

# Catalan Exhibitors

2016

Government of Catalonia stand  
Barcelona City Council stand  
4YFN village



**Generalitat de Catalunya**  
Government of Catalonia

Barcelona  
City Council



**4YFN**

A programme of







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# Welcome

Government of Catalonia



There can be absolutely no doubt today that smart digital technologies will be the cornerstone of the economies of the 21st century: every sector of our economy and every aspect of our lives will be increasingly affected by digitalization, and indeed it is estimated that the smart technologies business, regarded as strategic, will move over 12 billion dollars by 2025. Catalonia cannot, nor wants to, remain on the sidelines of this huge future opportunity; quite the contrary.

Our country has the assets and the capacity not only to host the expansion and consolidation of this new technological industry and successfully respond to the challenges posed by an increasingly complex and connected society, in which technology is transforming our relationship, management and governance models, but also aspires to go much further by spearheading the digital revolution in which we are currently immersed. Catalonia is already a global hub of technology and a generator of competitiveness and wealth. We need to take advantage of and tap into this potential to offer high quality public services, generate professional and personal opportunities for our people, protect our essential assets such as the environment, and promote a new digital economy.

It is in this context that enshrines the Catalan Government's commitment to make Catalonia an international benchmark as a Smart Country through its smartCATALONIA initiative. This pioneering plan evolves the smart city concept into that of a smart territory, and aims to take advantage of the use and application of smart technologies, from a country-wide point of view, to engender a smarter, more sustainable and more inclusive society.

Along these same lines, Catalonia has been proud to host the world's biggest congress on this theme for the past six years: the Smart City Expo World Congress (SCEWC). The congress has become a showcase where the public and private sectors from five continents get together to present and discuss the best ideas and solutions in the smart universe. Since the first edition, held in 2011, the Congress has grown steadily, consolidating its position as the benchmark event for the technology industry and for those involved in the management and development of today's urban and metropolitan environments.

This congress, and the other technological events hosted in Catalonia (Mobile World Congress, IN3DUSTRY and the Internet of Things World Congress) represents an excellent opportunity for our entrepreneurs, our small, medium-sized and large companies, and the Catalan public authorities and institutions to spearhead the transformation of our cities and achieve a country that is more socially cohesive and more powerful and competitive in business and economically.

**Mr. Carles Puigdemont i Casamajó**

*President of the Government of Catalonia*

# 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*



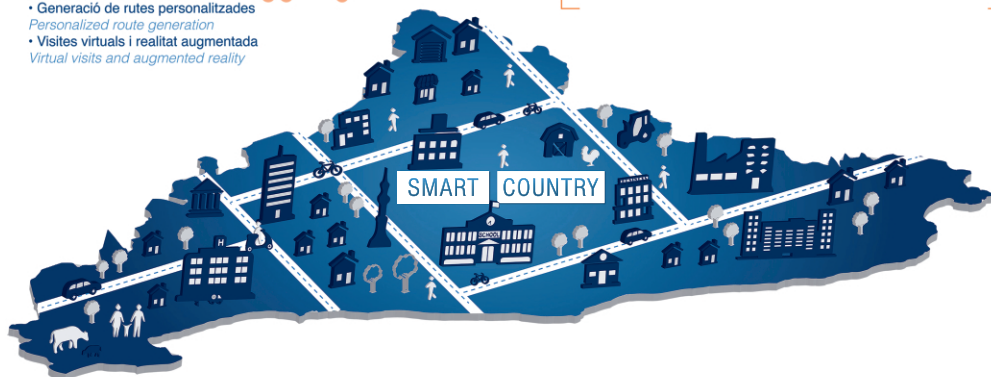
## mobilitat SMART mobility

- 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*



Generalitat de Catalunya  
Government of Catalonia

[www.smartcatalonia.gencat.cat](http://www.smartcatalonia.gencat.cat)

**BARCELONA BUSINESS SUPPORT OFFICE**

# LET BARCELONA ADD VALUE TO YOUR COMPANY, TOGETHER WE CREATE JOBS

## **WHAT A COMPANY NEEDS TO SUCCEED IS HERE UNDER ONE ROOF:**

COMPANY INCORPORATION - RECRUITMENT SEARCHES - LIAISON WITH OTHER STAKEHOLDERS IN THE CITY -  
LEGAL ADVICE - BUSINESS LOCATION - INFORMATION ON LEGAL, IMMIGRATION AND MUNICIPAL PROCEDURES

CONTACT OUR BUSINESS SUPPORT TEAM AND DISCOVER  
WHY DOING BUSINESS IN BARCELONA IS EASY!

