29-30 Οκτώβριος 2026 | Συνεδριακό Κέντρο Φιλοξενία Λευκωσία, Κύπρος

8ο Συνέδριο
Βιώσιμης Κινητικότητας και Ευφυών Συστημάτων Μεταφορών

Automated and Cooperative Driving

Αυτοματοποιημένη και Συνεργατική Οδήγηση

George Christou

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ERTICO – ITS Europe

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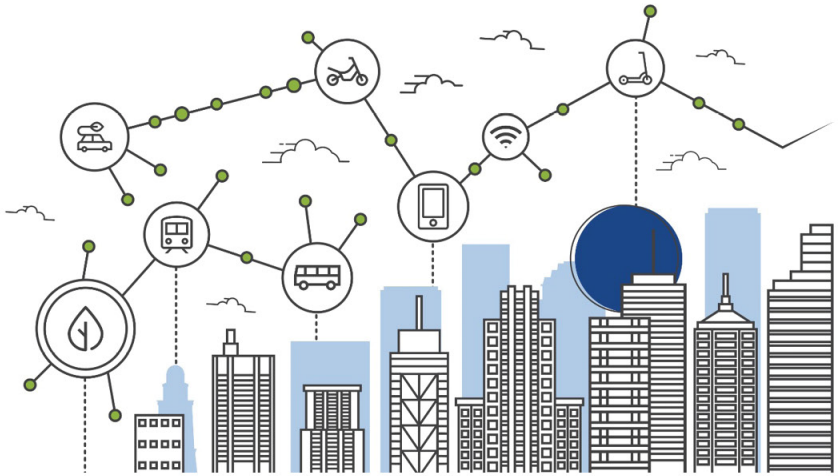

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Με τη συγχρηματοδότηση της Ευρωπαϊκής Ένωσης

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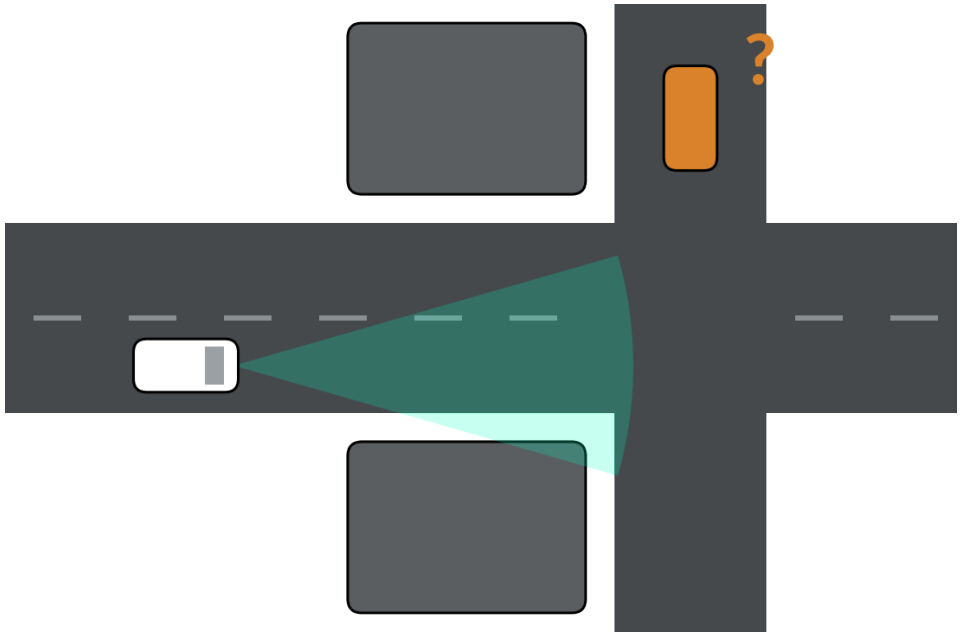
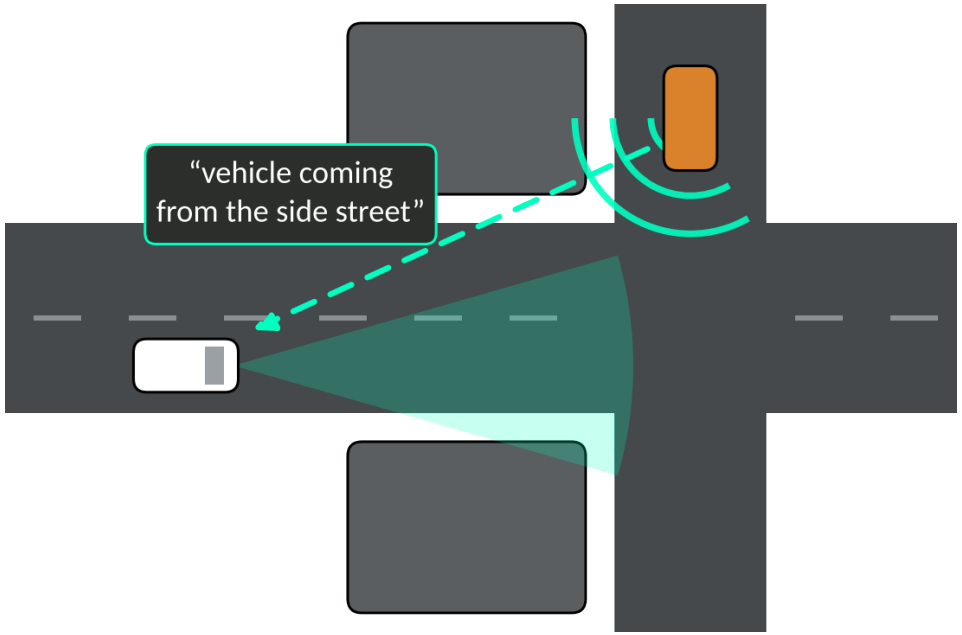
A car that sees, and a car that talks



