

# Catalan Exhibitors & Projects 2018

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IOT SOLUTIONS  
WORLD CONGRESS

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IN(3D)USTRY

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BLOCKCHAIN  
SOLUTIONS WORLD



**Generalitat de Catalunya**  
Government of Catalonia

Ajuntament de  
**Barcelona**



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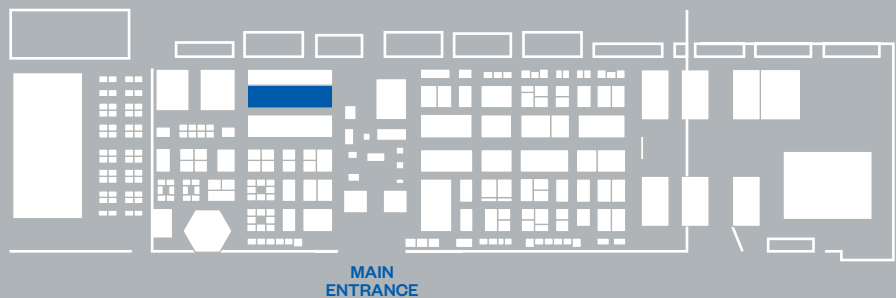
↳ **Participants at the IOTSWC Elevator Pitch Event** (18th October at 10 a.m. at the IOT Brokerage Event stand)

The **Elevator Pitch Event** is a new initiative aimed at offering visibility to the best IoT Solutions. Companies that have a booth at the Government of Catalonia and Barcelona City Council Pavilions at IOT Solutions World Congress 2018 will present the most innovative projects to interested industrial companies.

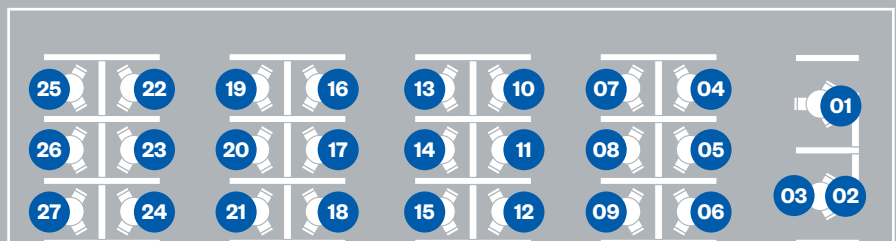
# IOT SOLUTIONS WORLD CONGRESS (GOVERNMENT OF CATALONIA)

## Location at the venue

Fira Barcelona Gran Via  
(HALL 2)



## E551 Stand



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| 01 — i2CAT                           | 15 — SIP                          |
| 02 — Eurecat                         | 16 — Industrial Shields           |
| 03 — Leitat Technological Center     | 17 — Slashmobility                |
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| 09 — Cigo!                           | 23 — SLB Systems                  |
| 10 — S.E. Progrés                    | 24 — Deep Solutions               |
| 11 — Tai Smart Factory               | 25 — JCM                          |
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## i2CAT

01

The i2CAT Foundation is a non-profit research and technology centre that promotes R&D activities in the fields of the Internet and advanced digital technologies. It has pioneered an innovation model based on collaboration between companies, public authorities, academia and users. The activities and initiatives carried out by i2CAT focus on three objectives: (1) generating knowledge through participation in international research projects, with a key role in the European Union framework programme for research and innovation; (2) promoting collaboration with companies through the execution of R&D projects aimed at developing innovative solutions that provide added value to the market; and (3) leading local initiatives and innovative projects to roll out digital strategies and policies aligned with public authorities.

Government of Catalonia  
**E551 Stand**

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## Eurecat

02

Eurecat is the Technology Centre of Catalonia. We provide industry with differential technology and advanced expertise, to foster innovation and boost company competitiveness in a fast-paced environment. Our services are primarily focused on applied R&D, innovative technological solutions, highly specialized training, product and service development up to minimally viable products, fab labs and pilot projects and plants. Their scope of application covers Mobility, Connected Health, E-textiles, Sensorics & Big Data, Blockchain, Retail, Energy & Sustainability, Business Transformation, Functional Materials, Smart Management Systems, Wearables, Robotics, Industry 4.0.

Government of Catalonia  
**E551 Stand**

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## Leitat Technological Center

03

LEITAT is a technological centre, a member of TECNIO and recognised by the Ministry of Economy and Competitiveness, which aims to collaborate with companies and institutions by adding technological value both to products and processes, and which focuses its activity on research, development and industrial innovation (R+D+2i).

Government of Catalonia  
**E551 Stand**

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## Chipfox



04

We offer global IoT solutions for people, sports events and everyday life.

Revolutionary Sigfox GPS | IoT Tracking & Security Solution

Government of Catalonia  
**E551 Stand**

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*make IoT happen*  
**trackthings.io**

## Tracktio



05

Tracking and analytics for industry 4.0.

Our products help industrial companies to track people and assets in real time.

Government of Catalonia  
**E551 Stand**

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**tracktio**<sup>®</sup>

## Sensing & Control

06

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

Government of Catalonia  
**E551 Stand**

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 **sensing  
& control**  
Simply Seamless

## PickData

Manufacturer of industrial IoT solutions for monitoring and controlling machines and installations (wired and wireless sensors, controllers, cloud software and tailored OEM products).

Government of Catalonia  
**E551 Stand**

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## UPC Technology Center (CIT UPC)

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

Government of Catalonia  
**E551 Stand**

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TECHNOLOGY CENTER

UNIVERSITAT POLITÈCNICA  
DE CATALUNYA  
BARCELONATECH



## Cigo!

Cigo! is a spin-off from Universitat Politècnica de Catalunya focused on big data and smart mobility software solutions for companies and cities.

Cigo!Fleet is a smart mobility management platform offering a unique interaction between the backend and the mobile app. This application is meant for transport and logistics companies to have a 100% customisable fleet management tool that optimises routes, sends these to the drivers' smartphones and keeps track of vehicles in real time. It automatizes the whole planning process. It can also integrate any kind of IoT sensor, in order to give back meaningful information in the KPI tab.

