 Santa Maria de Palautordera
Webside	www.sitecnosolar.com
Contact	Francisco Campos / f.campos@sitecno.eu

SITECNO produces high-performance solar PV panels, solar equipment, complete solar energy kits for on & off-grid self-consumption, solar LED street lights and solar water pumps. Since 2007, we have PV panel manufacturing capacity of 50MW in Barcelona and start manufacturing of complete solar solutions as plug and play kits in 2014.

SITECNO is a company with 25 years experienced team of professionals in solar industry, which maps the entire photovoltaic value chain, from designing to development of high-quality solar energy kits for smart cities. We are experienced and reliable partner as experts for solar energy projects.

smart luminia

Company	SMART LUMINIA, S.L.
Address	Via Augusta 211, 1-3 / 08021 Barcelona
Webside	www.smartluminia.com
Contact	Carlos Hospital / chospital@smartluminia.com

Smart Luminia sells Smart Lighting Solutions. We provide full solution for managing lights using wireless technology. We provide Street light controllers + cloud software application that allows reduction of energy and maintenance costs, improving quality of service. It can be used for diming, on/off scheduling, getting power consumption, manage alerts, reporting, assed management, etc.
Our solution is robust and easy to install, it is an open solution as it could be installed in any kind of fixture.

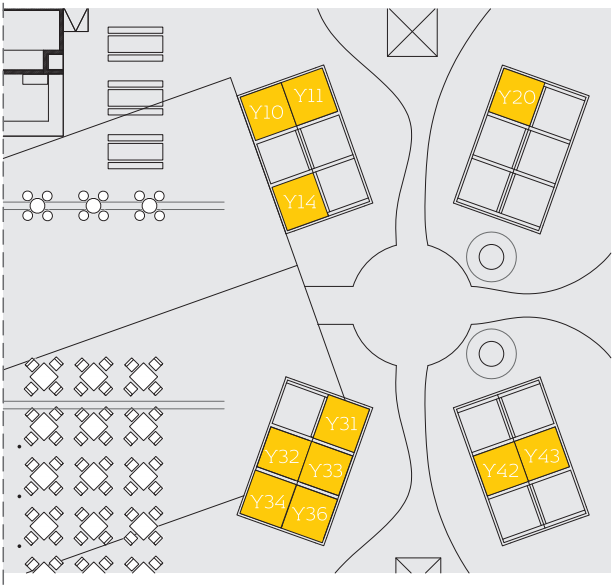
ZICLA

Company	ZICLA
Address	Ramon Turro 100-104, 4t 3a / 08005 Barcelona
Webside	www.zicla.com
Contact	Jose Manuel Abel Bernet / jmabel@zicla.com

Innovation in the cities with recycled products.

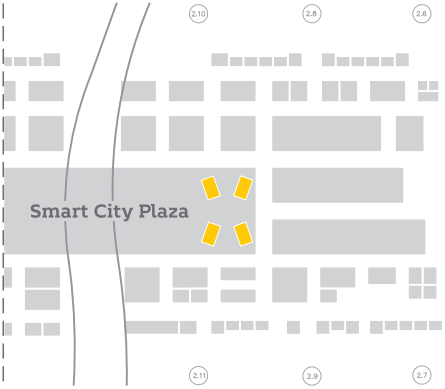
In **ZICLA** we consider waste as an opportunity to improve life quality, and we provide solutions for mobility and accessibility in the cities. We advise Administration and private companies in the reuse of waste as raw material for industrial processes. Our recycled products are already installed in cities such as Barcelona, Madrid, London and Washington DC. For example, our bike lane separator and our modular boarding bus platforms for bus accessibility. Our innovations are designed and based, both in circular economy and creativity.

Smart City Plaza



Y10 MINUBE
Y11 MAPP4ALL
Y14 LINK
Y20 YUP!CHARGE
Y31 THE SOCIAL COIN
Y32 AUTHENTICITYS
Y33 ZOLERTIA
Y34 ENERHUB
Y36 OPENEVIDENCE
Y42 NEARBYSENSOR
Y43 ADAPTIVECITY

Location in the venue



Hall 2

4YFN village
Smart City Plaza

Familyar

Company	ADAPTIVECITY (FAMILYAR)
Address	Solsonés, 2. Pol. Ind. Mas Blau 08820 El Prat de Llobregat
Webside	www.adaptivecity.com
Contact	Andrea Massara / andrea@adaptivecity.com

Adaptivecity is Barcelona-based startup designing and developing clear and fluid cross-channel experiences for smart citizens. We are launching Familyar, an app to prevent loneliness and social isolation of older adults by deeply involving families and health services into the caregiving process. Familyar uses technology to foster and scale social innovation moving from an individual model of care to a network model of care. Familyar helps families, Town Councils, healthcare and social services to keep older adults in their community longer decreasing demand on the system.

Company

4YFN village **Smart City Plaza** / Stand **Y32**

gather

Authenticitys
Explore different

Company	AUTHENTICITYS/GATHER
Address	Saragossa, 95 / 08018 08006 Barcelona
Webside	www.authenticitys.com
Contact	Elena Rodríguez Blanco / elena@authenticitys.com

Authenticitys is your platform of social impact tours: We connect conscious travellers with local change makers through city experiences | Gather reinvents voting and enables consensus building that truly connects smart cities and their citizens.

Company	ENERHUB
Address	Trèvol, 43 Bajos / 08840 Viladecans
Webside	www.enerhub.com
Contact	Mònica Martínez / monica.martinez@enerhub.com

EnerHub is an innovative SmartCity Solution for efficient energy management in cities.

