

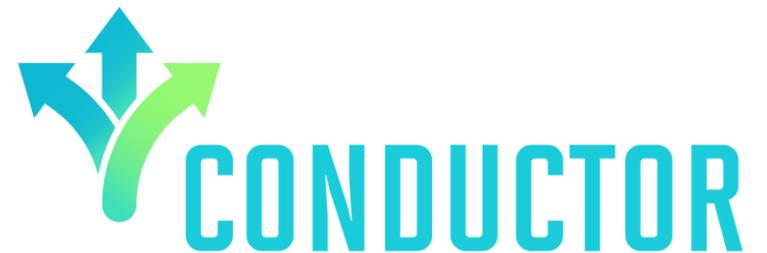
Supporting autonomous mobility

From Proposal to Deployment: Lessons learned

Gregor Papa / Jožef Stefan Institute



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From idea to deployment

Connected, Cooperative and Automated Mobility (CCAM) will only succeed if it works in real, mixed traffic, with legacy vehicles, human drivers, public transport, and logistics.

- Context & ambition
- What we did (pilots & methods)
- How we worked (preparation & execution)
- What we achieved (impact & results)
- What came next (follow-up project)

Project in Brief

Profile	Partners
Coordinator	Netcompany
Higher Educational Institutions	    
Industrial partners	      
End-Users	 

36 months

1st November 2022 – 31st October 2025

€ 4.6M EU funding

Innovation activities up to TRL 7

15 partners

From 7 different EU Member States

Objectives & Use cases

Integrate CCAM into traffic and fleet management.

Ensure intermodal interoperability in traffic systems.

Test simulation models in real traffic with different priorities.

Optimise mobility network load balancing.

Align traffic management governance with user needs.

Each pilot targets a specific research question under real operational constraints.