Government of Catalonia  
**E551 Stand**

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## S.E. Progrés



We have been designing, manufacturing and commercialising controllers for irrigation, fertigation and remote water management for more than 30 years, as well as offering a qualified advice service and highly rated post-sales service. Our portfolio offers a wide range of equipment and solutions to fit the needs of any irrigation system on farms, in gardens and communities of irrigators. We are proud of our loyal customers who give us a very high market share in Spain and Portugal. And we continue to grow in other countries such as Chile, Mexico, Peru, Colombia, Italy, Poland, Greece, Jordan, Morocco, Turkey and South Korea.

Government of Catalonia  
**E551 Stand**

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**SISTEMES ELECTRONICS  
PROGRES, S.A.**

## Tai Smart Factory



We are a company that specialises in the development, configuration and maintenance of capture and management software in real time (MES / MOM) in industrial environments. We have 21 years experience in the industrial sector, specifically in integrating systems into Industry 4.0 . We are present in 27 countries, through more than 250 factories. The modular development of the different products allows us to provide scalable solutions in the areas of production, quality, industrial maintenance, and staff access and presence. Knowledge, standardisation, scalability, access to information, data unification, availability and analysis are of great value for our customers.

Government of Catalonia  
**E551 Stand**

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**tai** smart  
factory

## IThinkUPC



We are the Consultancy and Advanced Software Services Company at the Universitat Politècnica de Catalunya. We help organizations improve the lives of their clients and employees, and enhance their business agility through digital technologies. With the professional experience, talent and knowledge of our engineers and consultants, we create and deliver advanced services and solutions for our clients. This expertise has been generated and acquired from working on projects at the UPC and leading companies for almost 20 years.

Government of Catalonia  
**E551 Stand**

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**IThink** 



## Energy Tools Consulting

Energy Tools Consulting is an industrial engineering consultancy that specialises in energy, which is a complex and continually-evolving sector. Leveraging emerging technologies and knowing a company's energy expenditure will be key to improving its competitiveness. Correctly managing energy purchases together with efficient invoice control yields instant cost reductions.

Government of Catalonia  
**E551 Stand**

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## IOTIP



Do you need to improve your business strategy? Then we are your IoT technology partner. IOTIP is scalable IoT product engineering (hardware, software and manufacturing) at affordable prices. We help you to compete with the best, depending on your needs and those of your client, thus improving the profitability of your business. We offer part or comprehensive services for product conceptualisation, business definition, pilot execution, market testing and industrial launches (manufacture and distribution), with your own products or those of third parties. We provide the best time to market and a competitive development and implementation cost.

Government of Catalonia  
**E551 Stand**

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



## SIP

At SIP we believe that electrical data can give us a huge amount of information about industrial assets. We are developing a predictive maintenance platform that continuously collects hundreds of electrical parameters in real time from an installation or a machine. This data is automatically analysed in the cloud by our artificial intelligence platform. When we predict potential failures in the asset, we inform the person in charge proactively. So we reduce breakdowns, maintenance costs and help to maintain a machine's expected performance.

Government of Catalonia  
**E551 Stand**

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## Industrial Shields



Industrial Shields design, produce and sell automation products based on open-source technologies to be used in Industry 4.0, IoT, automation, controlling installations, etc.

Government of Catalonia  
**E551 Stand**

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Industrial Shields

## Slashmobility

We are a Mobile Corporate Solutions company founded in Barcelona in 2010 and our mission is focused on accelerating the technological digitalisation of society through 360° mobile services. Over the years we have become a leading company in the market through software development training and by recruiting digital talent. Currently, our 70+ employees have developed 1,000+ mobile solutions for 150+ companies. Our talent department has trained 1000+ professionals in digital technologies resulting in 850+ IT professionals joining the labour market.

Government of Catalonia  
**E551 Stand**

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Slashmobility

## Geprom Connecting Industries



Geprom is a technology-based company that offers global solutions around Industry 4.0. Legato Sapient is a centralised monitoring system for automated production in Industry 4.0 that connects all the IoT devices, machines and robots in factories to achieve greater production efficiency and competitiveness.

Government of Catalonia  
**E551 Stand**

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Geprom  
Connecting Industries

## Enzyme



19

The Enzyme Advising Group is a professional services firm with an international presence that provides consulting and technological advice, bringing together new challenges and business models.

Government of Catalonia

**E551 Stand**

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## Effitronix



20

Effitronix is a company committed to innovation, effectiveness and efficiency, with more than 20 years experience in industrial automation and predictive maintenance. From the beginning it has offered high added-value solutions to the needs of its clients in many industrial sectors. Back in 2010, Effitronix anticipated the Industry 4.0 trend with the launch of MICO24, a monitoring and control system capable of capturing data from any kind of sensor installed in the key elements of a production plant. MICO24 performs remote monitoring and transforms these data into useful information in real time to increase productivity.

Government of Catalonia

**E551 Stand**

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**effitronix**

Innovation in efficiency  
and mechatronics

## CTTC



21

The Telecommunications Technology Centre of Catalonia (CTTC) is a non-profit private research institution based in Castelldefels (Barcelona), resulting from a public initiative of the Government of Catalonia (Generalitat de Catalunya). Research activities at the CTTC, both fundamental and applied, mainly focus on technologies related to the physical, data-link and network layers of communication systems, geomatics and positioning systems. The CTTC has a great deal of experience in exploring connectivity solutions for the IoT. Among other activities, we have built an end-to-end experimental platform called IoTWORLD® where we conduct applied research and develop proof-of-concept solutions for the IoT. See more at <http://iotworld.cttc.es>

Government of Catalonia

**E551 Stand**

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## Aine IOT



We are presenting the Sidereal GPS with a semi-trailer and container control solution. With this device we have lowered the percentage of our customer's semi-trailers thefts as well as decrease the fuel consumption of their vehicles. To make it even more attractive, we offer competitive prices and features that go way beyond GPS. It incorporates an identifier that is connected to our applications, so with a click they can inspect the vehicle, change the status and even register refuelling. This solution means we know everything about the fleet and enables companies to make more profit.

