

## COMET FACTSHEET

# COMET CENTRE (K1)

## SILICON AUSTRIA LABS GMBH

### RESEARCH PROGRAMME: ASSIC – AUSTRIAN SMART SYSTEMS INTEGRATION RESEARCH CENTER

**Main location:** Villach (Carinthia)

**Other locations:** none

**Thematic area:** Materials & production



#### Thematic focuses

- Smart Systems Integration
- Microsystem Technologies
- Heterogeneous Integration
- Packaging
- Smart Systems Solutions

#### Planned realisation and outcomes

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

- 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

1997: foundation of the non-university research centre CTR Carinthian Tech Research

1998: Austria's first Kplus Competence Centre

2007: COMET K1 Competence Centre ‚Advanced Sensor Technologies‘

2015: COMET K1 Competence Centre ‚ASSIC‘

2017: 62 CTR employees, 18 PhD's, 7.95 Mio. Euro turnover

2018: Official foundation of Silicon Austria Labs GmbH

2019: Start of 2nd funding period of ASSIC

2019: Merger of Silicon Austria Labs & Carinthian Tech Research. ASSIC now operated by SAL.

2020: Constitution of Supervisory Board

2020: SAL leads H2020 project as consortium leader for the first time

2021: SAL exceeds number of 200 employees

## COMET FACTSHEET

### Selected company partners (max. 10):

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

### Selected scientific partners (max. 5):

1. University of 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)

### Selected international<sup>1</sup> partners (max. 5):

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

**Duration:** 01.2015 - 12.2022 (8 years)

**Staff employed at the Centre:** 228.12 FTE, thereof 177.04 scientists

**Management:** Mag. Dr. Christina Hirschl, Head of Research  
Division Sensor Systems and Management of ASSIC

**Contact:** Silicon Austria Labs GmbH  
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[www.ffg.at/comet](http://www.ffg.at/comet)

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<sup>1</sup> Partners with headquarters outside Austria