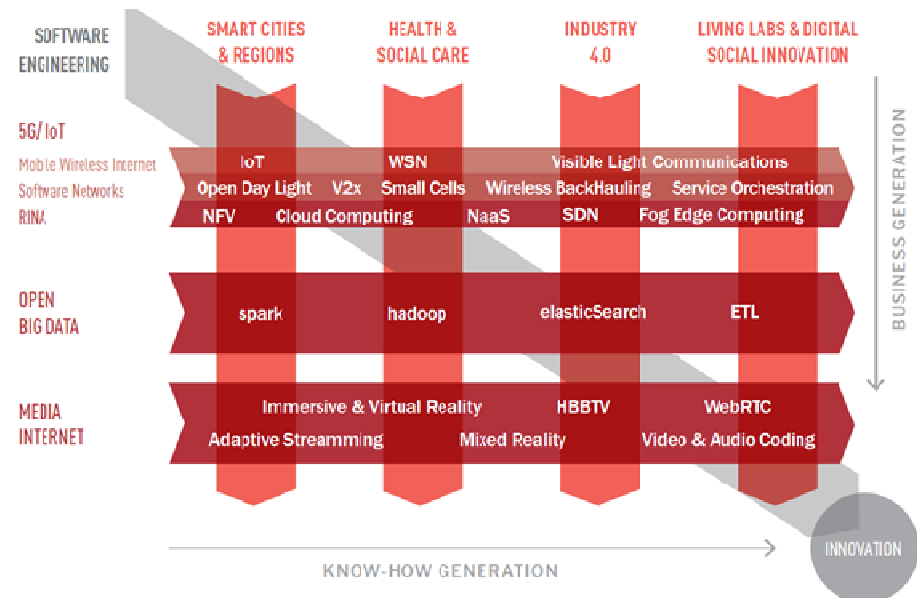


- i2CAT Foundation is a non-profit research and innovation centre which promotes mission-oriented R+D+i activities on **advanced Internet architectures, applications and services**.
- The centre stands up for a **new open Innovation framework**, fostering the collaboration between companies, public administration, the academic environment and end-users.
- **Board of trustees**



R&D&i AND INNOVATION BUSINESS AREAS



4,45 M€
TOURNOVER 2016

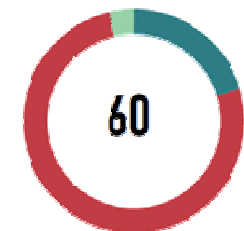
8,6 M€
NCOMES H2020 2014-2016

22
ACTIVE PROJECTS H2020 EC ACTIVOS

GROWTH TURNOVER

+22%
2015-2016

STAFF



5G Barcelona – Industrial Ring – IoT-CAT Hub

Barcelona
City-Wide Field and Lab Trials

5G PPP
The 5G Infrastructure Public-Private Partnership

SDN / NDF WG

Participation working group

Europe collaboration

22 projects

5G market 2025
130,000 MC
2,3 M jobs

5GBarcelona
5G City-Wide Field and Lab Trials

4G OPEN Experimental Platform in Barcelona

5G-IOT DIGITAL HUB

LOCAL

FLAME, METRO-HAUL, 5G-CITY, 5G-TANGO

Barcelona Field&LabTrial

Area 3: CTC Lab-trial @ Castelldefels, Wireless-Mesh Transport Network, Packet transport Network, Metro-DC, Core-DC, RAN, ONIS, Optical Core transport Network.

Area 1: c/Pere IV @ BCN, IMI Glories Office, Metro-DC/CO, Street Cabinets, Edge-DC, Lampost, Small Cells @ 3.5GHz, SDRN Wi-Fi @ 5GHz, Massive MIMO @ 3.5GHz.

Area 2: CH Office, Metro-DC/CO, OLT, WDM-PON, Edge-DC, ONT, RAN, Roaming Exchange, MOBILE WORLD CONGRESS.

10 Gbps L2, GEANT, Optical Metro Network.

Industrial Ring

Industry4.0 workshops
Innovative projects generation around Industry 4.0

Plataforma Industrial 4.0
Marketplace for industrial 4.0 applications in the cloud

AnellaIndustrial.cat

Funding sources
Support to access to funding sources to Innovate

High speed bandwidth
Fiber optic network

IoT-CAT Hub

IoT CATALAN ALLIANCE
Ecosystem IoT value chain

ACTORS: SMART DEVICE, NETWORK, PLATFORM, SERVICE PROVIDER

FUNCTIONS: SMART FACTORIES, SMART AGRICULTURE, SMART TRANSPORT, SMART LOGISTICS, SMART RETAIL, SMART HEALTHCARE, SMART ENERGY, SMART CITIES, SMART INDUSTRY

TECHNOLOGIES: GATEWAY, PROGRAMME, SHORT STORAGE, INTERGATE

PRINCIPAL

IoT CATALAN ALLIANCE

Everything Is Connected
Connection Is Power.

