

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>2018: 65 CTR employees, 17 PhDs, 7.22 Mio. Euro turnover</p> <p>July 2019: merger with Silicon Austria Labs GmbH, a non-university research centre</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. Johannes Kepler University Linz (IME) 3. University of Vienna (PFM) 4. Vienna University of Technology (ISAS) 5. Institut supérieur de mécanique de Paris (SUPMECA) <p>Selected international partners¹ (max. 5)</p> <ol style="list-style-type: none"> 1. RF360 Europe GmbH - A Qualcomm-TDK Joint Venture 2. Evatec Europe GmbH 3. TOMRA Sorting GmbH 4. Robert Bosch GmbH 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. TDK Electronics GmbH & Co OG 5. Miba eMobility GmbH 6. Infineon Technologies Austria AG 7. Liebherr-Hausgeräte Lienz GmbH 8. Ortner Reinraumtechnik GmbH 9. Philips Austria GmbH 10. E+E Elektronik GmbH 	
Duration of the COMET Centre	January 2015 – December 2022 (8 years)
Staff employed at the Centre	131 Heads (thereof 103 scientists)
Total costs	1 st Funding period: EUR 18,4 Mio (4 years); 2 nd FP: EUR 20,4 Mio (4 years)
Management of the Centre	Dr. Christina Hirschl, Silicon Austria Labs GmbH
Contact:	Europastraße 12; 9524 Villach, Austria +43 4242 56300 0; contact@silicon-austria.at www.silicon-austria-labs.com

¹ Partners with headquarters outside Austria