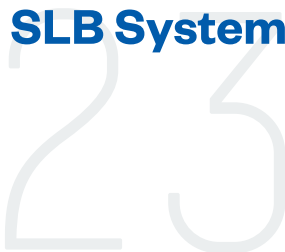
Government of Catalonia  
**E551 Stand**

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## SLB Systems



SLB Systems has developed and created a series of innovative vertical IoT solutions, both hardware and software, for several applications with the intention of measuring different values, based on latest-generation, low-cost technology such as Sigfox and Lora.

We are manufacturers of state-of-the-art technology, developing the hardware and software of the management platform required for implementing specialised IoT services in several business vertical sensors. Our systems are directly related to the world of remote management, public lighting, energy management, electricity, light and water, technical signals (temperature, humidity, gases, flooding, etc.).

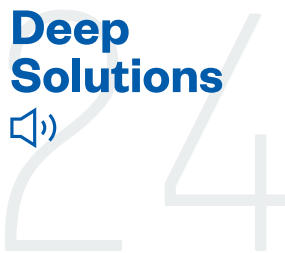
Government of Catalonia  
**E551 Stand**

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## Deep Solutions



Deep Solutions designs, trains and deploys Deep Neural Network (DNN) customised detectors. Given a specific need, we gather the dataset, design the DNN, train it, evaluate it and deploy it according to our customer's constraints. Most recently we have launched Pix2Map.com, which applies customised detectors to drone imagery.

Government of Catalonia  
**E551 Stand**

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## JCM



# 25

JCM Technologies, S.A. manufactures and commercialises technologically innovative electronic solutions for doors, gates and automatic access control elements. With an R&D department of more than half the workforce, JCM offers access control solutions (transmitters, receivers, stand-alone access controls, etc.), control panels, security and management. Since it was founded in 1983, JCM's mission has been to explore technological challenges in order to improve the safety and quality of life of its users. Now, thanks to connectivity and IOT, it is moving towards the digitalisation of its business in all the markets in which it operates.

Government of Catalonia  
**E551 Stand**

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**jcm**  **tech**  
technology & imagination

## Agrifood AT



# 26

Agrifood Alternative Technologies has over 18 years' experience providing technological solutions for the feed and livestock production industries. More than 400 companies in Spain, Italy and Portugal are using our solutions on a daily basis. Agrifood AT specialises in the distribution of cloud solutions provided by the best partners, as well as solutions developed internally by our own software team. Agrifood AT also possesses great expertise in implementing sensor-based applications, such as silo sensorisation, feed delivery traceability and GPS vehicle positioning. Our new strategy, based on the IoT, is considered to be one of our most important activities.

Government of Catalonia  
**E551 Stand**

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**www.agrifoodat.com**

 **Agrifood**  
alternative technologies

## Atlantis IT

# 27

We connect you to your mobile resources. We are an innovative company, with our own engineering, offering companies and individuals services for the efficient management, control and security of your mobile resources (cars, motorcycles, boats, machinery, and other assets). Some of our solutions/products:

- Atlantis Moto : the app born to ride. Social network for bikers. Share your tracking, your routes, etc. What's more, with advanced sensors and security settings, Atlantis Moto will notify you and/or your friends if something's wrong, as it happens, with push messages or text alerts.
- Atlantis Fleet : mobile resources management (cost efficiency, productivity improvement, control, etc.) solution for companies.

Government of Catalonia  
**E551 Stand**

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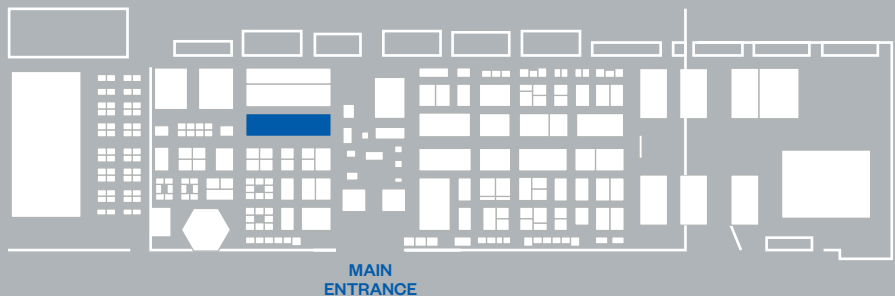
**www.atlantisit.eu**

 **ATLANTIS**<sup>IT</sup>  
Smart Positioning

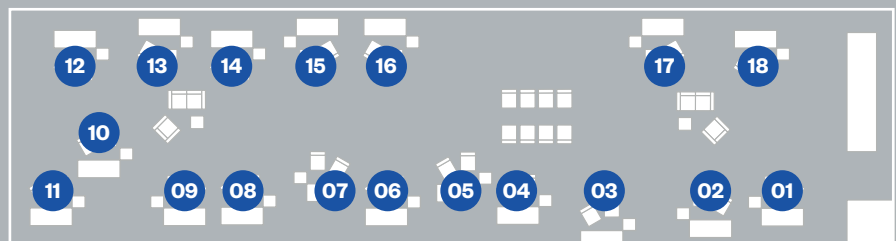
# IOT SOLUTIONS WORLD CONGRESS (BARCELONA CITY COUNCIL)

## Location at the venue

Fira Barcelona Gran Via  
(HALL 2)



## D461 Stand



- 01 — Zolertia
- 02 — WeSmartPark
- 03 — Thingtia
- 04 — Integral Innovation Experts
- 05 — IN2
- 06 — Mycelium Network
- 07 — Ctrl4 Enviro
- 08 — Bismart
- 09 — Sensefields
- 10 — Iquadrat

- 11 — AEInnova
- 12 — iKeyBnB
- 13 — Neurite
- 14 — Mocca Technologies
- 15 — Submer Computing Immersion Cooling
- 16 — Barcode Market
- 17 — Im3 Ingenieros
- 18 — 9Habitat

## Zolertia

Zolertia designs, produces and sells systems to simplify the creation of internet-connected objects. The Zoul-OT is a module to embed and connect your product to the emerging Google Thread protocol.

Barcelona City Council  
**D461 Stand**

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zolertia™

## WeSmartPark

WeSmartPark turns your empty garage spot into a smart space. We created a new parking infrastructure, providing attractive rates for drivers, while doubling the income for parking space owners.