Automated

Sensors and software drive the car. It reacts to what it can see, and buildings, trucks and bends get in the way.



Cooperative

Vehicles and the road exchange messages (V2X, C-ITS). The car hears about the hazard before it can see it.

Driverless is now a service, mostly outside Europe

500k+

paid driverless rides every week

Waymo, 15 US metro areas

23M+

fully driverless rides to date

Baidu Apollo Go, China

EUROPE

~15

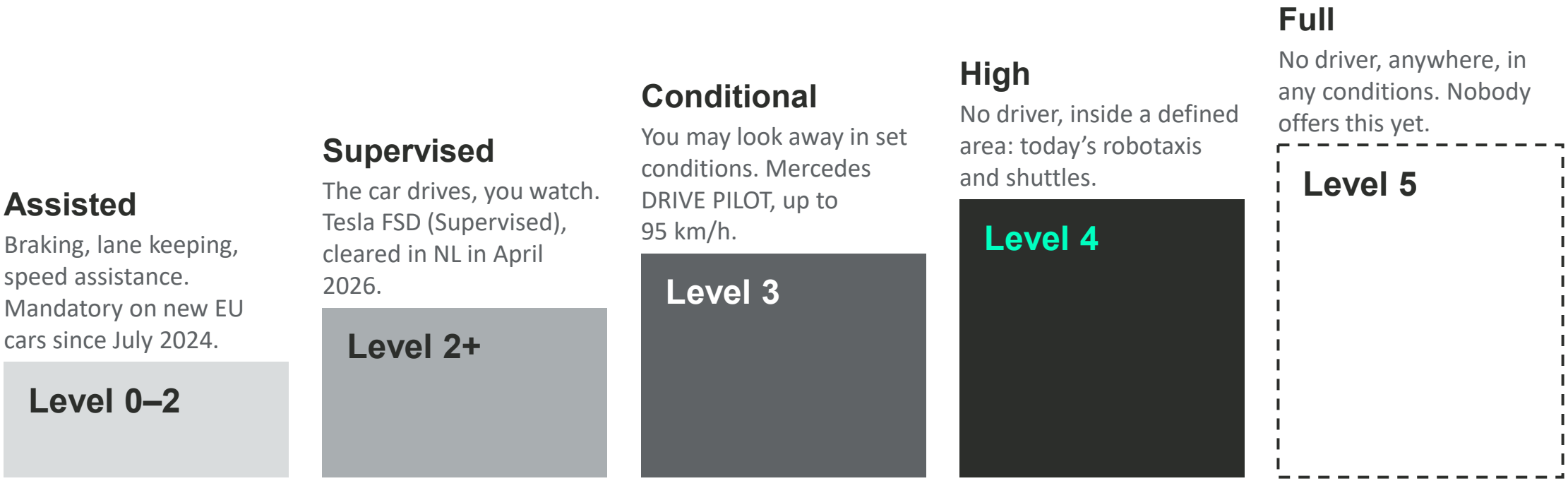
cars in London's first robotaxi service, still with a safety driver

Wayve + Uber, since Sept 2026

Europe has run 400+ CCAM projects on ~300 test sites. The next step is moving from testing to operating services.