1

Integrated traffic management

Athens, Madrid, Almelo

2

Demand-responsive transport

Slovenia

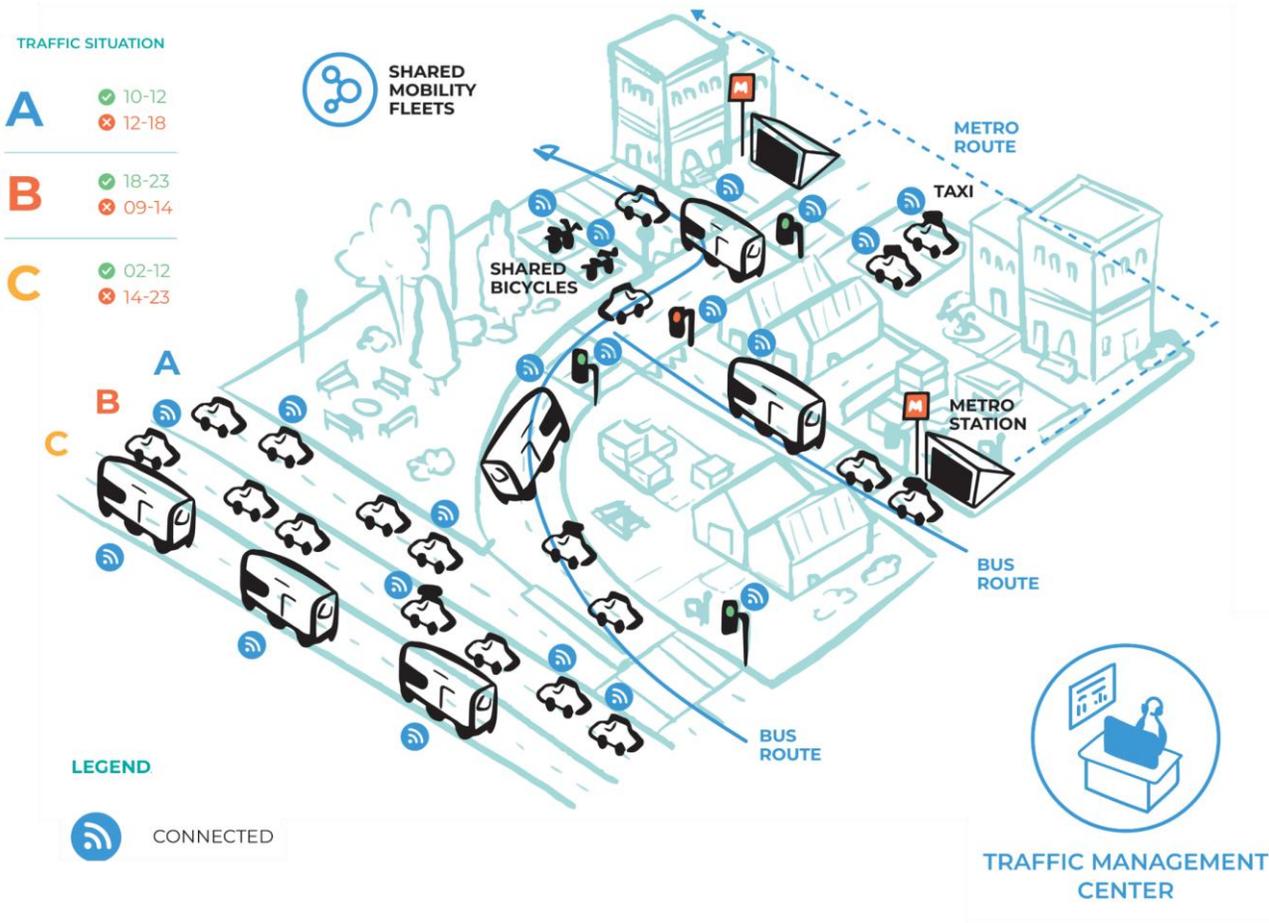
3

Urban logistics

Madrid

