

Making Future Mobility a Reality today: *ERTICO –ITS Europe builds on cooperation*



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Bringing together
8 mobility sectors
to make **mobility cleaner,
safer and more efficient.**



ERTICO'S ROLE IN MOBILITY

STAKEHOLDER ENGAGEMENT

We always involve all mobility stakeholders. This way we are able to find and implement the most innovative solutions. We do this on a global scale thanks to...



Cross-sectoral dialogue

Within the ERTICO Partnership we share knowledge and information through our workshops and events.

International Cooperation

We promote cooperation and business opportunities on the global stage, with a focus on harmonised standards across the world.



ITS Congress

Every year we organize an ITS Congress in Europe and co-organize an ITS World Congress, both the ultimate showcase for mobility services deployment.

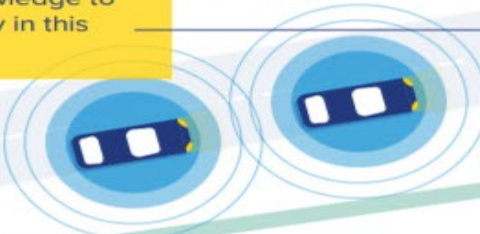


THOUGHT LEADERSHIP

Together with our partners, we are recognised experts in smart mobility and we use our knowledge to pave the way in this field.

Advocating for smart mobility

We are a technology-neutral supporter of mobility and work together with the European Institutions for innovation and deployment.



Envisioning tomorrow's journey

We develop visionary papers on the future of smart mobility. The expertise within our partnership, helps to develop European mobility roadmaps.



INNOVATION & DEPLOYMENT

ERTICO activities

- ERTICO focuses on
 - connectivity technologies for CAD (G5, 5G and hybrid)
 - Intelligent and hybrid infrastructure
 - New mobility concepts (eg MaaS, Automation, etc.)
 - Smart mobility for people and goods
 - New technologies and concepts eg IoT, AI, Blockchain, Big Data analytics etc.



ERTICO's key message

A new era of mobility is upon us – Significant changes are taking place in the field of mobility for people and goods

- We need to address complex technical, societal, organisational and legal/regulatory issues
- We need extensive case-studies for testing and piloting new concepts and technologies, so...
- *We need all stakeholders to work together*



Coordination of Automated Road Transport For Europe

Support faster deployment of connected and automated driving across Europe

ERTICO is driving coordination of ART activities in Europe

European Commission funded Coordination & Support Actions

VRA 2013 – 2016

CARTRE 2016 – 2018

ARCADE Oct 2018 – Sep 2021

- 23 partners from 11 States
- 30 associated partners
- 2000 subscribers



Connectivity and cooperation is key...

- For the faster, more efficient and more advanced implementation of smart mobility concepts like automation, MaaS, Truck platooning, electromobility etc.
- Technology neutrality is a key approach to allow fast implementation and for the market to grow
- Key communication technologies like G5, 5G etc. have both pros and cons and an open minded approach is needed in order to gain wide acceptance and achieve fast and efficient implementation
- A mix of regulations and market agreements is probably the way forward
- Wide support and cooperation from and between all stakeholders eg. EC, Member States, Industry, Operators, Infrastructure, Research centres, Users, is a must
- Interoperability and extensive testing (including cross border) is a must



ERTICO has a neutral position on connectivity...



- Deploys and tests ICT infrastructure for Connected & Automated Road Transport



- Deploys 5G New Radio and Core Networks with evolved road infrastructure for executing CCAM Trials at Cross-Border corridors



- Assessing hybrid connectivity technologies.
- Contributes to EU-wide interoperability and continuity of services
- Ensures compatibility with C-ITS services