**[BCN.CAT/BUSINESS](http://BCN.CAT/BUSINESS)**







**4YFN** | Connecting  
**Startups**

## CONNECTING *STARTUPS*

4YFN is the startup business platform of Mobile World Capital Barcelona that enables startups, investors, corporations and public institutions to discover, create and launch new ventures together.

4YFN offers unique connecting initiatives, such as custom networking activities, technical abilities workshops, congresses, community outreach and open innovation programmes.

We believe that the startup culture is the driving force for change in the economic and social fabric and, of course, Barcelona being a global tech hub is the ideal location for such creation and nurture.

[www.4YFN.com](http://www.4YFN.com)

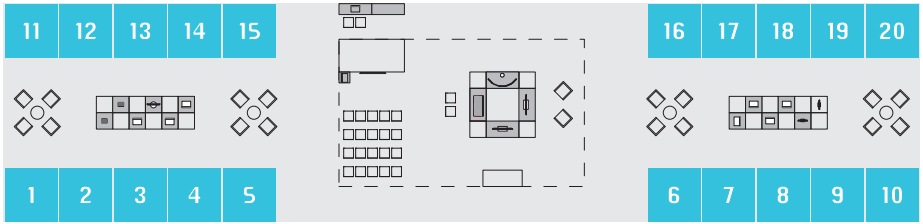
**4YFN**

A programme of



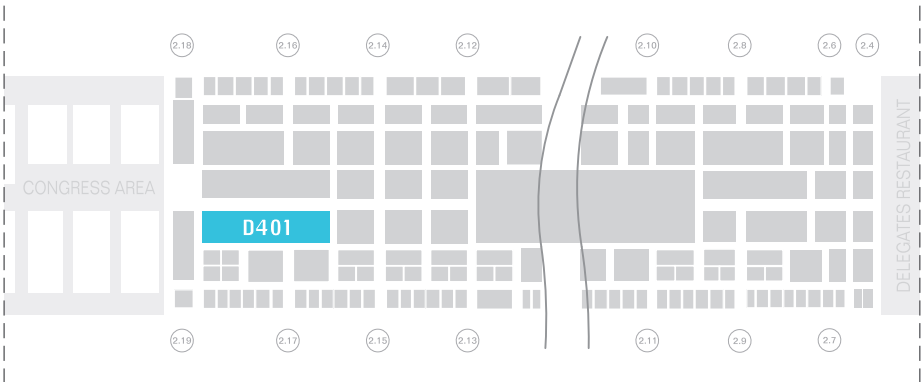


## Stand D401



- |   |                             |    |                                |    |          |
|---|-----------------------------|----|--------------------------------|----|----------|
| 1 | CTTC                        | 8  | DOXA Innova & Smart            | 15 | LEITAT   |
| 2 | BUS UP                      | 9  | CITCEA-UPC/teknoCEA            | 16 | STARLAB  |
| 3 | SIARQ Advanced Solar Design | 10 | eCooltra Motosharing           | 17 | SHOTL    |
| 4 | HEMAV                       | 11 | CIGO! by Sparsity              | 18 | U-TRANS  |
| 5 | EURECAT                     | 12 | BIT4ID                         | 19 | TECSIDEL |
| 6 | ACKSTORM                    | 13 | i2CAT                          | 20 | SAMCLA   |
| 7 | ETECNIC Energy & Mobility   | 14 | iDISC Information Technologies |    |          |

## Location in the venue | Hall 2





Government of Catalonia **D401** | Stand 6

#### Company

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ACKSTORM

#### Contact

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Jesús Salas | [jesus.salas@ackstorm.com](mailto:jesus.salas@ackstorm.com)

[www.ackstorm.com](http://www.ackstorm.com)

In Ackstorm, with over 15 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.



Government of Catalonia **D401** | Stand 12

#### Company

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BIT4ID

#### Contact

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Montserrat Delgado | [mdt@bit4id.com](mailto:mdt@bit4id.com)

[www.bit4id.com](http://www.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.