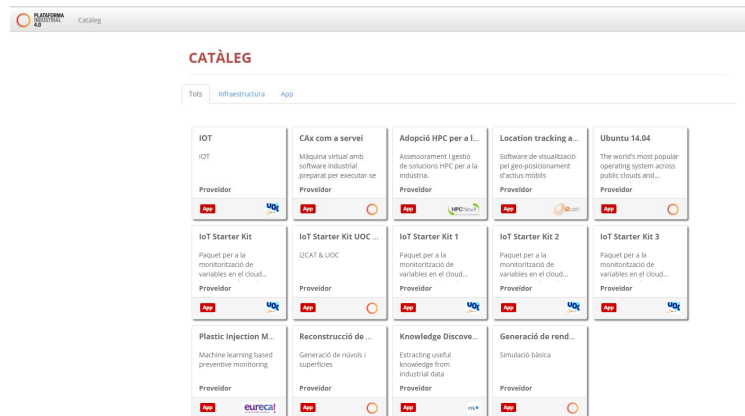
INFRAESTRUCTURE



With the support of
RIS 3 CAT
 Research and Innovation Strategies
 for Smart Specialisation
 a CATALUNYA

SMART SPECIALISATION PLATFORM

An open source service platform for the industry developed by regional technological centres with the support (investment) of Catalonia regional government.



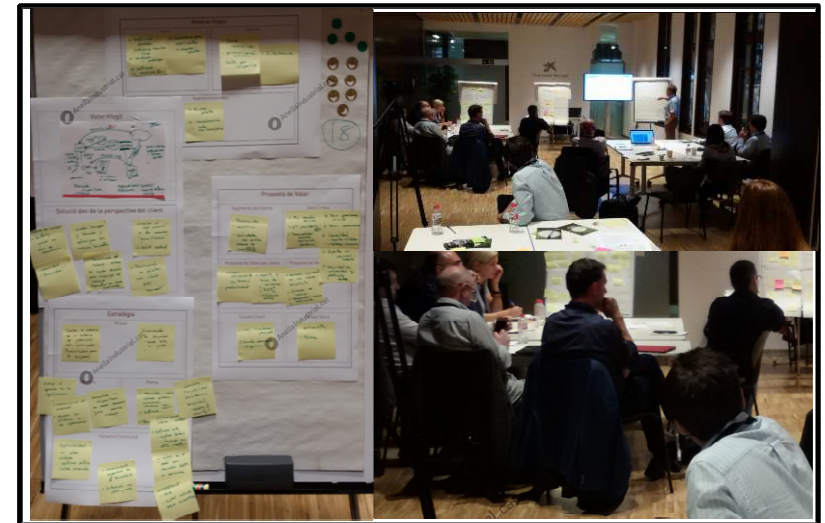
<http://plataformai40.com/>

Use cases:

- Real time analytics of injection moulds
- IoT starter kit for training
- Data analytics as a service – on construction-
- Assets geopositioning platform – on construction-

WORKSHOPS

INNOVATIVE WORKSHOPS FOR INDUSTRY



TRAINING



Fabricació Digital: Aplicacions del concepte "digital twin" i quines noves oportunitats genera per a la indústria. Indústria 4.0



"Aquesta activitat està cofinançada pel Fons Europeu de Desenvolupament Regional (FEDER) de la Unió Europea, en el marc del Programa Operatiu FEDER de Catalunya 2014-2020, Operació 1: Millora del teixit econòmic empresarial de la ciutat i Actuació FEDER 1.2: Indústria 4.0, prototipatge industrial i economia verda."

Best practices:

- Collaboration with clusters, councils to identify geographical & sectorial challenges'
- Collaborate with companies, RTO, University,...
- Government support

Challenges:

- Impact! Impact! Impact!
- How to engage SMEs?
- Access to finance for SMEs



Fostering your innovation

Thanks for your attention!!

Silvia Castellví
Innovation Business Unit
Manager
Industry 4.0

Skype: [silvia.castellvi](https://www.skype.com/people/silvia.castellvi). Catala
Telephone: +34 635786560
silvia.castellvi@i2cat.net