

COMET CENTRE (K2)

VIRTUAL VEHICLE RESEARCH GMBH

RESEARCH PROGRAMME: K2 DIGITAL MOBILITY CONTEXT-EMBEDDED VEHICLE TECHNOLOGIES

Main location: Graz (Styria)
Other locations: none
Thematic area: Mobility



Thematic focuses

The efficient and safe development of complex systems for integrated mobility, which are increasingly software-defined and should be suitably understandable and operable. The focus is on vehicles and beyond that on applications in other areas such as robotics or logistics. These focal points address:

- Disruptive digitalization in vehicle development
- Realization of vision Zero Emissions - Zero Fatalities
- Automation and electrification of vehicles
- Increasing acceptance and trust in new functions and solutions

Planned realisation and outcomes

The most important results are: a) technologies for future vehicles - including zero-emission vehicles that are highly energy-efficient, connected and intelligently aware of their environment and capable of automated driving, b) new processes, methods and tools for vehicle development such as Continuous Integration/Continuous Development, virtual certification, data-driven engineering and function-oriented development as well as c) development and construction of demonstrators and prototypes up to Minimum Viable Products (MVPs).

History of establishment

Founded in 2002 as a Kplus Center, COMET K2 Center since 2008. From 2016, implementation of the K2 Digital Mobility research programme.

COMET FACTSHEET

Selected company partners (max. 10):

1. AVL List GmbH
2. Magna Steyr Fahrzeugtechnik AG & Co AG
3. Siemens AG Österreich
4. Infineon Technologies Austria AG
5. Voestalpine
6. Rosenbauer International AG
7. ZKW Group GmbH
8. Plasser & Theurer, Export von Bahnbaumaschinen GmbH
9. ÖBB Infrastruktur AG
10. PJ Messtechnik GmbH

Selected scientific partners (max. 5):

1. TU Graz - Graz University of Technology
2. JOANNEUM RESEARCH
3. University of Graz
4. AC2T research GmbH
5. University of Klagenfurt

Selected international¹ partners (max. 5):

1. BMW AG
2. Volkswagen Konzern (VW, Audi, Porsche)
3. Knorr-Bremse Systeme für Schienenfahrzeuge GmbH
4. Stanford University
5. University Sheffield

Duration: 01.2018 - 12.2026 (4-5 years)

Staff employed at the Centre: 300 FTE, thereof 260 scientists

Management: Dr. rer.nat. Jost Bernasch, CEO
Univ.-Prof. Dr. techn. Hermann Steffan, Scientific Director
Dipl.-Ing. Gerhard Zrim, ppa., CFO
Dr. techn. Aldo Ofenheimer, ppa., Leader OBD

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www.ffg.at/comet

¹ Partners with headquarters outside Austria