Government of Catalonia D401 | Stand 2

#### Company

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BusUp

#### Contact

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Eva Romagosa | [eva@busup.com](mailto:eva@busup.com)

**BusUp** is an innovative concept in smart mobility that allows travelers to book on-demand crowd-sourced buses, for either leisure or commuting.

Users are able to setup their own routes in the web-platform and App, to share them with their friends and colleagues, or to make them public to the rest of the world.

By employing proprietary artificial intelligent algorithms that determine optimal pick-up times, locations and vehicle routes, in combination with crowd-sourced payment modules, **BusUp** is able to offer one of the most innovative solutions in collective road transportation.

**BusUp** was created to solve a need in medium distance travels, where public transport is limited or non-existent, and where car use is not efficient in terms of cost, sustainability, or its simply less fun.

By using **BusUp** users will be contributing to the reduction of congestion and pollution, while joining a community of like-minded travelers that want to enjoy the ride, while taking care of the environment.

[www.busup.com](http://www.busup.com)



Government of Catalonia D401 | Stand 11

#### Company

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CIGO! by Sparsity

#### Contact

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Josep Lluís Larriba  
[larri@sparsity-technologies.com](mailto:larri@sparsity-technologies.com)

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 the 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 usage or expensive hardware.

[www.smart-cigo.com](http://www.smart-cigo.com)



Government of Catalonia **D401** | Stand 9

#### Company

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CITCEA-UPC/teknoCEA

#### Contact

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Jordi Giral | [jordi.giral.guardia@citcea.upc.edu](mailto: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, 7 PhD, 15 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, electronics, 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, among many others.

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

[www.citcea.upc.edu](http://www.citcea.upc.edu)



Government of Catalonia **D401** | Stand 1

#### Company

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CTTC

#### Contact

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David Pubill | [David.pubill@cttc.cat](mailto:David.pubill@cttc.cat)

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.

[www.cttc.es](http://www.cttc.es)





DOXA Innova & Smart is based on innovation, proven experience and knowledge to transform companies and the public sector where ICT is a catalyst for business and services.

We provide an advisory, realistic and executive vision with a clear business focus and proximity to our customers.

Government of Catalonia **D401** | Stand 8

#### Company

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DOXA Innova & Smart

#### Contact

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Pedro Lisbona | [plisbona@doxais.com](mailto:plisbona@doxais.com)

[www.doxais.com](http://www.doxais.com)



eCooltra is an idea of Cooltra Motos, the leading and specialized company of the two-wheeled vehicle market. As a pioneer of the scooter sharing system, our values include the commitment to our environment. A more sustainable world is the mission that drives us to create projects like eCooltra.

eCooltra provides a free float system, or in other words, you can pick up and leave the scooter wherever you want. The user becomes the owner of one of our electric scooters, for minutes, from the reservation until the parking moment, when finalizing the trip.

Government of Catalonia **D401** | Stand 10

#### Company

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eCooltra Motosharing

#### Contact

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Miguel Navarro | [miguel@ecooltra.com](mailto:miguel@ecooltra.com)

[www.ecooltra.com](http://www.ecooltra.com)



Government of Catalonia **D401** | Stand 7

#### Company

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ETECNIC Energy & Mobility

#### Contact

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Jorge Ríos | [jorge@etecnic.es](mailto:jorge@etecnic.es)

The group **ETECNIC** energy and mobility was born in 2010. The mother company offers energy engineering. After 1 year working on electric mobility sector, the company decided to create a specific company for design, sale and maintenance of recharging electric vehicles infrastructure, and development of specialised software in managing recharging electric vehicles infrastructure.

ETECNIC electric mobility, S.R.L. It is constituted in October 2015 and currently has an extensive network of charging points with its own brand. This requires a team of computer scientists and electrical engineers as well as our own sales force.

ETECNIC energy and mobility is decided to creating and selling a leader software in the global market that should allows new functions, only applicable with last technology.

[www.etecnic.es](http://www.etecnic.es)



Government of Catalonia **D401** | Stand 5

#### Company

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EURECAT

#### Contact

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Gemma Batlle | [gemma.batlle@eurecat.org](mailto: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.

[www.eurecat.org](http://www.eurecat.org)



Government of Catalonia **D401** | Stand 4

#### Company

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HEMAV

#### Contact

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Arnau Garcia | [agarcia@hemav.com](mailto:agarcia@hemav.com)

[www.hemav.com](http://www.hemav.com)

i2CAT is a non-profit research and innovation centre which promotes R&D 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 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, SmartCities & Regions, Advanced Manufacturing and Culture & Creativity.



