

A European ecosystem for innovation

Sound industrial background with major companies and promising SMEs¹

> 113,000 jobs in industry

World-class researchers

> More than 18,000 jobs in R&D

Top universities²

> 427,000 students in 30 universities and engineering colleges

- **Minalogic:** Grenoble-Alpes University
- **SiSax:** TU Dresden
- **DSP valley:** KU Leuven
- **HTNL:** Technical University Eindhoven
- **ME2C:** Vienna University of Technology

Entrepreneurial environment

> More than 600 start-ups have been created over the last 5 years

PLUS...

Top universities

Grenoble-Alpes University (UJF, UPMF, Stendhal, Grenoble Institute of Technology), Grenoble Business School
 Technical Universities: TU Bergakademie Freiberg, TU Chemnitz; Universities of Applied Sciences: HTW Dresden, HTWK Leipzig, VUB University

Brussels, RUG University Gent, University Hasselt, GroepT
 University of Twente, Delft University of technology
 Graz University of Technology, Johannes Kepler University Linz, Carinthia University of Applied Sciences

Research centers

INRIA, Max Planck, Helmholtz and Leibniz Association, iMinds, FMTC, HOLST, DIMES, MESA+, Philips Innovation Services, Joanneum Research, Competence Centers (K-Zentren) such as the CTR – Carinthia Tech Research

Corporations

Agilent, ARM, ASMi, AT&S, AVL List, BD, Canon-Océ, Dialog Semi, E2V, EPCOS, Flextronics, HP, Infineon Austria, Mathworks, Newtec, Orange, Philips, , Rolls Royce Civil Nuclear, Schneider Electric, Siemens, Thales, Trixell, X-Fab...

More than 80 ground-breaking research centers¹

- **Minalogic:** CEA-LETI
- **SiSax:** Fraunhofer Institutes
- **DSP Valley:** IMEC
- **HTNL:** TNO
- **ME2C:** AIT- Austrian Institute of Technology

Silicon Europe a cluster for innovation

> 840 members in industry, research and local governments

Major multinational corporations

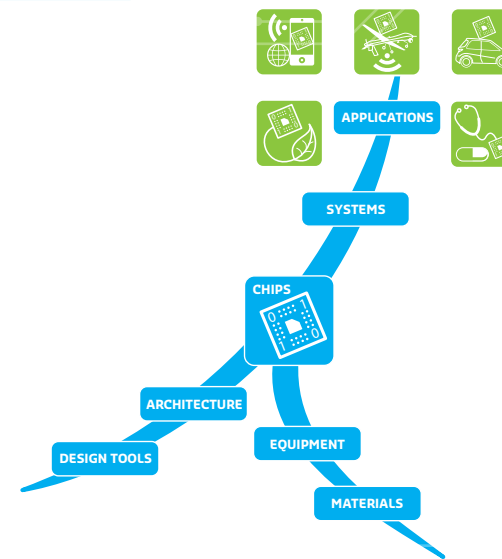
> Ams, ASML, Freescale, Globalfoundries, Infineon Austria, Infineon Dresden, Lam Research, NXP, On-Semi, SOITEC, STMicroelectronics

Around 500 innovative and agile SMEs¹

> The life force of the clusters

A partnership which covers the whole value chain of micro- and nanoelectronics

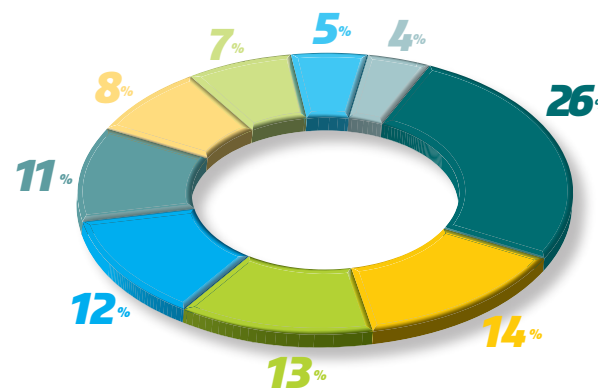
- The entire value chain, from design and materials all the way to applications and smart systems, is represented in Silicon Europe
- The KET (key enabling technology) micro- and nanoelectronics has an impact on nearly every megatrend and technological development and are thus an important innovation driver and hugely leverage numerous industries.
- Silicon Europe's five clusters have valuable strengths all along the entire semiconductor chain