WeSmartPark operate in 3 cities around the world, Barcelona, Madrid and Santiago de Chile, operating more than 160 parking locations and 3,000 spots, serving more than 150,000 drivers.

Now we are launching Buenos Aires, Montevideo, Lima, and São Paulo, and we are looking for entrepreneurs and investors to join us and bring our business model to major cities in the world.

Barcelona City Council  
**D461 Stand**

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wesmartPark

## Thingtia

IoT brokering Platform - Thingtia is Sentilo in the cloud. It is a sensor and actuator platform that collects, monitors, analyses and broadcasts the information. Flexible plans to get your platform in the cloud

Barcelona City Council  
**D461 Stand**

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thingtia  
CLOUD

## Integral Innovation Experts

Integral PLM Experts is the leader in software, services and training consultancy PTC® solutions. We implement advanced systems for design engineering (CAD / CAM / CAE), manufacturing (CNC), project management and product lifecycle management (PLM PDM), to increase the competitiveness of SMEs or multinationals in the context of global competition. We develop apps and implement IoT projects for the manufacturing, automotive and high-tech sectors, among others.

Barcelona City Council  
**D461 Stand**

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**INTEGRAL**  
PLM EXPERTS

## IN2

IN2 is a technology company that specialises in developing and implementing solutions, based mainly on Open Source technologies, which help our customers in their digital transformation processes. For more than twenty years we have developed projects in the public and private sectors, particularly in tourism and transport, health and social, and industry. We offer our clients our experience in developing and implementing interoperability / integration solutions, data, document management, collaborative work and mobility.

Barcelona City Council  
**D461 Stand**

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**IN<sup>2</sup>**

## Mycelium Networks

Mycelium Networks helps public administrations and private companies to evolve from a static and fragmented energy management approach, to a dynamic and strategic model that adapts to new and changing needs, through the SmartDataSystem proprietary platform. Success stories based on our platform includes solutions for smart buildings, energy management and commercialisation, and industrial IoT in various private and public-sector organisations, including Barcelona City Council, large supermarket chains and industrial manufacturers.

Barcelona City Council  
**D461 Stand**

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**SMARTDATASYSTEM**



## Ctrl4 Enviro



Born on the UAB campus out of a research project on sensing and initially dedicated to automation and energy efficiency, this company incorporated image analysis in 2013 as a further form of sensing, which, through machine-tools learning, it currently applies to:

- Privacy-respectful counting of people flows in outdoor public spaces.
- Parking occupancy
- Classification of urban flows

Driven by having won a BCN Open Challenge in 2014 for measuring pedestrian flows in Barcelona, it currently rolls out smart-city projects and industrial automation throughout Europe.

Barcelona City Council  
**D461 Stand**

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



## Bismart

We help decision-making by transforming data into knowledge, through Big Data, Data Analytics, Next Generation Dashboards, Scorecards, Key Performance Indicators, Reporting, Data Warehousing and Data Integrations.

Bismart Data Analytics solutions solve the most pressing challenge for any organisation, public or private – how to harness the power of the data it gathers every day.

Barcelona City Council  
**D461 Stand**

Contact

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



## Sensefields

Serving the latest needs of the intelligent mobility landscape worldwide, Sensefields technology is transforming the mobility management field contributing to a citizen-friendlier future. Based on the IoT, and using cutting edge wireless communication systems that detect and process real-time traffic data, Sensefields offers versatile solutions within a great variety of wise cities, connected roads, smart parking and intelligent airport and port applications.

Taking advantage of the pioneering expertise in the road infrastructure industry, Sensefields is now revolutionising the connected vehicle field by offering advanced telematics services and heading towards V2X – Vehicle to Everything – solutions that are shaping our MaaS environment.

Barcelona City Council  
**D461 Stand**

Contact

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## Iquadrat



Iquadrat Informatica has a focused business plan specifically intended for delivering a “new generation of research tools for system level evaluation of wireless integrated communication systems”. The company is involved in projects with large corporate clients, mobile operators and public authorities and is currently active in three different domains: Software development, consultancy in wireless network planning, and R&D for developing new and innovative products. Our R&D department is involved in many EU-funded research projects, and has extensive know-how in IoT Networks, simulation methodologies for Radio Access Networks, Software Defined Networking (SDN) and Demand Response algorithms for the Smart Grid.

Barcelona City Council  
**D461 Stand**

Contact  
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**www.iquadrat.com**



## AEInnova



AEInnova revalorises waste heat to improve Industry 4.0, making it more efficient and more sustainable. Indueye, the first industrial IOT platform worldwide using battery-less, maintenance-free NB-IOT technology self-powered by heat.

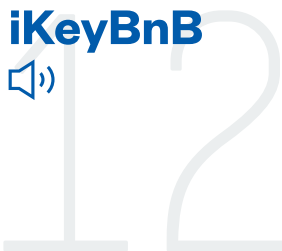
Barcelona City Council  
**D461 Stand**

Contact  
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raul.aragones@aeinnova.com

**www.aeinnova.com**



## iKeyBnB



iKeyBnB has an innovative e-Reception that will welcome guests with a personalised message, scan the guest's documents and safely store and deliver the key of the lodging in a secure and efficient way. We started operating in Barcelona in July 2017 with a shared-use machine (one that many people can use) and since May 2018 we have also had a presence in Malaga, with another shared-use machine, through a franchise. Looking ahead, we have also started building also machines for the exclusive use of low budget hotels and hostels.

Barcelona City Council  
**D461 Stand**

Contact  
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**www.ikeybnb.com**



## Neurite

Human and artificial intelligence collaborating in the cloud. An engineering application development services company building next-gen numerical models. Our main development areas are: Numerical models for city resilience; numerical models for landfills (mechanical stability and leachate); numerical models for surface and fluvial hydrology; cloud computing for underground hydrology. The spin-off consists of the union of three innovative ideas made in APM: executable models in cloud computing, machine learning, and process collaboration, in order to develop a collaborative framework of open knowledge blocks that exploit the Big and Open Data universe.