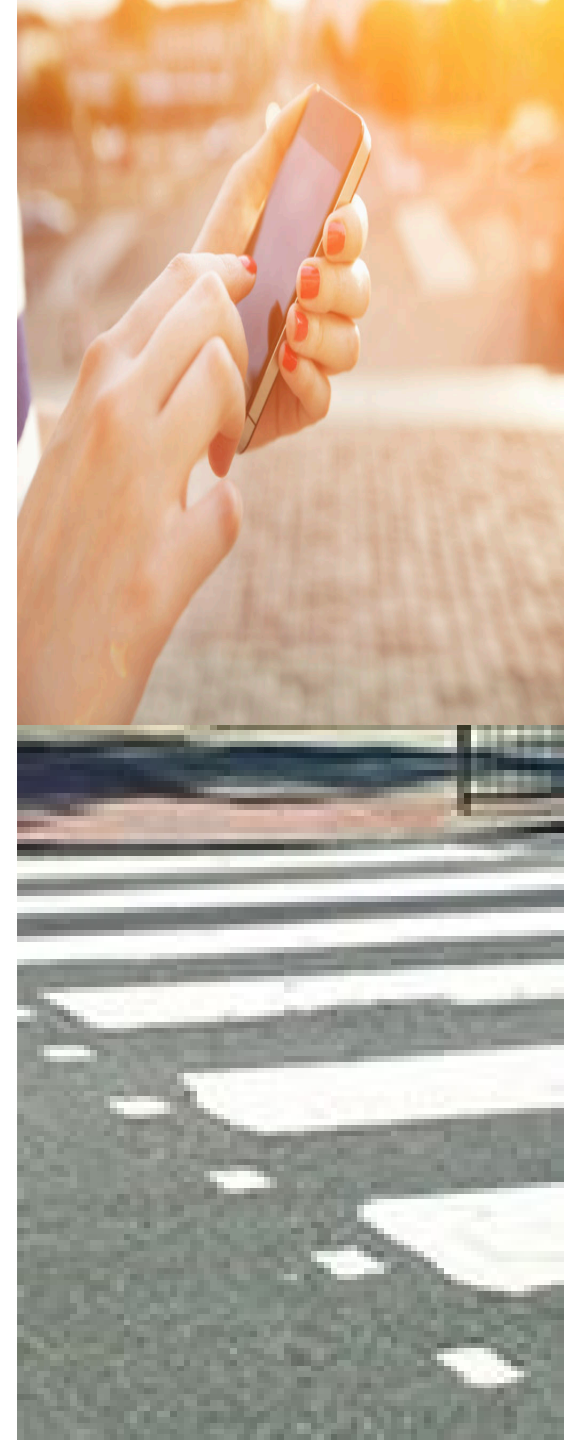
Intelligent and hybrid infrastructure is a key element for CCAM

- CCAM needs the infrastructure
- The combination of digital and physical infrastructure in an intelligent way is a key element for the implementation of CCAM
- Data is the new infrastructure! (Digital Infrastructure)
- Only through a smooth cooperation and integration of all key elements (eg. vehicles, infrastructure, users) smart mobility will become a reality



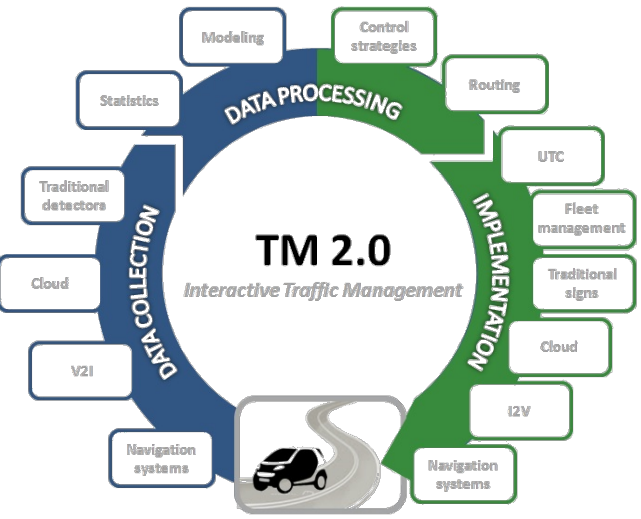
New mobility concepts and technologies

- CCAM combined with other concepts like Maas, electro-mobility, inter-modality will be the basis of the new smart mobility era.
- New technologies and concepts eg IoT, AI, Blockchain, Big Data analytics etc.



ERTICO capitalises on its Partnership's thought leadership

TM 2.0 – Data flow



- TM 2.0 and MaaS are setting a new scene in smart mobility, since they support a holistic view and use of the Mobility system including CCAM.

Ride sharing,
Car sharing
Bike sharing
Rental cars

Journey planner

Booking

Ticketing

Real-time information & support



Flexible mixed use of

- Public
- Private
- Shared fleets

- The roles of public and private organisations are merging.



We believe:

- ❖ The infrastructure is not just a 'host' for CCAM.
- ❖ **It is an equally important element** of CCAM and innovation in products and services in this field, affects also infrastructure.
- ❖ Cooperation lays the foundations of the new era of smart mobility - ERTICO and ASECAP are partners on this
- ❖ We Invite ASECAP to a structured dialogue and to a close cooperation to address together common challenges in the era of smart mobility



Shaping intelligent mobility together