Government of Catalonia **D401** | Stand 13

#### Company

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i2CAT Foundation

#### Contact

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Susana Otero | [info@i2cat.net](mailto:info@i2cat.net)

[www.i2cat.net](http://www.i2cat.net)



Government of Catalonia **D401** | Stand **14**

#### Company

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iDISC Information Technologies

#### Contact

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Pere Grivé | [pgrive@disc.com](mailto:pgrive@disc.com)

iDISC delivers services to public and private organizations to help them distribute their content in any language using any device or format.

To achieve this, we provide three areas of action: Content management in a single shared multilingual repository; development of responsive web platforms, mobile device apps and digital signage systems; and integrated translation services for both the platform interface and the actual content.

These platforms allow organizations to use multilingual and multichannel communication strategies in the markets where they want to be present, with "ZERO EFFORT" needed on their part.

[www.idisc.com](http://www.idisc.com)



Government of Catalonia **D401** | Stand **15**

#### Company

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LEITAT

#### Contact

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Josep Lluís Checa | [jlchecha@leitat.org](mailto:jlchecha@leitat.org)

LEITAT is a Technological Institute with the mission of collaborating with companies and other entities to create economic, social and sustainable value by R&D+2i projects and technology processes from innovation and creativity. Leitat is the brand of the private entity Acondicionamiento Tarrasense and is recognized by the Catalan Government (TECNIO) and by the Spanish Ministry of Science and Innovation.

Leitat, from dynamism and proximity, provides flexible management in an open innovation environment as collaboration and cooperation driving force for technology transfer and promoting the principles of professionalism, respect for people and environmental care, at the same time.

[www.leitat.org](http://www.leitat.org)





Government of Catalonia **D401** | Stand 20

#### Company

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SAMCLA

#### Contact

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Manel Claus | [mclaus@samcla.com](mailto:mclaus@samcla.com)

[www.samcla.com](http://www.samcla.com)



Government of Catalonia **D401** | Stand 17

#### Company

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SHOTL

#### Contact

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Osvald Martret | [osvald@shotl.com](mailto:osvald@shotl.com)

[www.shotl.com](http://www.shotl.com)

Shotl is the urban ridesharing App that conveys several passengers with similar destinations in one single vehicle.

Based on a fleet of vans or minibuses moving passengers around the city, Shotl offers flexible and efficient trips that are as dynamic as people's everyday commute. Citizens 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.

At Shotl, demand transit can be reliable and cost-effective.



Government of Catalonia **D401** | Stand **3**

#### Company

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SIARQ Advanced Solar Design

#### Contact

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Alessandro Caviasca | [alessandro@siarq.net](mailto:alessandro@siarq.net)

**SIARQ** is a creative company from Barcelona working for low emissions cities.

Driven by innovation and design, SIARQ creations combine the latest technological solutions in photovoltaic 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 crossroads between communications, data 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 for the Smart City.

Get involved at [www.rethinkthecity.org](http://www.rethinkthecity.org)

[www.siarq.com](http://www.siarq.com)



Government of Catalonia **D401** | Stand **16**

#### Company

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STARLAB

#### Contact

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Laura Moreno | [laura.moreno@starlab.es](mailto:laura.moreno@starlab.es)

Starlab Applications develops and integrates Earth Observation services and products into the decision chain for more competitive and sustainable operations. Clients of our services include international and national enterprises and administrations in the green management, water management, energy, agriculture and environmental management sectors.

Starlab Space Technologies provides R&D consulting, software simulation tools and instruments with a focus on radar remote sensing. We develop new space sensors and mission concepts including remote sensing applications of GPS and Galileo, Synthetic Aperture RADAR and advanced Space Altimetry.

[www.starlab.es](http://www.starlab.es)

# tecsidel

Government of Catalonia D401 | Stand 19

## Company

TECSIDEL

## Contact

Ramon Figueras | [ramon.figueras@tecsidel.es](mailto: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.

