

Korea-EU Horizon Europe Researchers Networking Forum on Energy & Advanced Mobility

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Innovation Manager

emotion3D, TUW

Human perception



1. Short Introduction of your Organization

Innovating in In-cabin Monitoring since 2021



emotion3D is a **spin-off** of the Vienna Technical University, with a research-driven focus.

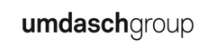
We have **around 50 dedicated engineers** from diverse domains working full time on perception in mobility.

Work Package and Coordinator in **over 20** HE, H2020, XECS Eureka Cluster and national R&D projects.

For a decade working with great success with Korea in innovation projects, and fully enjoying it highest respect: with prof Yunsik Lee from UNIST and his team, we are collaborating to address intoxicated driving.

In 2025, ownership changed: the majority shareholder is now **Indie Inc**, a global semiconductors company.

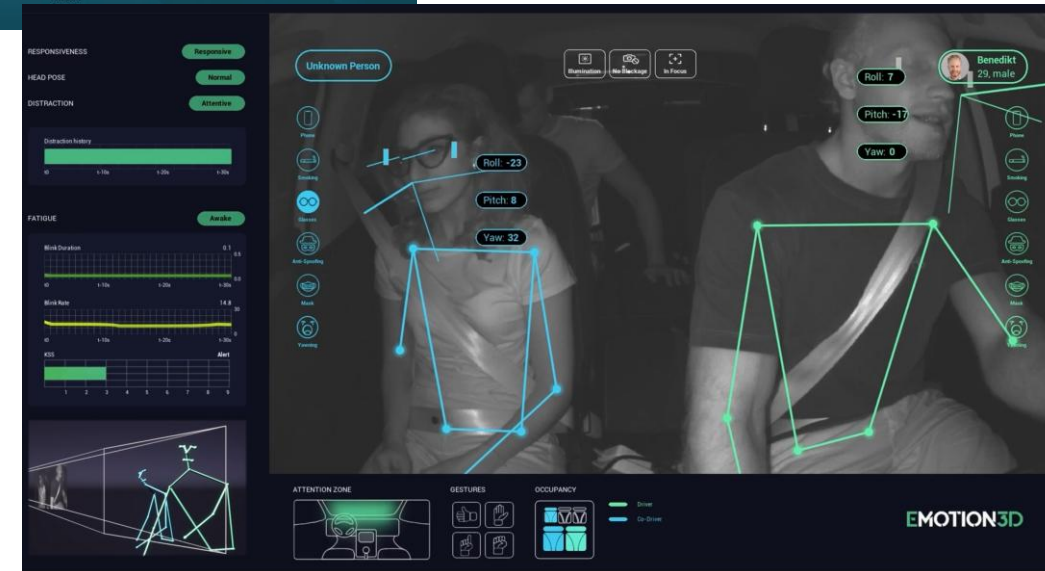
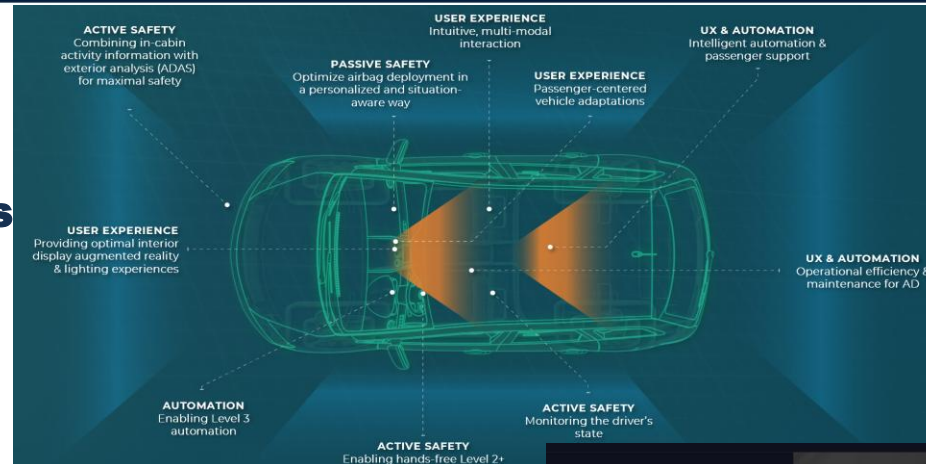
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2. Expertise

- **Facial expressions recognition**
- **Getures and movements analysis**
- **Body key points and posture comprehension**
- **Health vital signs detection**
- **Emotions understanding**
- **Drivers, passengers, objects, animals in the vehicular cabin**
- **Cars, buses, trucks, shuttles – already tested and commercially operational**
- **Open to other use cases incl. other vehicular settings such as helicopters, planes, trains, ships, lifting machines, cranes, etc.**





3. Your Project Idea

Shortlist of calls, we are ready to be a task, WP leader and coordinator:

- Next-generation environment perception for real world CCAM operations: Error-free and secure technologies to improve energy-efficiency, cost-effectiveness, and circularity (CCAM Partnership): <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL5-2026-01-D6-03> .
- Predicting and avoiding road crashes based on Artificial Intelligence (AI) and big data (CCAM Partnership): <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL5-2026-01-D6-14> .
- Approaches, verification and training for Edge-AI building blocks for CCAM Systems (CCAM Partnership): <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL5-2026-01-D6-05> .
- Federated CCAM data exchange platform (CCAM Partnership): <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL5-2026-01-D6-06> .



5. Contact Details

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