



# MOBILE WORLD LAB

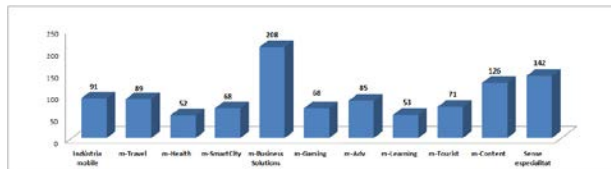
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BARCELONA, THE FIRST **OPEN TEST LAB** FOR **MOBILE SOLUTIONS**

# BARCELONA, A PLACE FOR INNOVATION

- Rich ecosystem of initiatives:
  - Infrastructure buildouts
  - Centers of excellence
  - Living labs
  - Global congresses and forums
  - Supercomputing, LTE, ...



552 enterprises in Catalonia dedicated to mobility



Barcelona has become a place where businesses and technology centers can innovate, run pilot tests and test new products and solutions.

# THE MOBILE WORLD LAB

The Mobile World Lab is an international laboratory dedicated to the testing and validation of mobility solutions in test beds and live environments



The Mobile World Lab brings together technological centers of excellence, universities and Barcelona's Urban Lab to create the largest and most complex mobility testing scenario, covering all areas of transport, access, terminals and applications, with a special focus on live users and environments.



Serves as a single access point and manages the portfolio and projects to ensure quality and competitive pricing.



The Mobile World Lab has the participation of the Government of Catalonia, the Barcelona City Council and the Barcelona Mobile World Capital Foundation.

# FOUNDING PARTNERS



Brings global coverage and integration into its Mobile World Hub activities, acting as a catalyst for the Mobile World Lab

Bring their facilities and citizens to the mix, allowing the Mobile World Lab to have full access to real environments and people

**MOBILE WORLD LAB**

The technology centers (Bdigital, CTTC, I2Cat) and the UPC bring their current services and expertise into the portfolio, enabling the Mobile World Lab to be fully functional from day one



# OBJECTIVES

Establish the first independent & open test lab for new mobile solutions:

- Applications
- LTE & next gen technologies
- Living Labs

Support the industry creating innovation through accessible validation and testing capacities

Become a knowledge center for mobility, improve society through dissemination

Build a world wide network of mobility laboratories

Contribute to the development of a sustainable mobile industry in Barcelona

The Mobile World Lab supports the world-wide development of cutting-edge mobile technologies with the most innovative ecosystem of live test beds and Living Labs.

# SERVICES

- The services portfolio responds to the testing and validation requirements of companies in the mobile environment, covering transport, access, devices and applications, with a special focus on live user interaction and validation.
- We tailor our services based on our customer's specific needs, bringing together test laboratories, living labs and mobile networks to create live environments for in-depth testing.
- Our international technology centers and partners support the services portfolio with their proven capacity and long track record of industry engagement:



# SERVICES PORTFOLIO

## • Network Services

- Design and rollout of test bed networks
- Network evaluation and performance
- Transport and access network simulations
- Sensor network validation and testing
- Interoperability network testing
- Radiation measurement (network and access devices)
- Extension and changes to network protocols and architectures
- Networking stack development and testing



## • Terminal Services


- Terminal testing in urban environments
- Application monitoring and usability testing
- Media content adaptation services
- Collaborative tools and immersion
- mHealth platforms, services and applications testing
- Device driver development and validation



## • End-user services

- Application testing: Crowd Testing
- End-to-end data privacy protection compliance
- Living Labs
- mSmart Cities testing





For further information or to download a full services portfolio, please visit us at:

<http://mobileworldlab.eu>

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