

COMET Centre (K1)

ASSIC	
ASSIC Austrian Smart Systems Integration Research Center	
Main location	Villach, Carinthia
Other locations	(none)
Research programme	Smart Systems Integration, Microsystem Technologies, Heterogeneous Integration, Packaging, Smart Systems Solutions
Planned realisation and outcomes	
<p>Micro- and nano-electronic components and systems are essential to modern digital products and services. Mastering the technologies of smart systems integration is thus becoming a key issue for the future of the Austrian and European economy. ASSIC targets a holistic R&D approach from single components to complete system solutions. Concrete outcomes comprise the</p> <ul style="list-style-type: none"> ▪ development of components, micro-modules and integrated smart systems demonstrating increased functionality and advanced performance ▪ development and optimisation of related process technologies for microsystem device and packaging manufacturing ▪ development and refinement of tools and methods for design and integration of smart systems 	
History of establishment	<p>1997: foundation of the non-university research centre CTR Carinthian Tech Research</p> <p>1998: Austria's first Kplus Competence Centre</p> <p>2007: COMET K1 Competence Centre ‚Advanced Sensor Technologies‘</p> <p>2015: COMET K1 Competence Centre ‚ASSIC‘</p> <p>2017: 62 CTR employees, 18 PhD's, 7.95 Mio. Euro turnover</p>
Selected company partners (max. 10)	<p>Selected scientific partners (max. 5)</p> <ol style="list-style-type: none"> 1. Alpen-Adria-Universität Klagenfurt (SST) 2. Graz University of Technology (IES) 3. Johannes Kepler University Linz (IME, ZONA) 4. University of Freiburg (IMTEK, INATECH) 5. Vienna University of Technology (ISAS) <p>Selected international partners¹ (max. 5)</p> <ol style="list-style-type: none"> 1. OSRAM Opto Semiconductors GmbH 2. RF360 Europe GmbH - A Qualcomm - TDK Joint Venture 3. TOMRA Sorting GmbH 4. UNISENSOR AG 5. ZF Friedrichshafen AG
<ol style="list-style-type: none"> 1. AT&S Austria Technologie & Systemtechnik AG 2. AVL LIST GmbH 3. BHM-Tech Produktionsgesellschaft mbH 4. EPCOS OHG 5. High Tech Coatings GmbH 6. Infineon Technologies Austria AG 7. Liebherr-Hausgeräte Lienz GmbH 8. Ortner Reinraumtechnik GmbH 9. Philips Austria GmbH 10. VARTA Micro Innovation GmbH 	
Duration of the COMET Centre	January 2015 – December 2022 (8 years)
Staff employed at the Centre	63,4 FTE (thereof 56 scientists)
Total costs	<p>1st Funding period: EUR 18,4 Mio (4 years)</p> <p>2nd Funding period: EUR 20,4 Mio (4 years)</p>
Management of the Centre	Dr Werner Scherf, CTR Carinthian Tech Research AG, CEO
Contact:	<p>Europastraße 12; 9524 Villach, Austria</p> <p>+43 4242 56300 - 0</p> <p>info@ctr.at, www.ctr.at</p>

¹ Partners with headquarters outside Austria