Pilot 1 - Integrated traffic management

Athens



FOCUS

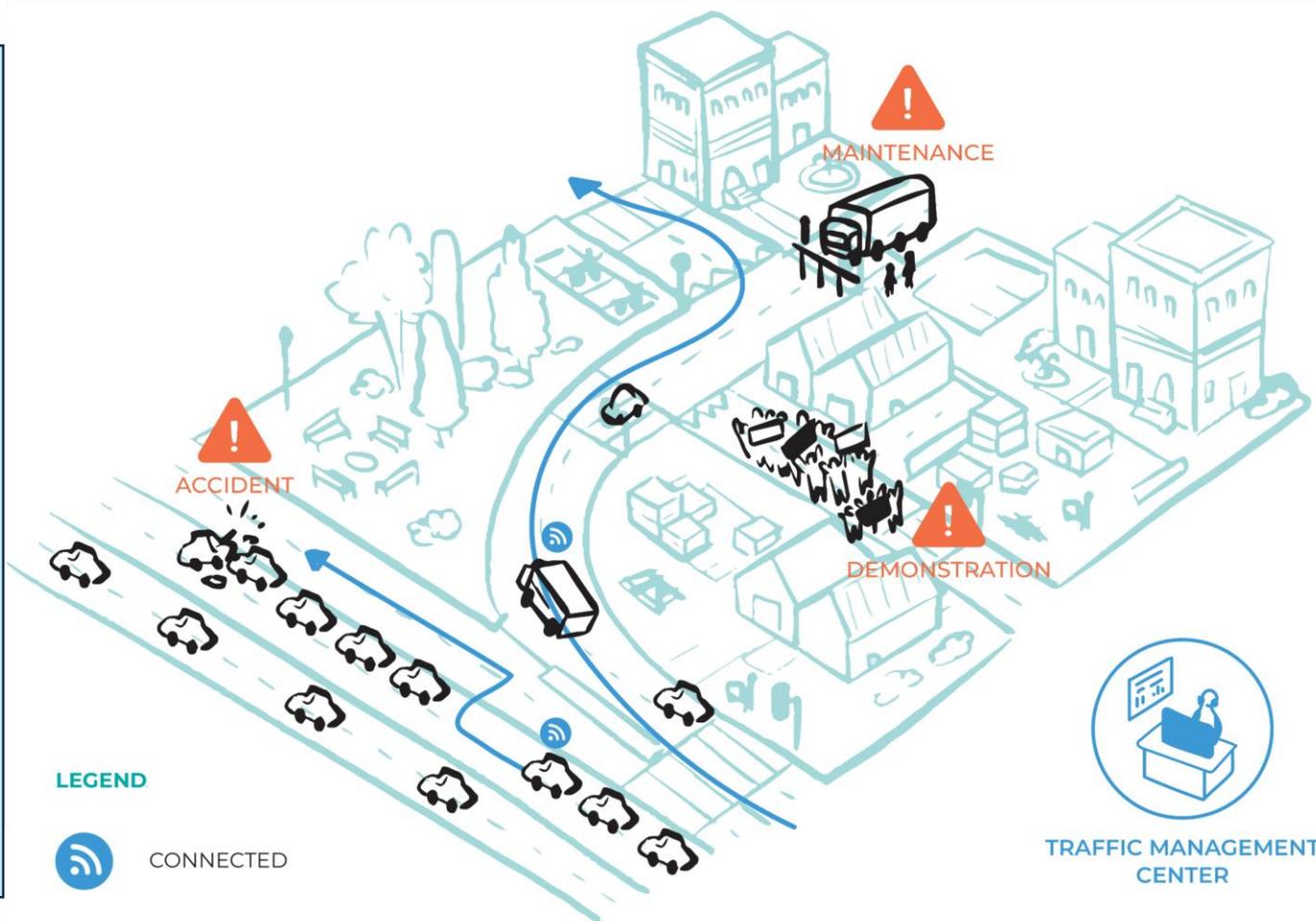
- AI-assisted signal control for multimodal traffic
- ETA prediction and incident management