Barcelona City Council  
**D461 Stand**

Contact  
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xavi.almolda@neuritelab.com

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## Mocca Technologies

Drones are a growing worldwide business, delivering services in all environments, including urban areas. Mapping, infrastructure inspections, precision agriculture, delivery of goods through e-commerce are just some of the potential services. Drones are not mobile-enabled today. Instead, they are connected to a ground control system via limited range communications. Mocca Technologies provides communication infrastructure and services to integrate drones as a new Internet of Things player, boosting drone business productivity in any domain of operations. It is a spin-off from the Polytechnic University of Catalonia (UPC) that leverages more than 10 years of research on and field experience of drone operations.

Barcelona City Council  
**D461 Stand**

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enric@ac.upc.edu

[www.mocca-tech.com](http://www.mocca-tech.com)



## Submer Computing Immersion Cooling



Submer is a Barcelona-based company that develops and manufactures highly efficient and eco-friendly immersion cooling technologies for any kind of IT equipment. It was founded at the end of 2015 and renowned institutions such as the European Commission and a leading Venture Capital firm back the company. Its innovative technology is being installed in very important companies and institutions such as the CERN Large Hadron Collider in Geneva. Submer develops the SmartPod®, a highly efficient, eco-friendly, computing immersion cooling system for IoT, edge computing, Smart Cities, blockchain or any kind of data centre.

Barcelona City Council  
**D461 Stand**

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## Barcode Market



BARCODE MARKET, created in 2010, with more than 25 years of experience in the Automatic Identification, dedicated to the sale and implementation of rugged mobile devices and IoT Solutions for Industry and Smart sectors.

Barcelona City Council  
**D461 Stand**

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## Im3 Ingenieros



Im3 Solutions is the answer to finding the best way to meet the needs of our customers nowadays. It is impossible to solve today's challenges with yesterday's tools, nor can we use the same pattern for all challenges. So we develop customised software ideas that are fully adapted to a specific demand, always relying on technology and innovation. As expert consultants and developers we create a unique solution for our customers (Lighting maintenance companies, City Councils). We integrate different sources of information (PLC, drones, databases, fieldwork information) to make it easier to manage all the data and provide preventive information.

Barcelona City Council  
**D461 Stand**

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## 9Habitat



Control of smart houses and smart buildings. We offer tools for building energy management. 9hNet is a cloud application that allows building control systems to send information to different sensor receptors such as SENTILO, GEMWEB, etc.

Barcelona City Council  
**D461 Stand**

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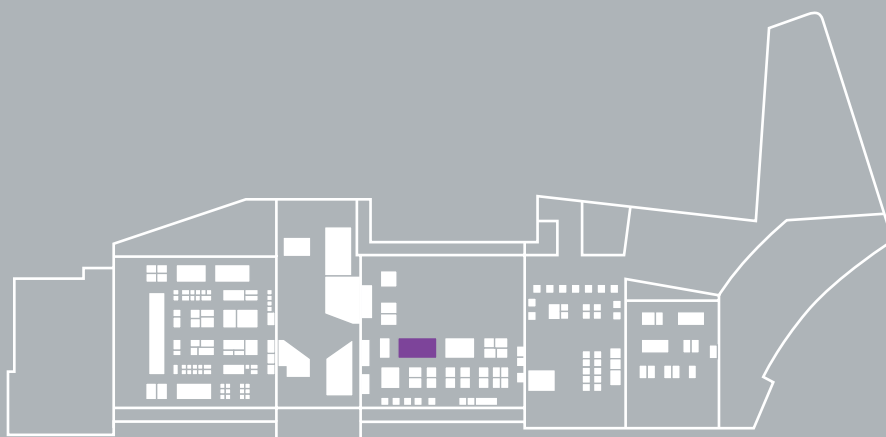


# IN(3D)USTRY

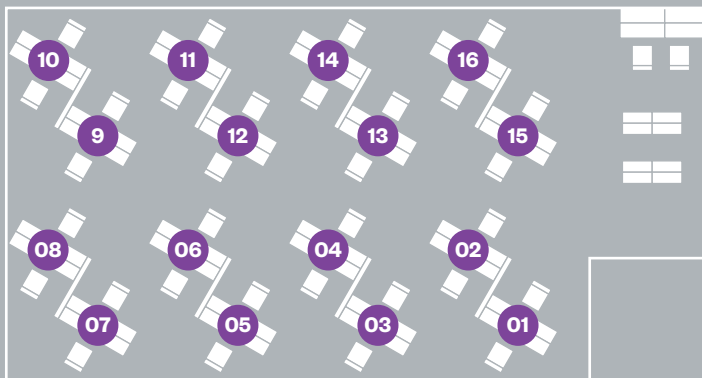
## [GOVERNMENT OF CATALONIA]

### Location at the venue

Fira Barcelona Montjuïc  
(HALL 8)



### C309 Stand



- |                                      |  |
|--------------------------------------|--|
| <b>01</b> — BCN3D Ceramics           | <b>09</b> — CIM UPC                    |
| <b>02</b> — Bonadrone                | <b>10</b> — LICENS3D                   |
| <b>03</b> — Campus Compositos        | <b>11</b> — Alma Medical Imaging       |
| <b>04</b> — IBEC                     | <b>12</b> — Althaia Xarxa Assistencial |
| <b>05</b> — Institut Català del Suro | <b>13</b> — Formbytes Technologies     |
| <b>06</b> — DIOPMA                   | <b>14</b> — Addwerk                    |
| <b>07</b> — Origen Studio            | <b>15</b> — Leitat                     |
| <b>08</b> — Eurecat                  | <b>16</b> — Drukatt                    |

## BCN3D Ceramics

### 3D printed ceramics on demand.

We produce and design ceramic pieces on demand. By combining three different 3D Printing ceramic technologies and traditional mechanical methods, we produce ceramic individual pieces or short series, lowering costs and reaching complex levels of finishing. We also carry out our own research projects to improve techniques and materials. We work in projects of product design, technical pieces, artistic projects and restoration of goods and heritage. Currently we have a workshop equipped with LDM, BINDER JET and SLA printers. Also with all the technology of a ceramic workshop and the necessary postproduction areas.

