

# CCAM R&D&I Ecosystem in European Union

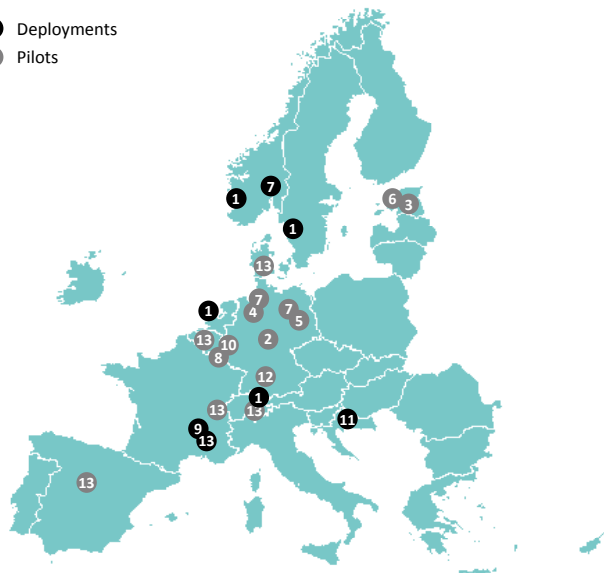


EU is actively advancing Connected, Cooperative and Automated Mobility (CCAM) through coordinated research, cross-border collaboration and large-scale testing under initiatives such as the CCAM Partnership and Horizon Europe. The European approach supports harmonised deployment and testing frameworks, including alignment across European test beds, interoperable digital infrastructure and common evaluation

methodologies. An EU-level type-approval framework covering Level 4 automated vehicles provides an important regulatory basis for deployment, complemented by evolving policies on data sharing, AI and road safety. Strong emphasis is also placed on public trust, societal acceptance and cooperation between public authorities, industry and research actors.

## Main Stakeholders, Pilots & Deployments

- Deployments
- Pilots



### POLICY

- EC: DG RTD, DG CONNECT, DG MOVE, DG GROW, JRC
- Connecting Europe Facility
- CCAM Partnership
- 2ZERO Partnership
- ADRA Partnership
- Chips JU
- National Ministries of Transport/Infrastructure

### R&D PILOTS

Connected automated driving

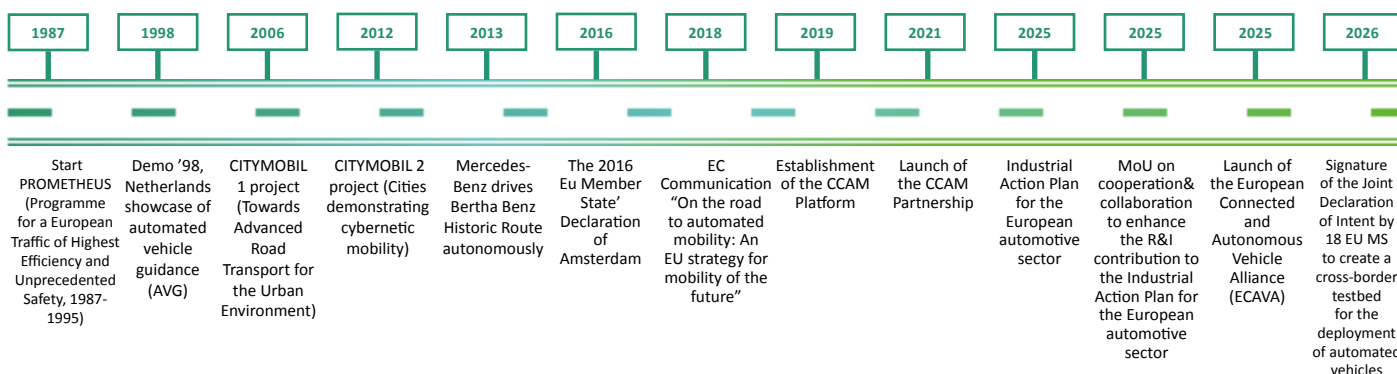
### INDUSTRY



### DEPLOYMENT

- 1 ADARTEC
- 2 Baidu
- 3 bilq
- 4 EVERSUM
- 5 HOLON
- 6 HYUNDAI
- 7 MOIA
- 8 PONY
- 9 RENAULT
- 10 STELLANTIS
- 11 VERNE
- 12 WAYMO
- 13 U8 WeRide

## Regional CCAM Timeline



## Primary R&D Topics

- Large-scale demonstration
- Vehicle technologies
- Validation
- Integrating CCAM in the transport system
- Key enabling technologies
- Societal aspects and people needs
- Software defined vehicle

## Relative Fleet Sizes

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## Building Block Index

Successful implementation of CCAM depends on a combination of regulatory, organisational, technical and societal conditions that enable automated mobility solutions to move beyond pilot projects and into everyday operation. Europe has identified the following key Deployment Building Blocks (DBBs) to support this transition: Vehicle (inside the vehicle), Person (users, citizens, workforce), Physical & Digital Infrastructure (communication, roadside, server), Business, Design and operations (operational challenges, lessons learnt, integration into public transport) and Regulation. A qualitative assessment by the CCAMBassador team to see to what extent these building blocks are addressed in the various regions around the world led to the following insights / relative ranking. In the EU the most mature building blocks are Vehicle, Physical & Digital Infrastructure and Regulation, followed by Design and operations, Business and Person.

This factsheet is based on publicly available information, input from CCAMBassador experts and relevant national stakeholders. Despite best efforts to ensure accuracy and completeness, it should not be considered authoritative or exhaustive. Suggestions or remarks? Contact [info@connectedautomateddriving.eu](mailto:info@connectedautomateddriving.eu)



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