[www.tecsidel.com](http://www.tecsidel.com)



Government of Catalonia D401 | Stand 18

## Company

U-TRANS

## Contact

Miquel Roig | [mroig@utrans.global](mailto:mroig@utrans.global)

"U-TRANS is a consultancy firm strongly committed to help organizations to implement change and all kind of transformation processes. Cities and regions are the place where knowledge society nodes are found. There, the interaction between production, creativity, knowledge, social demands and innovative solution takes place. Because place matters, some of our services lines are focus in:

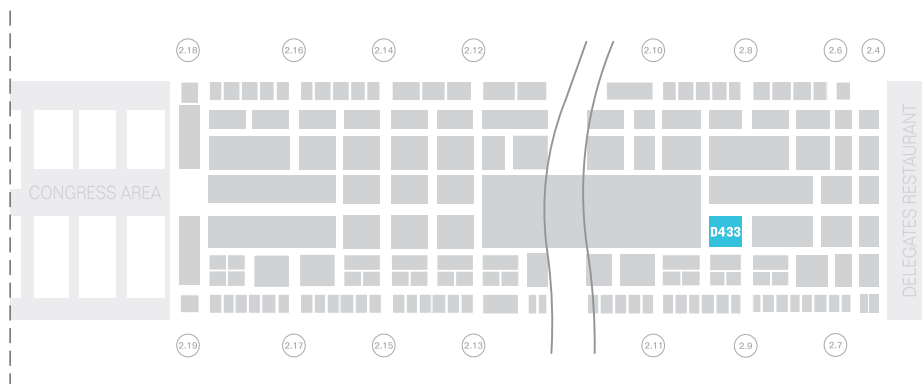
- Technological Civic Engagement Platforms. Tools for social participation
- Smart Specialization Model for regions and cities
- City Government Revitalization through action plans and place branding
- Knowledge Society Strategies for human capital qualification
- Talent Attraction and Retention Management for cities or regional governments "

[www.utrans.global](http://www.utrans.global)

# Barcelona City Council

Stand **D433**

## Location in the venue | Hall 2



- APP&TOWN BY MASS FACTORY
- ATICSER
- BGEO OPEN GIS
- CAPMAR
- CONNECTHINGS
- CTRL4 ENVIRO
- EGM EnerHub
- EIXVERD
- ENERKIA GLOBAL ENERGY
- MYCELIUM NETWORKS
- NEARBYSENSOR
- OPENTRENDS
- OPTICITS
- PENTADOM
- SENSING & CONTROL
- SOTAVIA
- TINKERERS
- VADECITY
- WEBDOM LABS



Barcelona City Council D433

#### Company

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APP&TOWN BY MASS FACTORY

#### Contact

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patricia.elizalde@vimexsolutions.com

This high-tech company spin-off from the UAB was a follow-up to a final project by 7 students led by PhD Jordi Roig with the aim of creating innovative products and adding value to Society.

Its first service was the mobile App OnTheBus, which is a public transport planner that was the first service they developed, following Universal Design principles and including a proprietary turn-by-turn navigator so accurate that groups with reduced mobility -including the elderly, cognitively and even visually impaired- can use it.

OnTheBus became App&Town Going with you, a multimodal multi-platform using collaborative intelligence.

Compagnon is a system to plan routes via public transport routes, which guides and monitors people with cognitive disabilities.

[www.appandtown.com](http://www.appandtown.com)

## Tech4Freedom

Barcelona City Council D433

#### Company

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ATICSER

#### Contact

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jaume@tech4freedom.net

Aticser provides social and economic value to the whole of society, creating accessibility through technology.

What Aticser does?

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 its electronic devices and mobile applications, which are also designed to create economic and social value for the whole of society. Aticser tools! Wearables, Geolocation, IOT, M2M, NFC, i-beacons, cloud, sensing

This year Aticser received a HORIZON 2020 grant for SME instruments from the European Commission.

[www.aticser.com](http://www.aticser.com)





Barcelona City Council **D433**

#### Company

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BGEO Open Gis

#### Contact

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info@bgeo.es

[www.bgeo.es](http://www.bgeo.es)

BGEO is a Catalan company specialised in developing and implementing technology solutions via geographic information systems (GIS). As a distinctive feature it always uses free and open source technologies, releasing solutions that until now were reserved only for administrations or companies managing very large budgets. Its flagship product is GISWATER, a free software focused on the management of the water cycle, which has caught the attention of significant companies and smart cities in Europe and South America. The programme can be downloaded and installed completely for free.