IMPACT

- Reduced door-to-door travel time
- Improved reliability of public transport

Pilot 2 - Integrated traffic management

Madrid



FOCUS

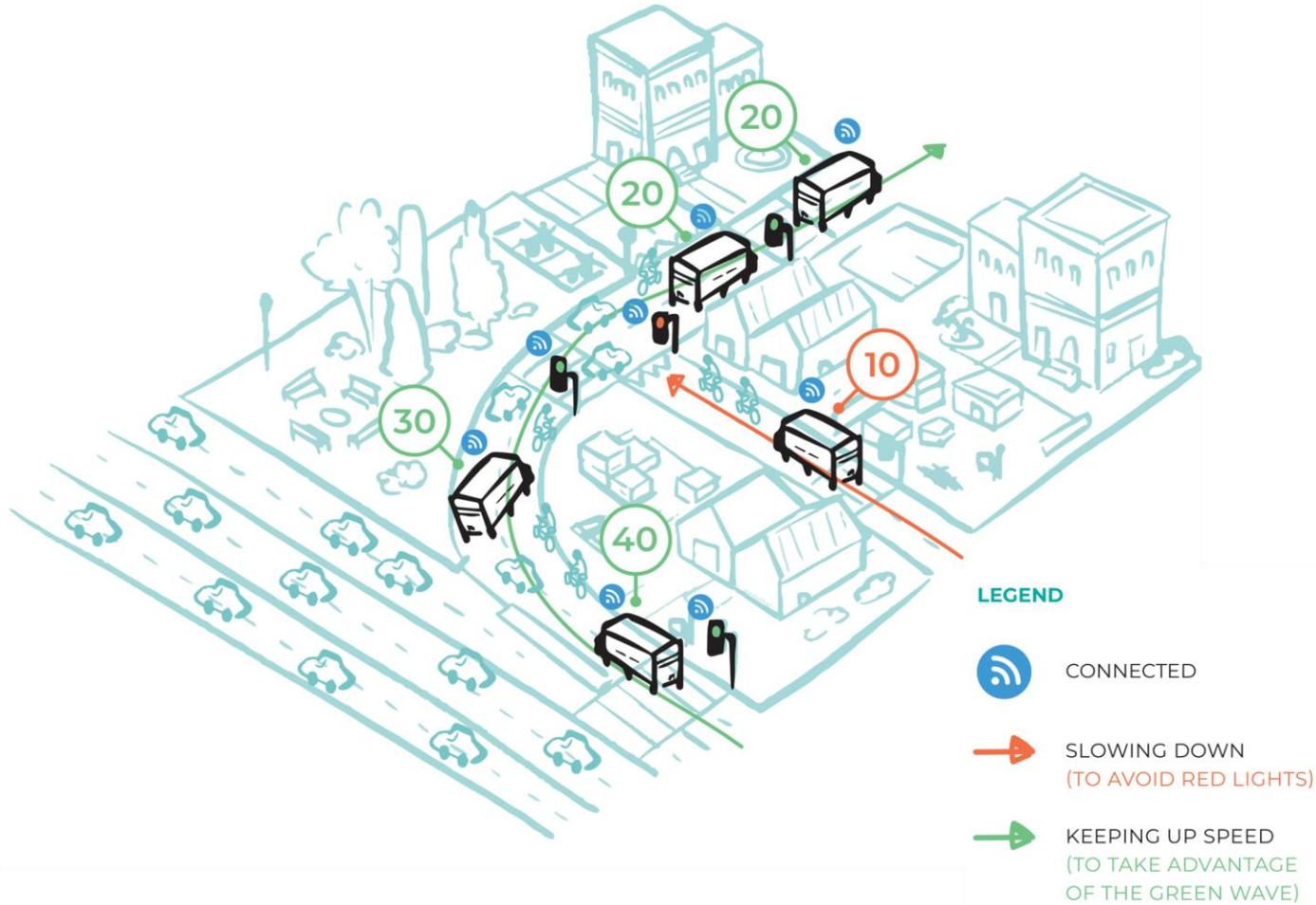
- Management of planned and unplanned events
- Integration of connected and autonomous vehicles (CAVs)