A pervasive force combined with technical know-how allows us to target leading innovative industries

By unifying the technological expertise and resources of Europe's leading players in European micro- and nanoelectronics, the

Silicon Europe cluster creates a new quality approach of transnational collaboration. All application sectors are covered by Silicon Europe's members



- Semiconductors
- ICT
- Medical/Healthcare
- Environment/Energy Efficiency
- Mobility/Automotive
- Consumer
- Other (Imaging, photonics...)
- Security/Defense
- Aviation and Aerospace

Who are we?

The five top clusters shaping a cutting-edge network of micro- and nanoelectronics actors in the heart of Europe



SILICON SAXONY (GERMANY, DRESDEN)

- > Vast experience in high-volume production (More Moore/More than Moore) with a strong industrial base for equipment and materials
- > Silicon Saxony as the core of the ICT cluster (2,100 enterprises, 51,000 employees)
- > Excellent research landscape (9 universities with over 100,000 students, 20 leading research institutes)



MINALOGIC (FRANCE, GRENOBLE)

- > Critical mass and concentration of jobs (1/3 of all French jobs of the microelectronics sector, FDSOI for CMOS low power & MEMS), in the Rhône- Alpes region
- > Innovative environment: Grenoble ranks 5th in Forbes ' "World's 15 Most Inventive Cities" (for number of patents by inhabitants)
- > IRT platform – 3D photonics on silicon/ EDA & Chip Design: Strong community / Leader position in Imaging



DSP VALLEY (BELGIUM, LEUVEN)

- > Broad value chain, from basic R&D including wafer fabs and system integration
- > Innovation ecosystem built around imec and KU Leuven
- > Extensive cooperation with neighboring regions



HIGH TECH NL (THE NETHERLANDS, EINDHOVEN)

- > Coverage of the full value chain in a very tight ecosystem for micro- and nanoelectronic components, systems and production tools
- > Strong position in semiconductor production process technology in support of OEMs
- > Strong RTD base on Photonics, RF, MEMS, Power, Microfluidics (bio/Sensors) serving markets as Automotive, Security, Energy, Healthcare etc.



ME2C (AUSTRIA, VILLACH)

- > Broad know-how base on mixed signal system design with a special focus on power electronics and security
- > Cutting edge technologies and facilities for semiconductor and electronics manufacturing
- > Comprehensive smart system and smart power integration know-how

PARTNERS

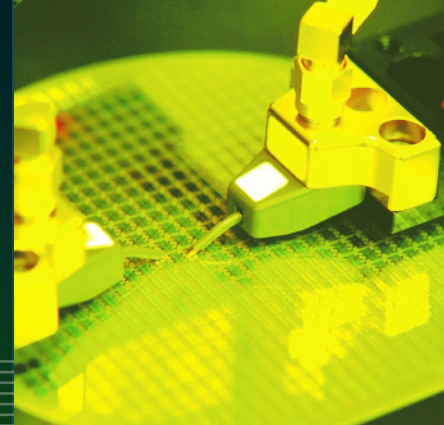


¹SE clusters members only

²Whole ecosystem figures

SILICON EUROPE

The Leaders for innovative electronics



What can Silicon Europe do for you?

A one-stop shop for innovative electronics solutions with added value: Silicon Europe!

Silicon Europe represents a unique and innovative entry point to a comprehensive network of key players in the field of micro- and nanoelectronics, with the full support of the European community.



Locate people matching your needs!

Find technological partnerships!

Establish privileged, regular business contacts!

Set up open innovation days!

Build B2B relationships!

Three reasons to get in touch!

Silicon Europe offers:

- A fast track for establishing successful partnerships with Europe's top micro- and nanoelectronics public and private research institutes and companies.
- Access to top-class expertise and talent and the most advanced technologies at all stages of the micro- and nanoelectronics value chain.
- A Europe-wide platform where leading industrial players, dynamic small and medium-sized businesses and cutting-edge startups come together.

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