



SAL

SILICON AUSTRIA LABS

Basic Information for the press

The Austrian Research Center for Electronics and Software Based Systems

Silicon Austria Labs (SAL) is a top European research center for Electronics and Software Based Systems. In the network of science and industry, we conduct research at the highest global research level and thus create the basis for novel products and processes.

Shareholder

- 50,1 % Republic of Austria
- 24,95 % Fachverband für Elektro- und Elektronikindustrie (FEEI)
- 10 % Steirische Wirtschaftsförderungsgesellschaft mbH SFG
- 10 % Province of Carinthia
- 4,95 % Upper Austrian Research GmbH (UAR)

Financing & Company form

- 140 Mio. Euro from the public sector until 2023
- 140 Mio. Euro investment from industry
- Public-Private-Partnership
- Gesellschaft mit beschränkter Haftung (GmbH)

 **Bundesministerium**
Klimaschutz, Umwelt,
Energie, Mobilität,
Innovation und Technologie



LAND  KÄRNTEN



UNFOLD THE FUTURE

With Electronics and Software Based Systems (ESBS)

Electronics and Software Based Systems (ESBS) are components, assemblies and devices with micro- and nanoelectronics and embedded software. They are the technological backbone of digitization.

With the research areas **Sensor Systems, Microsystems, Intelligent Wireless Systems, Power Electronics** and **Embedded Systems**, SAL is offering “key enabling technologies” for precisely these Electronics and Software Based Systems and is laying the basis for smart products and processes that create the foundation for things such as Industry 4.0, the Internet of Things (IOT), autonomous driving, cyber-physical systems (CPS), AI, smart cities, smart energy and smart health.

Research is conducted at both model and hardware level (components, assemblies and devices with micro- and nanoelectronics) as well as at the associated embedded software level, combined with the holistic knowledge of the comprehensive system integration.

The sensors, as the sensory organs of the technology, record, measure and analyze information. The power electronics ensure energy- and power-efficient implementation. High-frequency research is used to develop future-oriented communication and radar technologies. The comprehensive system integration then ensures a functional overall system at all levels, and embedded systems finally supplement intelligence with embedded software and artificial intelligence. Thus, SAL's research focus covers the entire ESBS value chain and develops technologies in the fields of energy, lifestyle, health and mobility.

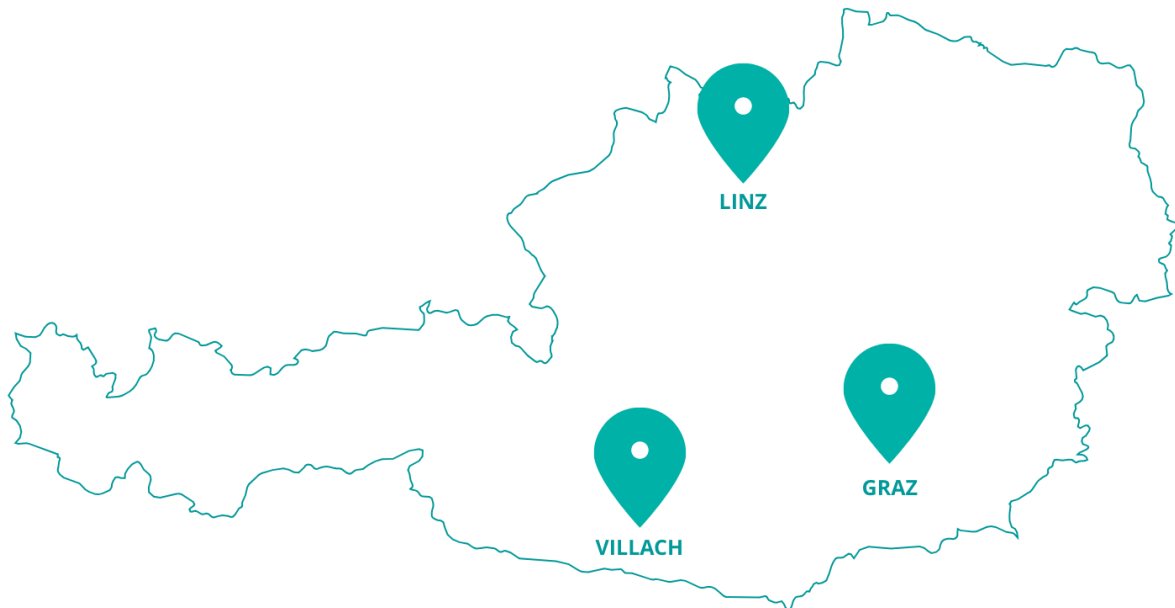
Unbureaucratic co-financing and quick launch of projects: the SAL cooperation model

SAL conducts research on relevant key topics with potential for future-oriented development, together with partners from industry and research, and through cooperative and contract research. Our cooperative research models offer our partners from industry access to infrastructure and know-how along the entire ESBS value chain. 50 % of the project volume is financed by SAL; the rest is brought in partly in cash, partly through in-kind services by the industrial partners. For research, many highly equipped laboratories (e.g., a metrology lab, an environmental lab and an optics lab) as well as an ISO class 5 clean room for processing of chips and wafers and application of the newest packaging technologies are available. The clean room is equipped with a modern 8-inch front-end line for the production of MEMS (micro-electromechanical systems).

By cooperating with partners from industry, universities and through focusing of the different competencies, SAL is able to increase Austria's innovative strength on key future markets.

Sites

In the research triangle of Graz, Linz and Villach, SAL is creating a European research hub for the electronics industry that will increase Austria's international visibility. The SAL locations are strategically located with a view to the future and embedded within established electronics and software based locations.



Site Linz

The research center is located on the campus of the Johannes Kepler University Linz (JKU). Among other things, research on 6G is conducted here.

**Science Park
Altenberger Straße 66c
4040 Linz**

Headquarters Graz

The headquarters of Silicon Austria Labs is located on campus Inffeldgasse of the University of Technology in Graz. The SAL Building has various laboratories and space for over 200 employees in the future.

**Campus TU Graz
Sandgasse 34
8010 Graz**

Site Villach

At the High Tech Campus Villach, SAL can connect with technology companies, training institutions and start-ups at one location. The existing infrastructure such as research clean rooms and test labs will be expanded in the future.

**High Tech Campus Villach
Europastraße 12
9524 Villach**

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