IMPACT

- Faster recovery after incidents
- Improved robustness of urban networks

Pilot 3 - Integrated traffic management

Almelo



FOCUS

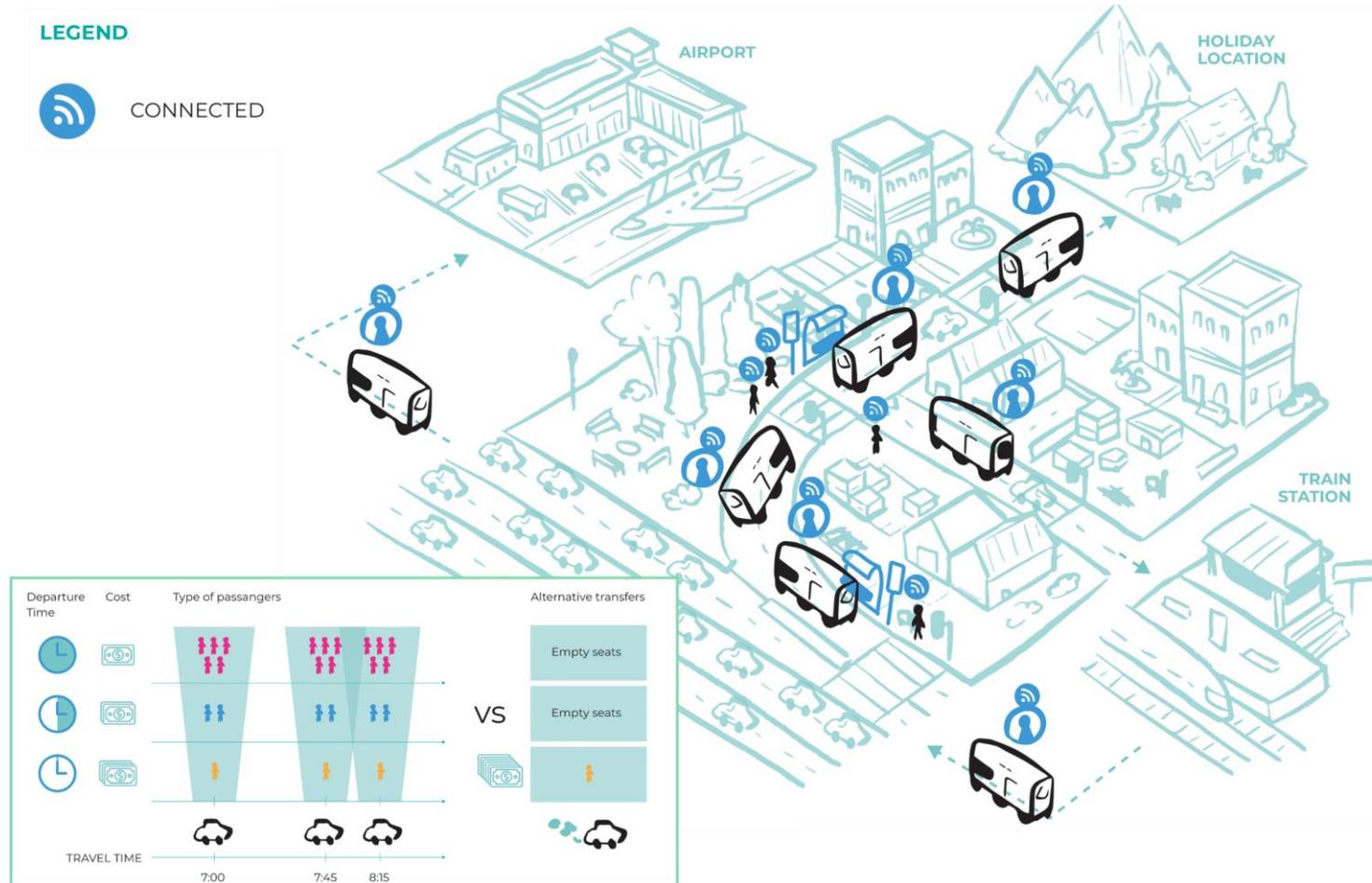
- Network-wide prioritisation of logistic vehicles