Barcelona City Council **D433**

#### Company

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CAPMAR

#### Contact

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jaciell@capmarsystems.com

[www.capmarsystems.com](http://www.capmarsystems.com)



Barcelona City Council **D433**

#### Company

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CONNECTHINGS

#### Contact

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lab@connecthings.com

Internet of Things solutions of Connecthings enable municipalities and their partners (transport and transit authorities, local commerce, tourist offices...) to efficiently field contactless beacons in public space and manage hyper-contextualised, dynamic interactions between mobile users and their smartphones, connecting the physical world to the digital world. With its award-winning SaaS, a web-based interface ADTAG, clients will be able to efficiently plan and optimise smartphone interactions – strengthening the usefulness of existing digital mobile services. Connecthings's network of contactless beacons fosters an open, innovative ecosystem that benefits all stakeholders – cities, citizens and partners.

[www.connecthings.com](http://www.connecthings.com)



Barcelona City Council **D433**

#### Company

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CTRL4 ENVIRO

#### Contact

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anton.goma@ctrl4enviro.com

Ctrl4 Enviro monitors and characterises pedestrian and all kinds of vehicle flows in urban environments by means of sensors that respect individuals' privacy. From a park to the beach, they can detect or quantify people flows, distinguishing between adults, children and even dogs, or the flow of bikes, motorbikes, cars, buses... The sensors use video analytics using images that don't identify the people in question thanks to different camera technologies (thermal, depth maps...) with in-house developed algorithms. The company won the BCN Open Challenge in 2015, using its system to measure pedestrian activity in Barcelona during La Mercè in 2015 and 2016.

[www.ctrl4enviro.com](http://www.ctrl4enviro.com)



Barcelona City Council **D433**

#### Company

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EGM EnerHub

#### Contact

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pau.pedraza@enerhub.com

[www.enerhub.com](http://www.enerhub.com)

EnerHub is an innovative solution for efficient energy management in cities. Built with the integration of knowledge, methodology and current technology, the tool has a big impact on society. By using the various services provided by the tool, city managers are able to make energy-related decisions based on impact strategy and sustainability improvements. EnerHub is a creation of EGM Energy Efficiency & Savings, a company specialised in providing new tools and services for municipal entities to bring benefits in terms of the economic, environmental and social development of citizens, and in the end, their quality of life.



Barcelona City Council **D433**

#### Company

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EIXVERD

#### Contact

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lidia@eixverd.cat

[www.eixverd.cat](http://www.eixverd.cat)



Barcelona City Council **D433**

#### Company

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ENERKIA GLOBAL ENERGY

#### Contact

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smartcity@enerkia.com

Enerkia provides the market with a broad set of products and services related to energy, with the main objective of making energy available to anyone, anywhere, and to become a reference energy services provider.

Amongst its most innovative services, Enerkia's portfolio includes District Heating projects for Smart Cities, Electric Vehicle infrastructure deployment or Energy Management Systems based on IoT and Big Data for public entities, companies and also households.

[www.enerkia.com](http://www.enerkia.com)



**SMARTDATASYSTEM**

Barcelona City Council **D433**

#### Company

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MYCELIUM NETWORKS

#### Contact

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angelo.zinni@arkenova.net

By combining experience from renewable energy consulting projects and expertise developing and commercialising cloud based mobile messaging platforms, Mycelium Networks offer the Smart Data System IoT enablement platform.

Success stories based on their platform includes solutions for smart buildings, energy and more in Barcelona city council, and other small and medium size cities and towns.

Mycelium Networks have put great effort in enabling their partners to build vertical solutions with total control of their code, the selection of hardware, communication protocol, etc., while the cost is kept at a minimum.

[www.arkenova.net](http://www.arkenova.net)



Barcelona City Council **D433**

#### Company

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NEARBYSENSOR

#### Contact

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[jmarti@nearbysensor.com](mailto:jmarti@nearbysensor.com)

[www.nearbysensor.com](http://www.nearbysensor.com)

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

Opentrends is a Software Engineering company based in Barcelona and focused on the custom development of specialised APP's, Portals and platforms, like Sentilo, that use open source technologies.