Government of Catalonia  
**C309 Stand**

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+34 667 750 473

[www.bcn3dceramics.com](http://www.bcn3dceramics.com)

**BCN 3D CERAMICS**

## Bonadrone

### STEM educational solutions.

Bonadrone provide educational solutions to facilitate the adoption of STEM (Science, Technology, Engineering and Maths) in the current educational system and engaging students to them. The central part of the process is to empower teachers in areas such as CAD design, 3D printing, electronics or programming among others through innovative tools. Bonadrone offers a pack consisting of two complementary tools, a 3D printed drone kit and a educational platform that offers teachers documentation, projects and practical challenges not only in the field of technology but also in science, environment, physics, ... to develop their own course or activities in an intuitive way.

Government of Catalonia  
**C309 Stand**

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



## Campus Compòsits

### Integrating research and industrial challenges.

Composites Campus of the University of Girona is a relational platform with the aim of facilitating relationships between companies and the University of Girona with topics related to composites materials and advanced manufacturing technologies. The main research lines include: composite materials with synthetic fibre, bio-based and biodegradable compostable materials reinforced with natural fibre, advanced manufacturing technologies and additive processes of both materials neat and composites.

Government of Catalonia  
**C309 Stand**

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Universitat de Girona  
**Campus Compòsits**



## IBEC

### Printing health.

IBEC is a research centre whose purpose is to carry out interdisciplinary research at the highest international quality level which, by creating knowledge, helps to improve health and quality of life and generate wealth. Beneficiaries of the Institute for Bioengineering of Catalonia include the universities, research centres, the scientific community, the business sector that drives research in the bioengineering field, and society in general. IBEC is a world class research centre with several groups well known internationally in the area of 3D Bioprinting. Our researchers are active in 3D Bioprinting of bone, cartilage, heart and muscle, among other tissues, always in the area of regenerative medicine.

Government of Catalonia  
**C309 Stand**

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## Institut Català del Suro

### Sustainable solutions for 3d printing.

Recently 3D printing polymeric coils have been introduced to the market thanks to the combination of plastic base and vegetal support. According to #circulareconomy and #bioeconomy strategies, we propose the use of byproducts and #forest products, like cork, as raw materials in 3D printing. Cork, due to its properties, may provide versatility in terms of 3D printing technology and would compete directly with other plastic-based products, which have a bigger environmental impact. Low quality cork (byproducts, first harvesting cork, dust or even burnt cork) is not suitable for manufacturing cork stoppers. The new applications of low quality cork, such as 3D printing cork coils, will increase the economic value of cork encouraging forest owners to manage their forests, which are unmanaged in Catalonia at 50%. This new material will be sustainable because of PLA base and the cork percentage, greater than 20%.

Government of Catalonia

### C309 Stand

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



INSTITUT  
CATALÀ  
DEL SURO

## DIOPMA

### Materialising your challenges.

DIOPMA is a scientific research centre at the University of Barcelona, formed at the Department of Materials Science and Physical Chemistry. Group of Materials Engineers and Chemists constitutes the centre DIOPMA. DIOPMA is a consolidated group by the Generalitat de Catalunya, and TECNIO group. The applied research is focussed on: a) Design and Characterization of metallic, ceramic and polymeric materials (composites), b) Product process optimization (Technology transfer) and c) Technical assessment and consulting, applied in the sectors of 3D printing, Metallurgy, Construction, Mining, Energy and Environment. We have been working in the field of additive manufacturing since 2016, focusing our research in the development of material for robocasting and digital light processing.

Government of Catalonia

### C309 Stand

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[www.ub.edu/diopma/index.php/ca](http://www.ub.edu/diopma/index.php/ca)



Centre of Design and  
Optimization of  
Processes and Materials



## Origen Studio

### Interactive products the future is personal.

We are presenting Zetoff, a tool to make 3D modelling easier and empower consumers. Most consumers will not learn to design products or spend a lot of time doing so. Moreover, it is not cost-effective for product designers and brands to manually modify the designs for each client. Zetoff's technology brings affordable personalization to consumers, while making it scalable for brands. We allow designers to create interactive web applications using their current product design files. During IN3DUSTRY, we will demo different use cases and we will print models that the visitors will be able to customize using our apps.

Government of Catalonia

### C309 Stand

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<https://zetoff.com>



## Eurecat



### Experts in 3dprinting: 30 years serving the industry.

Eurecat is leader in Catalonia with more than 30 years serving the industry. Advanced Manufacturing Systems (AMS) Unit, in Eurecat, is specialized in Additive Manufacturing (AM) and 3D Printing Manufacturing (3DP). Our knowledge and Research & Development are focused on developing innovative technologies for AM, in particular Fused Filament Fabrication (FFF), Selective Laser Sintering (SLS), Stereolithography (SLA) and Digital Light Processing (DLP); developing and testing new materials (powders, filaments and resins); creating radical and innovative applications, production processes, and new business models. Our applied R&D projects, materials and systems are aimed at a more efficient, productive and competitive industry.

Government of Catalonia  
**C309 Stand**

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**eurecat**  
Centre Tecnològic de Catalunya



## CIM UPC



### Advanced production technologies.

Leading 3D printing in southern Europe, and committed to society and industry, CIM UPC is the technological institute of the Polytechnic University of Catalonia that serves its environment by making progress in digital manufacturing and production technologies through training, technology transfer and Research. BCN3D was born here, a project based on the design, development and production of domestic and professional 3D printers with an Open Source work method, thus transferring to society all the technical learning acquired during the development of our products. BCN3D Sigma is a professional 3D printer with FFF system capable of reproducing objects with a high level of detail. It is characterized by its IDEX system (Independent Dual Extruder), which allows printing without geometric limitations by combining materials and colors.

Government of Catalonia  
**C309 Stand**

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## LICENS3D



### Blockchain value preservation of 3d models.

LICENS3D is a DRM (Digital Rights Management) platform that uses Blockchain to hinder unauthorized distribution, to prove ownership and protect unrestricted reproduction from CAD files. The product acts as the unique repository of all design data by connecting the CAD system, system administrators and manufacturing hardware directly to the Blockchain securing the data from design to the manufacturing of a product. To make this possible LICENS3D hinders all access to the 3D data to ALL members involved in the design, engineering and manufacturing. This means that there is no possibility of saving the files in different names locations or versions.