Built from the integration of knowledge, methodology and current technology, the tool has a high impact on society. By using the various services of the tool, city managers are able to make energy-related decisions based on its impact strategy and the improvement of sustainability.

EnerHub is a creation of EGM Energy Efficiency & Savings, a company specialized in providing new tools and services for municipal entities in benefit of the economic, environmental and social development of their citizens, and in the end, in their quality of life.

Company	LINK
Address	Carretera Alta de Roquetes, 156 / 08033 Barcelona
Webside	www.smartcity.link
Contact	Jonathan Rodriguez / jonathan@smartcity.link

LINK born of a non-profit organization dedicated to integrating people with disabilities in the services sector of the administration, in order to find a collaboration point with different service operators.

This activity has shown the need to work together connecting the services to improve the efficiency and sustainability of the smart cities of the future.

LINK is a new management system that works with NFC technology, really easy to use, connecting city elements with users, workers and managers, and allows the integration of people at risk of social exclusions.

Company	MAPP4ALL
Address	Balmes, 23 / 08007 Barcelona
Webside	www.mapp4all.com
Contact	Josep Esteba / jesteba@mapp4all.com

Mapp4All promotes accessibility and tolerance for everybody through an application that allows users to evaluate and incorporate the accessibility information of the places they visit.

Problems

Accessibility information is not available any where

- People with special needs, or people in their circles, cannot find accessibility information anywhere.
- Companies cannot tell the world that they are accessible.
- The few information available today is not validated by customers.

Solutions

Mapp4all tackles these problems by:

- Information uploaded by users and by mapp4all.
- Premium member are highlighted in the app.
- User validation of the accessibility-information.

Company	MINUBE
Address	Roc Boronat, 117, 3ª planta / 08018 Barcelona
Webside	www.minube.com
Contact	Belén Carmona / belen@minube.com

Minube is one of Europe's leading travel-planning websites and apps. The Madrid and Barcelona-based company lets users find information on tourist attractions, restaurants, and hotels in over 50,000 cities worldwide thanks to tips and photos from minube's community of over 1.5 million international travelers. The minube app has been downloaded over 2.5 million times and was selected one of the Best Apps of 2015 by Google Play, as well as one of Apple's top apps for wearables and smartphones. The minube platform is available in English, Spanish, French, Italian and Portuguese, and receives over 75 million annual visitors.

nearbysensor

Company	NEARBYSENSOR
Address	Berruguete, 60-62 / 08035 Barcelona
Webside	www.nearbysensor.com
Contact	José Martí / nbs@nearbysensor.com

NearbySensor is an innovative HW/SW system that makes possible a horizontal and territorial development of smart cities, expanding not as a one-service-oriented but as a general city infrastructure. Our scheme allows an industrialized and simplified design, installation, operation and maintenance of SmartCity applications and services in an open and fully integrated platform. Users implement any service or application as an event flow, mixing physical signals, data and logical information. BI, SCADA and CMMS optional modules are also available. Its versatility, modularity, and interoperability, plus a very reasonable TCO, make NearbySensor a particularly suitable solution for SmartCity projects.

Company	OPENEVIDENCE
Address	Rambla del Poblenou, 156 / 08018 Barcelona
Webside	www.open-evidence.com
Contact	info@open-evidence.com

Open Evidence is a spin-off from UOC formed by professors, researchers and consultants with more than 20 years of experience in applied research and consultancy. We offer research-based evidence and practical support for the public and private sector: we deliver theory-based and empirically robust practical insights for innovative and inclusive policies and strategies. Our team provides high-level scientific and technical expertise matched by experience in applied policy work, which enables us to extract policy sensible and feasible recommendations from very sophisticated scientific work.

THE SOCIAL COIN™

Company	THE SOCIAL COIN
Address	Roc Boronat 117, 2n / 08014 Barcelona
Webside	www.thesocialcoin.org
Contact	Ivan Caballero / icaballero@thesocialcoin.org

The Social Coin: Meaningful civic engagement to build human cities.

The Social Coin engages citizens into social challenges through their good deeds, to create meaningful communities.

The Social Coin for cities offers a digital platform combining mobile and web that engages citizens and increases their impact. Governments can improve their trust, thanks to real time metrics on the city challenges and communities behavior.

Positive behavior becomes a new layer of reputation for the new economy, based on what you do and the impact it has in the world. The Social Coin's SPARK is based in Blockchain technology and has an open API to be connected with every single City Coin or citizen rewarding system.

Company	YUP!CHARGE
Address	Carrer Alimentació, 2-4 P.I. La Ferreria 08110 Montcada i Reixach
Webside	www.yupcharge.com
Contact	Branco Calleja / info@yupcharge.com

Yup!Charge is the leading manufacturer of mobile phone charging stations, allowing users to charge their devices on the go. With ecological charger Soleo, company is committed with renewable energies, such as solar energy and hydraulic power, in order to provide charging services and also connectivity 2.0 for citizens. An iconic solution that combines new technologies and sustainability to connect people within the future smart cities.

zolertia™

Company	ZOLERTIA
Address	Barcelona Advanced Industry Park, Marie Curie 8-14 08042 Barcelona
Webside	www.zolertia.io
Contact	Albert Manjon / info@zolertia.com

In **Zolertia** we are focused on the development of Internet of Things hardware products for corporations and business.

We help companies to design and create products connected to Internet in an early-stage and in a second phase to bring this product to the market through the massive production and the certification process. We are bringing to this companies the possibility to create IoT products fast and easily with our long range and ultra low-power consumption technologies saving time and investment in RD.

Our main markets are Smart Cities, namely Smart Lighting and Environment Monitoring, Industry 4.0 and Logistics.

Generalitat de Catalunya
Government of Catalonia
Ajuntament de
Barcelona