Barcelona City Council **D433**

#### Company

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OPENTRENDS

#### Contact

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[exalabarder@opentrends.net](mailto:exalabarder@opentrends.net)

[www.opentrends.net](http://www.opentrends.net)





Barcelona City Council **D433**

#### Company

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OPTICITS

#### Contact

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ifontanals@opticits.com

[www.opticits.com](http://www.opticits.com)

OptiCits developed HAZUR, an innovative methodology and software to assess and improve urban resilience. OptiCits has strong growth potential since the world's population is increasing especially in urban areas, which are or can be affected by impacts linked to climate change, social change, economic crises or technological challenges.

An R&D project to design Barcelona's first resilience strategy led to the creation of OptiCits. Now Opticits is collaborating with Barcelona City Council as part of the H2020 project (RESCCUE). OptiCits works with other Catalan municipalities (Sant Cugat, Olot...) and in other European countries, the USA and India.



Barcelona City Council **D433**

#### Company

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PENTADOM

#### Contact

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gsanjuan@pentadom.com

[www.pentadom.com](http://www.pentadom.com)



Barcelona City Council **D433**

#### Company

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SENSING & CONTROL

#### Contact

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pedro.espinel@sensingcontrol.com

[www.sensingcontrol.com](http://www.sensingcontrol.com)

Sotavia offers an automated detection, location and alert service for city pavement defects. Sotavia's innovative solutions are based on a detector device developed by the company that generates a defect map that is useful for maintenance operations planning. Sotavia's automated method allows better resource management and saves time and money compared to current inspection methods.



Barcelona City Council **D433**

#### Company

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SOTAVIA

#### Contact

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info@sotavia.com

[www.sotavia.com](http://www.sotavia.com)

# TINKERERS<sup>LAB</sup>

Barcelona City Council D433

## Company

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TINKERERS

## Contact

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info@tinkerers.tech

Digital Laboratory is specialised in the areas of Science and Technology. The company blends technologies such as Digital Fabrication, Space or Computer Vision to develop innovative services for Smart Cities and IoT projects.

Tinkerers' main product is GBRS (Geospatial Blended Reality System), a multi-channel and interactive 3D platform which combines software and hardware (3D topographic models, 3D laser sensors) that simplify the management and understanding of complex data in a single system. GBRS is aimed at institutions or companies that need a global vision with a bird's eye view of geographic locations and big data emergency management, planning activities and preventive simulations.

[www.tinkerers.tech](http://www.tinkerers.tech)



Barcelona City Council D433

## Company

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VADECITY

## Contact

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produccion@vadecity.com

'Smart Biking' is about getting around the city by bike without worries about where and how to park our bikes safely. 'Vadebike' was created by VADECITY as a safe, easy and smart parking system, with reduced space requirements in the city. It is designed for two bicycles, each one is blocked by three anchor points that protect wheels, frame, seat and helmet, thus offering a solution that promotes helmet use. The 'Smart Biking' system has a web and an online application to configure the system and view information in real time, making it a powerful management and knowledge tool for bicycle mobility.

[www.vadecity.com](http://www.vadecity.com)



Barcelona City Council **D433**

#### Company

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WEBDOM LABS

#### Contact

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info@webdom.es

Webdom Labs manufactures and markets hardware and software for energy monitoring. Its system allows for monitoring PV facilities of any type: large scale parks, installations connected to the grid, isolated, self-consumption and zero injection, installations with telematic measures in real time. Its data loggers can regulate power inverters' output and monitor inverter houses, control buildings, substations, meteorological sensors, combiner boxes and utility meters. The company also manufactures PV monitored combiner boxes.

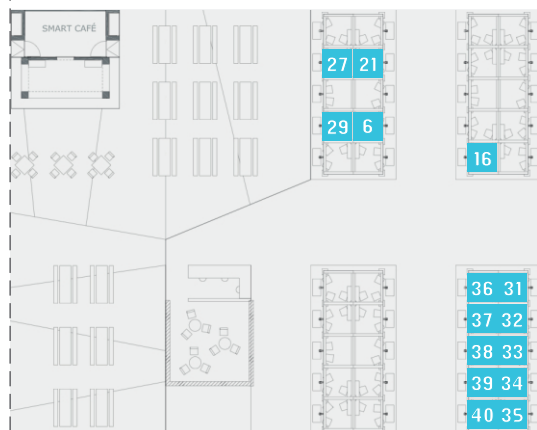
Webdom equipment also allows reading and controlling electricity, water and gas meters for industrial monitoring applications.