Government of Catalonia  
**C309 Stand**

Contact

**Josep Lluís de la Rosa**

josepluis.delarosa@licens3d.com

+34 674 388 894

[www.licens3d.com](http://www.licens3d.com)





## Alma Medical Imaging

### 3D printing models for surgical planning.

Alma is a Spanish software company specialized in the development and commercialization of advanced viewers for medical imaging. These viewers include latest generation tools for diagnostic and surgical planning. Alma, set up in 2005, is currently consolidated in the medical technology market with more than 5,000 licences installed in more than 400 hospitals of different countries such as Spain, Italy, Argentina, Colombia, Chile, Mexico, etc.

The company, as an adaptation and innovation strategy, is in constant development of incremental improvements and developing new products to satisfy the healthcare sector needs.

Government of Catalonia  
**C309 Stand**

Contact

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652 372 568

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## Althaia Xarxa Assistencial

### Master's program in medical 3dprinting for health staff.

We present the first International Master's Degree in 3D printing and Bio-printing designed for healthcare professionals. With the collaboration of MassMEDIC cluster, Boston children's Hospital, research centers such as TUFTS, IBEC, EURECAT & LEITAT and universities from Toronto, Barcelona, Polytechnic of Catalonia, Vic and Manresa. Also involved companies such as ALMA IT, AVINENT, MASTERTEC, MORNINGLABS, among others. This Master's Degree is supported by the CataloniaBio Health Tech Cluster. The program aims to educate and train healthcare professionals in the use and benefits of 3D Printing technologies along the medical processes and applications such as anatomical models for simulation and operations preparation, implants, prosthetics and orthotics, surgical instruments and cutting guides, dental, tissue fabrication and so on.

Government of Catalonia  
**C309 Stand**

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## Formbytes Technologies

### 3d printing for everyone.

Formbytes was born with the desire to democratize a technology as important as 3D printing and bring it to everyone. With our own design made in Barcelona, we focus primarily on the educational environment, which is an ideal 3D printer for initiation. With a really positive feedback, we fill the current great gap of this technology, which is the lack of training and accessibility, and is currently the brand with the most printers in the schools of Catalonia. We have been promoting the STEM vocations from an early age, prioritizing by forming future professionals of the Industry 4.0. We are going to offer the new version of the 3D printer, it will be the date of its launch. The product is already fully approved with CE marking... it is aimed not only at users who want to start but also companies and industrial companies as a team to internally train 3D printing. An example was the workshop we did at Seat.

Government of Catalonia  
**C309 Stand**

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



## Addwerk

14

### Your 3d prints custom finished.

Addwerk is a 3D Printing service bureau and contract manufacturer specialized in delivering painted finished parts. Our printing service is based on HP's Multi Jet Fusion technology. We can apply from food grade paints to automotive finishes on the manufactured parts with a very short lead time. We are the best choice for JIT small batch production. We will showcase three products:

1. Our 3D Printing and finishing service.
2. Our 3D Printing consulting service.
3. The product we are developing: drones bodyworks for gaming and inside caves works.

Government of Catalonia  
**C309 Stand**

Contact

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



## Leitat

15

### Accelerating the adoption & development of AM.

Leitat leads the RIS3CAT LLAVOR 3D Community, made up of 31 members, which accumulates a budget of almost €11 M with the aim of accelerating the development and adoption of additive manufacturing and 3D printing technologies by the industry. The Community is co-financed by the Generalitat de Catalunya (ACCIÓ), through a grant of €3.8M from the ERDF fund. For companies, these technologies represent an alternative to design, develop and produce new products that strengthen their competitiveness. The Action Plan of the Community foresees technological developments in the sectors of tool manufacturing, improvement of products and industrial processes, transport and health.

Government of Catalonia  
**C309 Stand**

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## Drukatt

16

### Mechanical spare parts improvements.

Drukatt is focused on mechanical manufacturing mainly on spare parts to industry, adding value with additive manufacturing combining it with conventional manufacturing, as well as adding same value to mechanical products industrialization.

Drukatt's main activity is improve manufacturing processes of spare parts on industry regarding to delivery, durability, performance or something related to industry efficiency on mechanical manufacturing. Currently we are offering to our customers turnkey services on spare parts improvement from scanning, reverse engineering, materials and design engineering, additive manufacturing and other manufacturing processes. We have documented a significant case history from chemical industry.

Government of Catalonia  
**C309 Stand**

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# IN(3D)USTRY (BARCELONA CITY COUNCIL)

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**Location  
at the venue**

Fira Barcelona Montjuïc  
(HALL 8)



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**C315 Stand**

- 01 — Ateneus de Fabricació
- 02 — Prototyping Support Service
- 03 — Technology Park

## Ateneus de Fabricació



Ateneus de fabricació are athenaeum-like spaces promoted by Barcelona City Council that are open for all those who want to learn and experiment with the world of digital fabrication. We have machines and qualified personnel to help and support your project, and host activities related to the social and solidarity economy, where sharing is the model. This is based around the idea of use rather than ownership, because sharing is also a business model, a city model and a way of life.

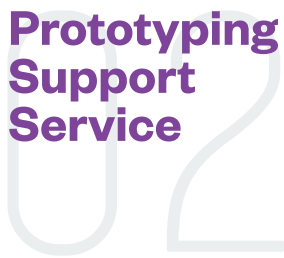
Barcelona City Council  
**C315 Stand**

Ateneus de Fabricació Network:  
**Fàbrica del Sol**  
adflafabricadelsol@gmail.com  
**Les Corts**  
ateneufabricaciolescorts@gmail.com  
**Ciutat Meridiana**  
ateneufcm@gmail.com



ATENEUS DE  
FABRICACIÓ

## Prototyping Support Service



Barcelona Activa's "Prototyping Support Service" offers a strategic support for companies and entrepreneurs in their prototyping processes, with the objective to increase the efficiency of their products' prototyping phase.

