Holistic CCAM Solutions for Critical Scenarios (SAE Level 3–4) – Seeking an Experienced Horizon Europe Coordinator and an OEM / Tier-1 Industrial Partner

Summary

Profile type	Company's country	POD reference
Research & Development Request	**Slovakia**	**RDRSK20261106004**
Profile status	**Type of partnership**	**Targeted countries**
PUBLISHED	**Research and development cooperation agreement**	**• All countries**
Contact Person	**Term of validity**	**Last update**
Enrico FRANZIN	**6 Nov 2026** **6 Nov 2027**	**6 Nov 2026**

General Information

Short summary

A consortium with partners from over ten countries is preparing a Horizon Europe RIA under the CCAM Partnership (topic HORIZON-CL5-2027-06-D6-04, ~€5.5M, 36 months, TRL 5–6) on safe integration of automated mobility in critical, high-risk events. We seek (1) an experienced coordinator with a Cluster 5 / CCAM track record, proposal-writing skills and close links to transport authorities, and (2) an OEM or Tier-1 partner with SAE L3–L4 / ADAS experience.

Full description

Project overview: The consortium is preparing a Horizon Europe Research and Innovation Action (Cluster 5 – Climate, Energy and Mobility, CCAM Partnership) on the integration of Connected, Cooperative and Automated Mobility (CCAM) in critical scenarios – rare, high-risk and unplanned situations such as extreme weather, road incidents, cyberattacks, traffic disruptions and sudden loss of Operational Design Domain (ODD) coverage. The action takes a system-of-systems view: technology, infrastructure, vehicles, users, service providers, authorities and emergency services.

- Clustered library of critical scenarios, affected stakeholders and optimal CCAM countermeasures, building on HEADSTART, SUNRISE, EVENTS, ROADVIEW and SYNERGIES
- Detection of critical situations and edge cases; real-time holistic situation interpretation for all road users, operators and service providers
- “Local deconflicting CCAM architecture” (active, passive and remote-operation techniques) with AI-based decision support integrated into mobility platforms, traffic control and emergency services, aligned with EU Emergency Response Protocols
- Close cooperation with road authorities and emergency services: their role in enabling CCAM operations, harmonised interfaces, shared governance
- Testing of SAE Level 3–4 responses to critical events at proving-ground and real pilot sites; simulation-based risk quantification; application of EU-CEM; target TRL 5–6
- SSH-led research on user trust and acceptance

Indicative duration: 36 months, 8 work packages (management, use-case library, perception, deconflicting architecture, authority and emergency integration, pilot validation, societal impact and ethics, exploitation and dissemination).

Consortium already formed:

- Slovak SME – functional safety, SOTIF, cybersecurity and AI safety (initiator)
- Swiss independent expert consultant – transport and safety
- Slovak SME – logistics automation
- Slovenian municipality – urban and rural pilot sites, street-level sensor deployment
- Slovak municipality – pilot site
- Czech technical-university research institute, Czech university spin-off SME and Czech national mobility centre – CCAM systems and urban mobility
- Spanish non-profit research organisation – safety and logistics in CCAM
- Romanian / US industry – automated driving, ADAS and driver-monitoring technology
- Greek SME – digital innovation and mobility research
- Hungarian research institute – vehicle dynamics and control; proving-ground pilot site
- New Zealand university (Associated Country) – testing in harsh environments
- German research centre – AI for mobility; pilot corridor
- UK university – sensors and perception; technical work-package lead with ROADVIEW experience

Advantages and innovations

Established, complementary consortium covering the whole CCAM chain: functional safety, SOTIF, cybersecurity and AI safety (ISO-based implementation); AI camera-based ADAS and driver monitoring; logistics automation; sensors and perception with technical work-package leadership experience from ROADVIEW; municipalities and a proving ground ready for SAE L3–L4 trials; harsh-environment testing outside the EU. Holistic approach linking technology with users, road authorities and emergency services, with direct contribution to EU-CEM and the CCAM Technology Observatory.

Technical specification or expertise sought

Coordinator: university, R&D institution or SME / big company with Horizon Europe coordination record. Industrial partner: big company or SME 50–249 (OEM / Tier-1).

Stage of development

Under development

Sustainable Development goals

- **Goal 17: Partnerships to achieve the Goal**
- **Goal 3: Good Health and Well-being**
- **Goal 11: Sustainable Cities and Communities**
- **Goal 9: Industry, Innovation and Infrastructure**

IPR Status

No IPR applied

IPR Notes

Partner Sought

Expected role of the partner

1) Project coordinator – EU / Associated Country university, research organisation or experienced management SME with a proven record of coordinating Horizon Europe Cluster 5 / CCAM RIAs. Required: experience in writing and submitting project proposals, EU-CEM and CCAM Partnership reporting, established cooperation with national and regional road and transport authorities, and ability to organise testing in critical situations on a proving ground for SAE Level 3–4.

2) Industrial partner – OEM or Tier-1 supplier with software-defined vehicle (SDV), ADAS or automated-driving deployment experience (SAE L3–L4), able to provide vehicles, systems or data for pilots and to support exploitation.

Type of partnership

Research and development cooperation agreement

Type and size of the partner

- **R&D Institution**
- **University**
- **Big company**
- **SME 50 - 249**

Call Details

Framework program

Horizon Europe

Call title and identifier

Horizon Europe, Cluster 5 – Mobility, CCAM Partnership · Call HORIZON-CL5-2027-06
Topic: HORIZON-CL5-2027-06-D6-04 – Holistic solutions for CCAM integration in critical scenarios

Submission and evaluation scheme

Type: RIA, single stage

Anticipated project budget

5.5M

Coordinator required

Yes

Deadline for EoI

7 Oct 2027

Deadline of the call

7 Oct 2027

Project duration in weeks

Web link to the call

Project title and acronym

Dissemination

Technology keywords

Market keywords

- **02007016 - Artificial intelligence related software**
- **02007021 - Other Artificial intelligence related**
- **08002007 - Other industrial automation**
- **08006001 - Process control and logistics**

Targeted countries

- **All countries**

Sector groups involved