**COMET: K-Project**

**SeCoS**

**Secure Contactless Sphere – Smart RFID-Technologies for a Connected World**

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<th>Main location</th>
<th>Graz, Styria</th>
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<td>Other locations</td>
<td>Web of Things Application Platform</td>
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<td>Integrated Secure Technologies</td>
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<td>Future Contactless Transmission Technologies</td>
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<td>Future Application Demonstrators</td>
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**Planned realisation and outcomes**

Leading edge web technologies will be utilized for the development of a truly novel Web of Things Application Platform. Integrated Secure Technologies will respond to much higher individual, social and legal demands in terms of security and privacy. Future Contactless Transmission Technologies will research the reduction of component sizes, yet untouched carrier frequencies, the increase of data transfer rates and the enhancement of object tracking accuracy. The development of five Future Application Demonstrators will leverage the research results of the three research areas mentioned above.

**History of establishment**

Approximately 50% of all RFID chips used worldwide have been developed in Styria. Styrian companies are leading the field in chip innovation with well-known applications such as access control, electronic ticketing and electronic payments. This makes Styria the only place in Austria providing and combining all the required skills and expertise. Under the lead of JOANNEUM RESEARCH SeCoS brings together three internationally leading scientific groups and five globally acting industrial partners.

**Selected company partners** (max. 10)

1. austriamicrosystems AG
2. ENSO DETEGO GmbH
3. frequent froschelectronics GmbH
4. INFINEON TECHNOLOGIES AUSTRIA AG
5. NXP Semiconductors Austria GmbH

**Selected scientific partners** (max. 5)

1. JOANNEUM RESEARCH Forschungsgesellschaft mbH
2. DIGITAL – Institute for Information and Communication Technologies
3. Institute for Applied Information Processing and Communications, Graz University of Technology
4. Institute of Microwave and Photonic Engineering, Graz University of Technology

**Selected international partners** (max. 5)

- Partners with headquarters outside Austria

**Planned Start of the K-Project**

1.1.2013

**Planned number of personnel**

12.8 (FTE)

**Total costs**

€ 4.500.000,-

**Leader of consortium:**

Werner Haas, JOANNEUM RESEARCH Forschungsgesellschaft mbH, Director of DIGITAL - Institute for Information and Communication Technologies

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