Its main products and services sold are: data loggers, smart power analyser, software monitoring, complete electrical boxes, meteorological sensors, string boxes, amongst others.

[www.webdom.es](http://www.webdom.es)

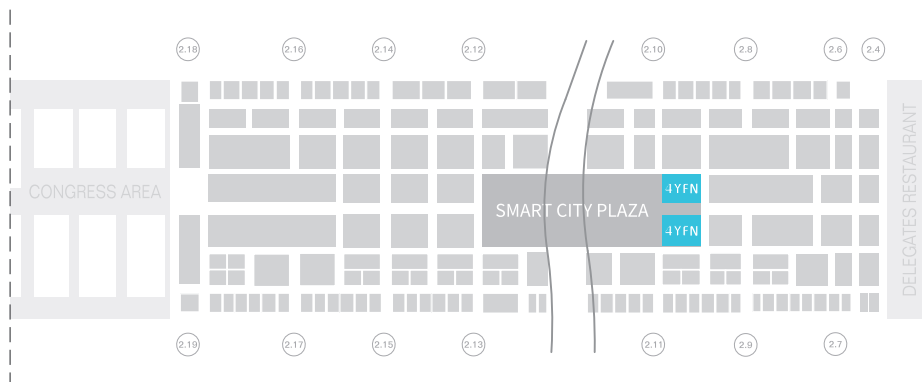
## 4YFN village

### Smart City Plaza



- Y6** TALAIA NETWORKS
- Y16** ACCENT SYSTEMS
- Y21** MOREAPP
- Y27** CURRENCY ALLIANCE
- Y29** WEFITTER
- Y31/40** SMART CITY LINK

### Location in the venue | Hall 2







4YFN village Smart City Plaza | Stand Y16

#### Company

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ACCENT SYSTEMS

#### Contact

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Jordi Casamada  
jcasamada@accent-systems.com

[www.accent-systems.com](http://www.accent-systems.com)

We turn our customers' ideas into tailored electronic solutions, from product development to mass production. Its 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 Systems has become one of the iBeacon and Eddystone manufacturers leaders in the world.



4YFN village Smart City Plaza | Stand Y27

#### Company

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CURRENCY ALLIANCE

#### Contact

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Charles Ehredt  
cehredt@currencyalliance.com

[www.currencyalliance.com](http://www.currencyalliance.com)

Companies use MoreApp to save paper forms. Used for Inspections, Work Orders, Time Registration, Rental contracts, etc.



4YFN village Smart City Plaza | Stand Y21

#### Company

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MOREAPP

#### Contact

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Thom Bokelaar | [tbokelaar@moreapp.com](mailto:tbokelaar@moreapp.com)

[www.moreapp.com](http://www.moreapp.com)

smartcity



4YFN village Smart City Plaza | Stand Y31/40

#### Company

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SMART CITY LINK

#### Contact

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Jonathan Rodriguez | [jonathan@smartcity.link](mailto: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 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 exclusion.

[www.smartcity.link](http://www.smartcity.link)



4YFN village Smart City Plaza | Stand Y6

#### Company

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TALAIA NETWORKS

#### Contact

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Josep Sanjuas | [jsanjuas@polygraph.io](mailto:jsanjuas@polygraph.io)

Talaia helps companies keep their networks healthy in a world that increasingly depends on the Internet.

Vendors in our space are stuck in the past - with appliances that hard to deploy, very expensive, and outdated user interfaces. We have developed the technology to replace hardware-based appliances for a hardware-less, software-less solution that can be deployed in massive networks within minutes - and are hence posed to disrupt the current vendor ecosystem.

We build upon >40 years of research by the founders, and after attracting >1M€ support from public institutions, are now looking to raise 600,000€.

[www.talaianetworks.com](http://www.talaianetworks.com)



4YFN village Smart City Plaza | Stand Y29

#### Company

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WEFITTER

#### Contact

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Oscar Garcia | [ogarcia@atlas-sport.com](mailto:ogarcia@atlas-sport.com)

WeFitter is a fitness & wellbeing platform that allows companies to Encourage and Reward Active lifestyles and Reduce health costs. Our goal is to Motivate and Incentivize end users to be more consistent with their physical activity and transform it into a lifelong habit.

[www.wefitter.com](http://www.wefitter.com)





**Generalitat de Catalunya**  
Government of Catalonia

**Barcelona**  
City Council

