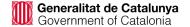
Future mobility industries

Promoting sector transformation and new investments

Barcelona, 23rd October 2018





• Catalonia, an **outstanding** automotive region ...



... In a **changing** world







• Future mobility industries in Catalonia. A diverse approach:

CAV CATALONIA

Connected - Automated

EV CATALONIA

Electric

MaaS CATALONIA

Shared - Combined





Some recent investments







































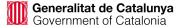






- Cover all needs for the development and testing of CAV technologies both on close scenarios and public roads
- Talent creation for CAV industry









CAV testing on public roads

IDIADA and other partners

Mobility lab

CELLNEX and other partners

C-Roads / Inframix

ABERTIS and other partners

5G Barcelona field & lab trials

MWC and other partners

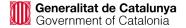
Other Projects

Comprehensive Test Environments and Services











CAV Testing on public roads project defines procedure and test locations

Location criteria from the industry:

- Presence of sensor blockers
- Presence of sky blockers
- Presence of road obstacles
- Presence of communication issues
- High road user density
- High traffic sign density
- Varying road characteristics
- Different intersections
- Parkings
- High speed road entries and exits



Test locations









Legal framework

Since 2015, a legal framework allows for public road testing of highly automated vehicles in Catalonia (L3, L4, L5)



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CAV authorization: One-stop-shop

- 1. License plate application
- 2. Documentation & Plan
- 3. Additional requirements

Arplus[⊕]

- 4. Technical inspection
- 5. Dynamic check
- 6. Final decision

Catalan Traffic Authority (SCT)



Fast track: Equivalent test authorization from other EU member states is valid

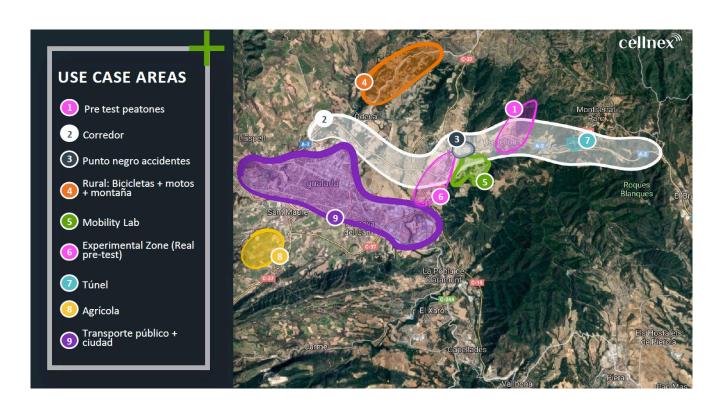








Mobility lab project implements innovative testing space for the development of ITS technological solutions, particularly in the field of vehicle-to-vehicle (V2V) and vehicle-to-infrastructure (V2I) communications







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Study "EV Opportunities for Catalonia"



Experts' table on EV in Catalonia







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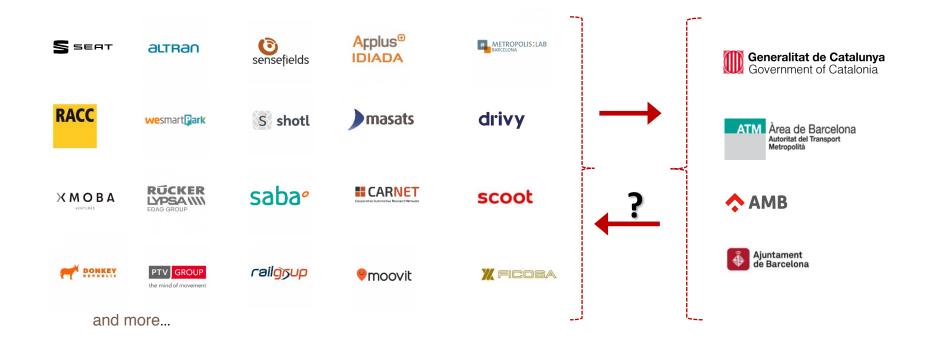
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 A public-private Forum launched with the main goal to foster Mobility-as-a-Service deployment in Catalonia: Vision and pilot projects

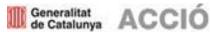






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