Sources: thechargeport.com robotaxi tracker (Sept–Oct 2026); Wayve/Uber, Sept 2026; CCAM Knowledge Base

In our own cars: assistance, not autonomy (yet)



Levels: SAE J3016 ("2+" is industry shorthand). Sources: Reg. (EU) 2019/2144; RDW (Apr 2026); KBA

Europe’s rulebook caught up, step by step

2019
General Safety Regulation
Driver assistance becomes mandatory equipment

2021
UN R157 (ALKS)
First rules for Level 3; 130 km/h from 2022

2022
EU 2022/1426
Type approval for driverless systems, small series

2023
ITS Directive revised
C-ITS, digital road data, automated mobility

2024
UN R171 (DCAS)
Rules for advanced Level 2 systems

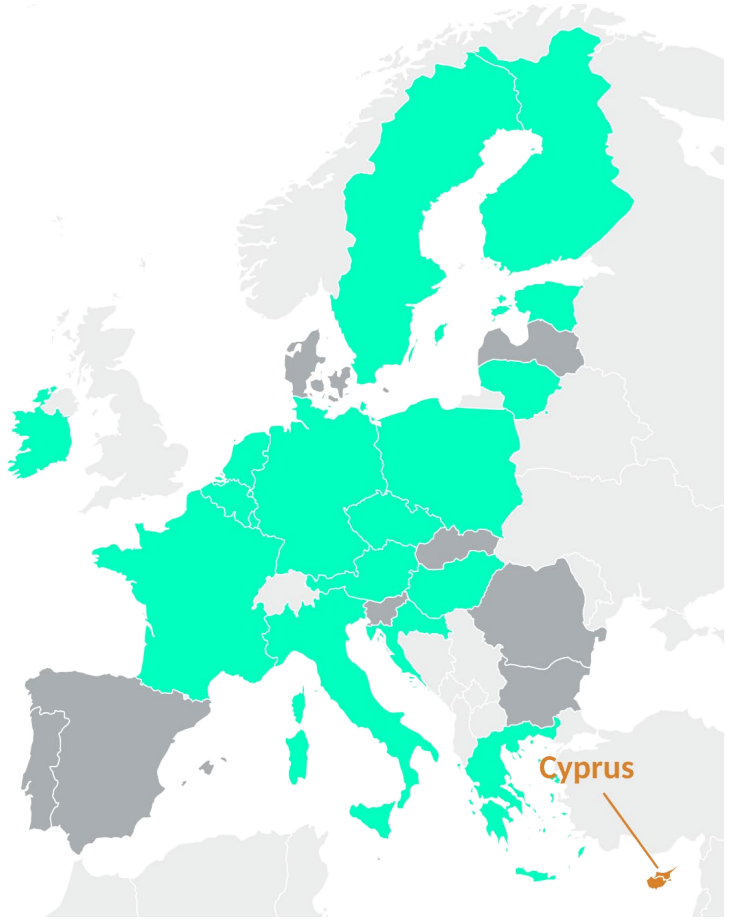
2025
Automotive Action Plan
Cross-border testbeds and an EU AV alliance

Jun 2026
UNECE WP.29
First global regulation for driverless systems

Jun 2026
18 Member States
Testbed declaration signed, Cyprus included

Sources: EUR-Lex; UNECE WP.29 (June 2026); European Commission, 8 June 2026

18 countries, one testbed network. Cyprus is in.



Signed on 8 June 2026

18 Member States and Commissioner Tzitzikostas agreed to work towards common rules for permits and approvals across borders.

Services, not just vehicles

Public transport, freight and on-demand mobility. Medium-sized cities are invited to take a pioneering role.

Money is following

€20M from CEF in 2026 for remote supervision and digital infrastructure for automated vehicles (call closed 6 Oct).

Signatory Other EU Cyprus

Source: European Commission, DG MOVE news, 8 June 2026

What Europe still has to solve

Scale

Driverless types can only be approved in small series, 1,500 a year. The EU is moving to unlimited series.

Permit patchwork

Testing, safety checks and permits still differ in every Member State. The goal is mutual recognition.

Traffic rules

Still written for human drivers: priority, vulnerable road users, remote operation, fallback.

Liability

Who is liable when software drives? The new Product Liability Directive applies from Dec 2026.