This service is the combination of 3 synchronised parts: personalised professional guidance, adapted prototyping roadmap and facilities with 3D-printing and laser-cutting machinery.

The "Prototyping Support Service" takes place at Barcelona Activa Technology Park.

Barcelona City Council  
**C315 Stand**

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[www.barcelonactiva.cat/park](http://www.barcelonactiva.cat/park)



## Technology Park



Located in the Nou Barris district and managed by Barcelona Activa, the Technology Park is specifically aimed at helping young technology companies.

With personalized and permanent services, programmes and activities, the Technology Park's objective is to help the tech-based companies thrive through 3 main strategic lines:

- Support and improve business growth processes
- Foster business innovation
- Generate talent linked to new technologies

All in all, Barcelona Activa's Technology Park hosts around 50 companies and more than 100 innovation-related events annually and is open to be of service to all tech-based companies in Barcelona.

Barcelona City Council  
**C315 Stand**

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**Aurora Morales**  
aurora.morales@barcelonactiva.cat

[www.barcelonactiva.cat/park](http://www.barcelonactiva.cat/park)

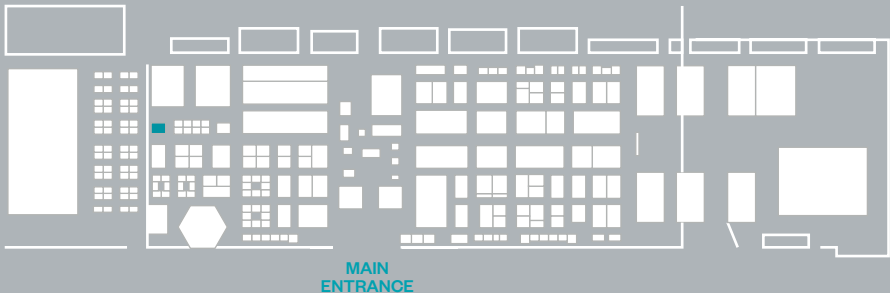


# BLOCKCHAIN SOLUTIONS WORLD

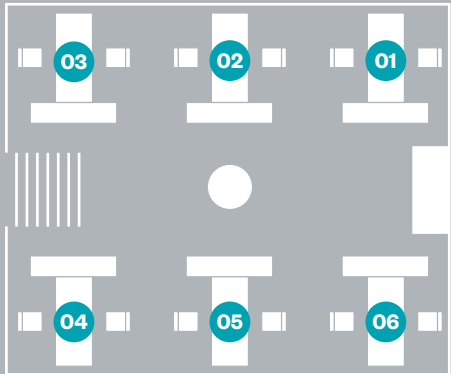
[GOVERNMENT OF CATALONIA]

**Location at the venue**

Fira Barcelona Gran Via (HALL 2)



**D493 Stand**



- 01 — LICENS3D
- 02 — Keleris Grup
- 03 — BIT - Blockchain Institute & Technology
- 04 — Eurecat
- 05 — Nakima Innovation Factory
- 06 — Validated ID

## LICENS3D



LICENS3D focuses on integrating CAD software, such as Rhinoceros, to an encrypted file system in the cloud with blockchain and smartcontracts options for certification of use of each file and having a distributed probative value in case litigation, and management of the DRM and IP rights. The product acts as the unique repository of all design data by connecting the CAD system, system administrators and manufacturing hardware directly to the Blockchain securing the data from the design to the manufacturing of a product. To make this possible LICENS3D hinders all access to the 3D data to ALL members involved in the design, engineering and manufacturing. This means that there is no possibility of saving the files in different names locations or versions OFFCHAIN, no other than on blockchain.

Government of Catalonia  
**D493 Stand**

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## Keleris Grup



At Keleris Grup we develop applications based on blockchain technology, mainly in three different areas: Cryptocurrency, Smart Contract and Electronic voting systems. We are located in Lleida but our scope is national and international, collaborating with global development projects and with a team led by Juanjo Ruiz, an entrepreneur with more than 20 years of experience in the ICT sector, and the rest of the partners, Xavier Vilardell (Waydn), Albert Clivillé (Tecnologia Lliure) and Òscar Ortega (bTactic), all of them experts in different areas of ICT

Government of Catalonia  
**D493 Stand**

Contact

**Oscar Ortega**

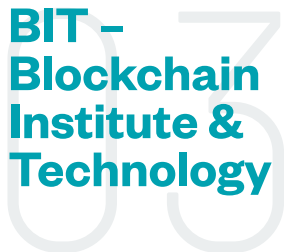
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## BIT – Blockchain Institute & Technology



The Blockchain Institute & Technology, BIT is an academic institution that was founded in Barcelona with the aim of being an international reference in disruptive technology education.

Our revolutionary methodology of education is based on virtual presence and practicums hands-on projects, which delivers a transformative and immersive experience to the participants of our programme.

Government of Catalonia  
**D493 Stand**

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## Eurecat



Eurecat is the leading Technology Centre in Catalonia. Eurecat works in several lines related to Blockchain technology:

- Cybersecurity issues relevant to this technology (analysis of weaknesses, threats and attacks).
- R&D of Blockchain-based solutions applied to governance, logistics and health.
- Analysis and development of post-quantum algorithms to be applied in Blockchain.
- Support to companies interested in Blockchain-based innovation, by integrating this technology into their services, internal processes, production processes, etc. in an efficient and secure way.

Eurecat is an active member of ALASTRIA and the BECON (Blockchain Ecosystem Network) Catalan chapter.

Government of Catalonia  
**D493 Stand**

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**www.eurecat.org**



## Nakima Innovation Factory



Nakima works on changing the way of generating and implementing technological innovation projects, accompanying organizations in their initiatives and with the ultimate goal of contributing to the creation of a more connected and global world that facilitates the lives of people. Nakima wants to be an international benchmark in technological innovation, consolidating day by day its leadership in the domain of the latest trends and promoting a new style of relationship with customers.

Government of Catalonia  
**D493 Stand**

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## Validated ID



Validated ID provides secure trusted third party services for businesses with ViDSigner, an electronic signature platform enabling biometric, centralized, remote and eID signing; and ViDChain, a decentralized self-sovereign digital Identity solution based on Blockchain.

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