IMPACT

- Smoother freight flows
- Reduced emissions and delays

Pilot 4 - Demand-responsive transport

Slovenia



FOCUS

- Reservation-based demand-responsive shuttle services

IMPACT

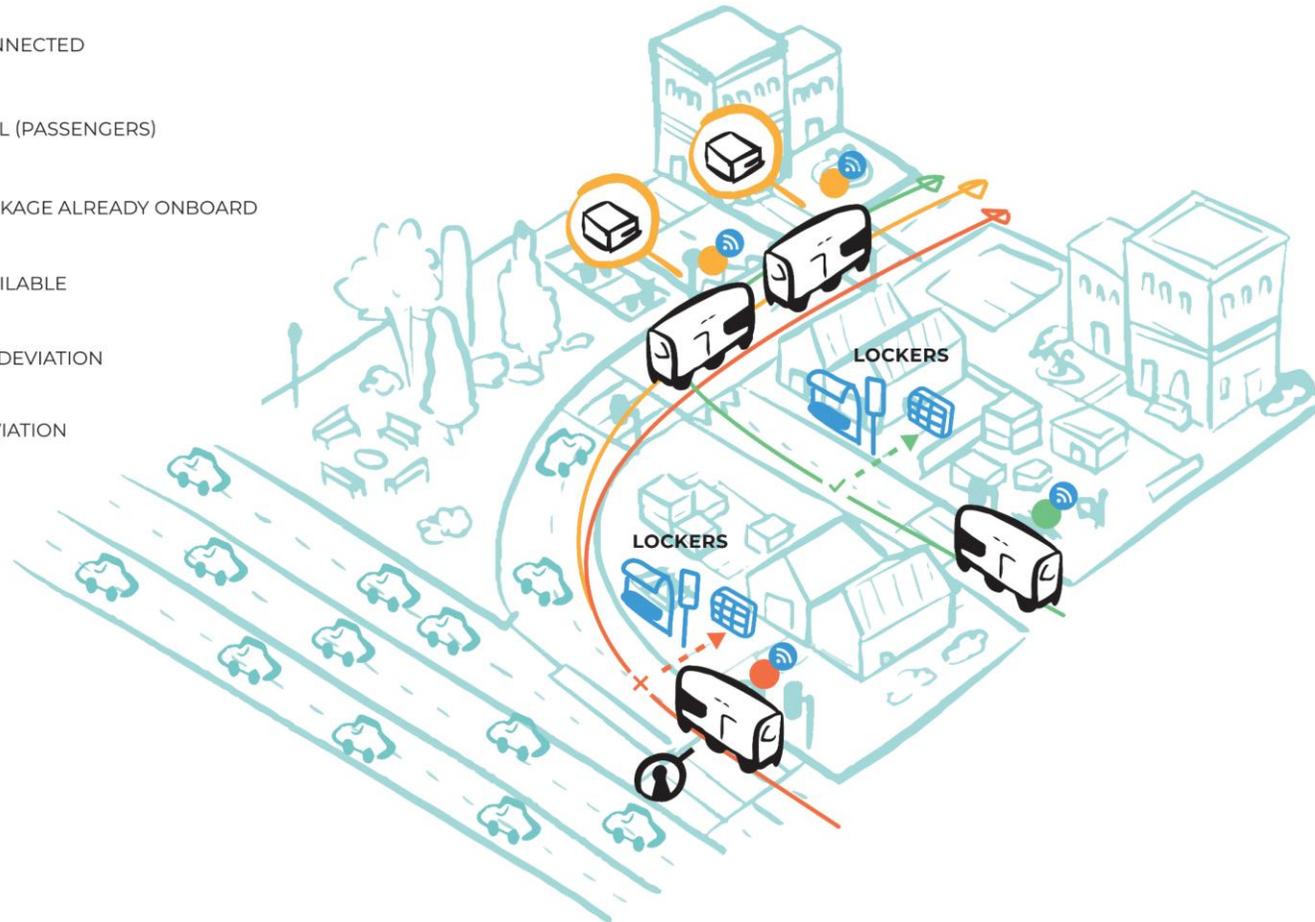
- More efficient fleet planning

Pilot 5 - Urban logistics

Madrid

LEGEND

-  CONNECTED
-  FULL (PASSENGERS)
-  PACKAGE ALREADY ONBOARD
-  AVAILABLE
-  NO DEVIATION
-  DEVIATION



FOCUS

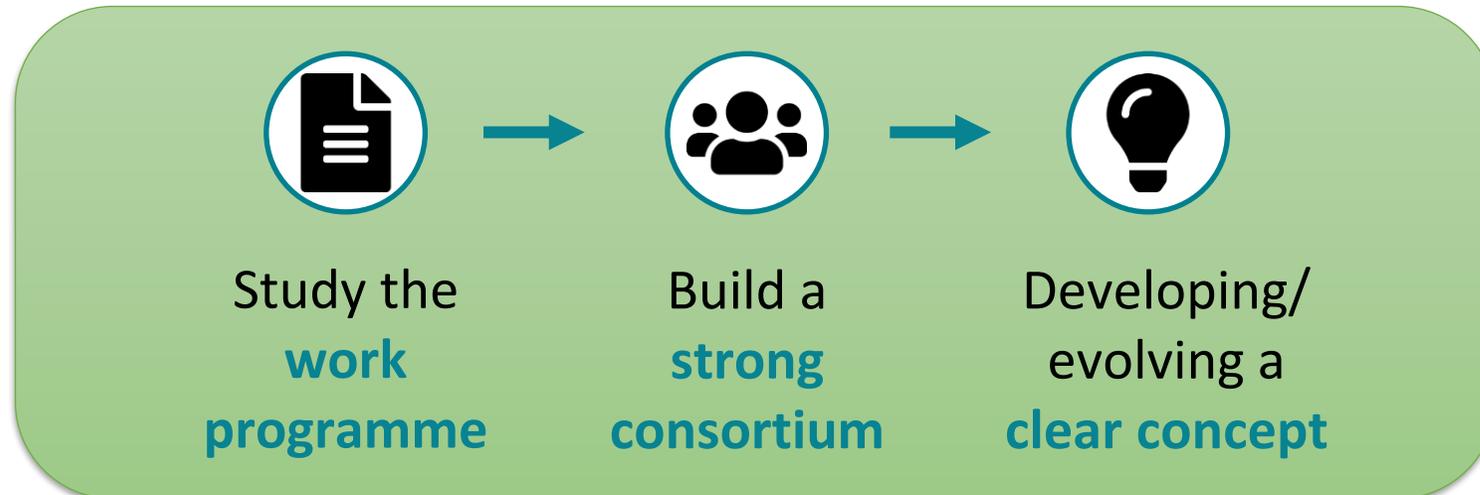
- Integration of last-mile logistic with passenger DRT