AI, data, cyber

AI Act, Cyber Resilience Act and data rules all apply. Operators need practical guidance.

Connected roads

Automation needs C-ITS messages and reliable road data on National Access Points.

Sources: ERTICO (J. Vantomme, Feb 2026); Reg. (EU) 2022/1426; Directive (EU) 2024/2853; Directive (EU) 2023/2661

Cyprus: the foundations are being laid



Part of the EU testbed network

One of the 18 signatories of the June 2026 declaration

National ITS upgrade, €4.9M

New traffic management centre, 40 message signs, 180 counters, 170 cameras, digital twin (RRF)

Open traffic data

Traffic4Cyprus, the National Access Point, publishes road and traffic data

Research capacity

KIOS CoE and UCY: connected and automated vehicles, digital twins

A say in ITS standards

CYS (cys.org.cy) runs the national mirror committee for CEN/TC 278. Draft standards are open for comment.

Sources: European Commission (8 June 2026); SWARCO / Dept. of Public Works; traffic4cyprus.org.cy; KIOS CoE; CYS

Safety is the business case

46

road deaths per million inhabitants in Cyprus in 2025

Up 10% on 2024, while road deaths across the EU fell 3%.

Where Cyprus could start

An island is a natural testbed: short distances, clearly defined areas.

Airport links

Fixed routes from Larnaca and Paphos airports to city and resort hubs, a clear first area for automated shuttles.

Port logistics

Limassol port and its access roads: freight automation on a managed, well-defined site.

Day-1 C-ITS warnings

Roadworks, hazard and queue warnings on the motorways, built on the new traffic centre.

Source: European Commission preliminary 2025 road safety figures (24 March 2026)

ERTICO: from research to roads since 1991

120+ partners from public authorities, industry, research and users. **Including from Cyprus KIOS CoE, NextBike Cyprus and MaaSLab**. **Selected CCAM projects:**

CCAMbassador

Coordinator

Supports the EU CCAM Partnership and helps Member States align rules for testing and deploying automated vehicles. 2025–2028.

FAME

Coordinator

Built the EU Common Evaluation Methodology for CCAM tests and Europe's CCAM knowledge base. Completed 2025.

FRODDO

Coordinator

Safe-system design for CCAM in a federated digital twin, with four pilots around the Mediterranean.

metaCCAZE

Coordinator

Helps cities roll out electric, automated and connected mobility, with business and governance models.

SUNRISE

Partner

A common safety assurance framework for automated driving systems.

IN2CCAM

Partner

Fits CCAM services into the wider transport system, with cities and road operators.

Three moves for Cyprus

01

Pick a first use case

One corridor or service, such as an airport link, the port or a campus, and bring it into the EU testbed network through a EU funded mechanism or through National Budget.

02

Connect the road

Use the new traffic centre for C-ITS warnings and keep the National Access Point data rich and reliable. Equipped with RSUs.

03

Build the community

Authorities, operators, researchers and industry at one table, so Cyprus speaks with one voice in Europe.

ONE MORE THING

Introducing ITS Cyprus



Εξυπνότερες, ασφαλέστερες μετακινήσεις για την Κύπρο

A non-profit association, now being set up, to become Cyprus's national ITS association: a neutral table for public authorities, research and the mobility industry.

Safe roads for everyone

Connected roads

Island and visitor mobility

Clean and shared transport

Open mobility data

Flagship · Road to Zero Cyprus A verified register of serious collisions, analysed with the Safe System approach.

ITS CYPRUS

Become a founding member

Public authorities, operators, universities and companies are all welcome, ahead of the first general assembly.

- A neutral meeting place for authorities, industry and research
- Introductions to partners for Horizon Europe and CEF projects
- A voice in working groups on safety, data and C-ITS

Thank you. George Christou

Scan to express interest

itscyprus.cy

Οργανωτές

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ΤΜΗΜΑ ΔΗΜΟΣΙΩΝ ΕΡΓΩΝ

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University of Cyprus

KOΙΟΣ Research and Innovation Center of Excellence

Σύλλογος Συγκοινωνιολόγων Κύπρου

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Ευχαριστώ για την προσοχή σας!

ERTICO ITS EUROPE

George Christou · ertico.com · itscyprus.cy

Who writes the standards for connected and automated driving

CEN/TC 278 (ITS) runs through the middle: DATEX II, SENSORIS, C-ITS with ISO/TC 204. In Cyprus, follow it through the CYS mirror committee.

