**COMET-Centre (K2)**

**K2 Digital Mobility**

**K2 Digital Mobility Context** - Embedded Vehicle Technologies

<table>
<thead>
<tr>
<th>Main location</th>
<th>Graz, Styria</th>
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<tbody>
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<td>Other locations</td>
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**Research programme**
The goal is to make future mobility safer, more efficient, affordable and generally more acceptable for the end-user. K2 Digital Mobility’s overall objectives are to enhance:
- Development efficiency by fostering disruptive digitalization
- Cooperative integrated safety to move towards Vision Zero
- Performance of automated and electrified vehicles
- Acceptability by integrating human-centered solutions

**Planned realisation and outcomes**
The key results are grouped in three different classes. 1. Technology-driven results (e.g. high-fidelity modelling & simulation for virtual system approval, multi-sensor and high performance data management). 2. Enabling disruptive digitalisation (e.g. seamless integration of virtual/real subsystems for modular and distributed testing environments as essential enabler of the envisioned digital design & validation framework). 3. Value-creating results (e.g. increased acceptability by human-in-the-loop consideration and leading-edge technology demonstration platforms and open experimentation for excellence in technology transfer and exploitation).

**History of establishment**
Founded 2002 as Kplus Centre, since 2008 COMET K2 Centre

**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. Volkswagen Konzern (VW, Audi, Porsche)
7. Daimler AG
8. NVIDIA Corporation
9. MAN Truck & Bus AG
10. Renault

**Selected scientific partners** (max. 5)
1. Graz University of Technology
2. Joanneum Research Forschungsgesellschaft
3. Vienna University of Technology
4. Linz Center of Mechatronics
5. University of Salzburg

**Selected international partners** *(max. 5)*
1. Technical University Berlin
2. Technical University Darmstadt
3. University of Oslo
4. Max Planck Institute for Biological Cybernetics
5. Swedish National Road and Transport Research Institute

**Duration of the COMET-Centre**
01 2018 – 12 2025 (8 years)

**Staff employed at the Centre**
170 FTE (thereof 135 scientists)

**Total costs**
1st Funding period: EUR 48 Mio (4 years)

**Management of the Centre**
Dr. Jost Bernasch, Kompetenzzentrum – Das virtuelle Fahrzeug, Forschungsgesellschaft mbH, CEO

**Contact:**
Inffeldgasse 21a, 8020 Graz
+43 316 873 9000
office@v2c2.at, www.v2c2.at

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1 Partners with headquarters outside Austria