IMPACT

- Fleet reduction

How it started

- **2020: First submission**
 - 15 partners
 - Call on effective network and traffic management for connected and automated mobility in a mixed environment with conventional vehicles
 - H2020-MG-2-11-2020
- **2022: Restructured and improved proposal**
 - 15 partners (6 partners from the first submission)
 - Call with similar topic but different requirements
 - HORIZON-CL5-2022-D6-01-04 (CCAM Partnership)



Preparation: What worked well



✓ Early start

- 8 months before deadline – extensive work in last 4 months

✓ Clear division of roles

- Coordination/writing
- Technology partners focused on innovation, academics on methodology, cities on validation

✓ Regular consortium meetings

- Bi-weekly preparatory meetings

✓ Strong consortium

- Academic excellence + technology providers + real end-users = credible innovation pathway
- Each partner brought specific expertise aligned with project goals

Challenges



- **Technical integration complexity**
 - Proper understanding of integration effort at the proposal writing stage
- **Quantified impact targets**
 - To have a clear vision of the results and their outcomes
- **Budget negotiations**
 - Partners having different roles, foreseen efforts, cost levels
 - A need for a fair budget distribution
- **Data management plan**
 - Partners understanding of data sharing

Implementation: What made it work



- **Tuning the consortium**
 - A 2-day in-person Kick-off meeting
 - Social dinner to fertilise team bonding
 - Each WP leader presented detailed plans
 - Created shared online workspace for communication and data/result sharing
- **Project work**
 - **Monthly virtual consortium meeting**
 - **Biannual in-person consortium meetings**
 - **Workshops** on project-work tuning during the in-person meetings
 - Regular email updates from coordinator

Maximising impact: Communication



- **Early planning**
 - Develop impact strategy from day one
- **Target audiences**
 - Identify and engage key stakeholders throughout project lifecycle
- **Measurable indicators**
 - Define clear KPIs and track progress systematically

Scientific Impact

- Publications in high-impact journals
- Open access compliance
- Conference presentations

Economic Impact

- Commercial exploitation plans
- IP protection strategy
- Market uptake pathways

Societal Impact

- Policy recommendations
- Stakeholder engagement
- Public awareness activities

Results and Follow-up



- **Simulation and demonstration results**
 - Timely results and their assessment with local authorities and end-users
- **Final event**
 - Successful presentation of the results to the wider audience

Impact does not stop at project end.

- **Follow-up project proposal**

- Merging forces with some partners of another project
- Proposing the “follow-up” idea within the call
- **Successfully** receiving the funding of **AcceptRemote** project
 - *Acceptance of remote operations for future urban mobility*
 - Call HORIZON-CL5-2025-04-D6-01 - Advancing remote operations to enable the sustainable and smart mobility of people and goods based on operational and societal needs





CONDUCTOR

**Thank you for your
attention!**

