

Silicon Saxony

Projects | INFRACHIP (HORIZON-INFRA-2023-SERV-01)

Eda ıĝ Trktaş, EU Project Manager



SILICON SAXONY

HIGH-TECH REGION

- **Key areas:** mobility (automotive, rail, aerospace), **microelectronics/ICT**, mechanical engineering, life sciences, environmental and energy technology
- One of the **most dynamic regions in Germany** (2nd largest GDP growth rate since 2000)

Microelectronics/ICT

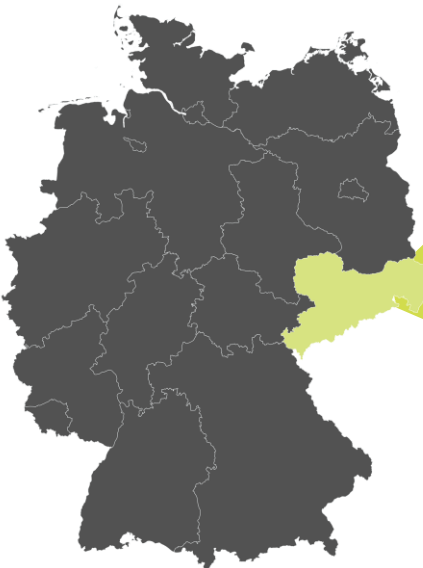


81,000 Employees



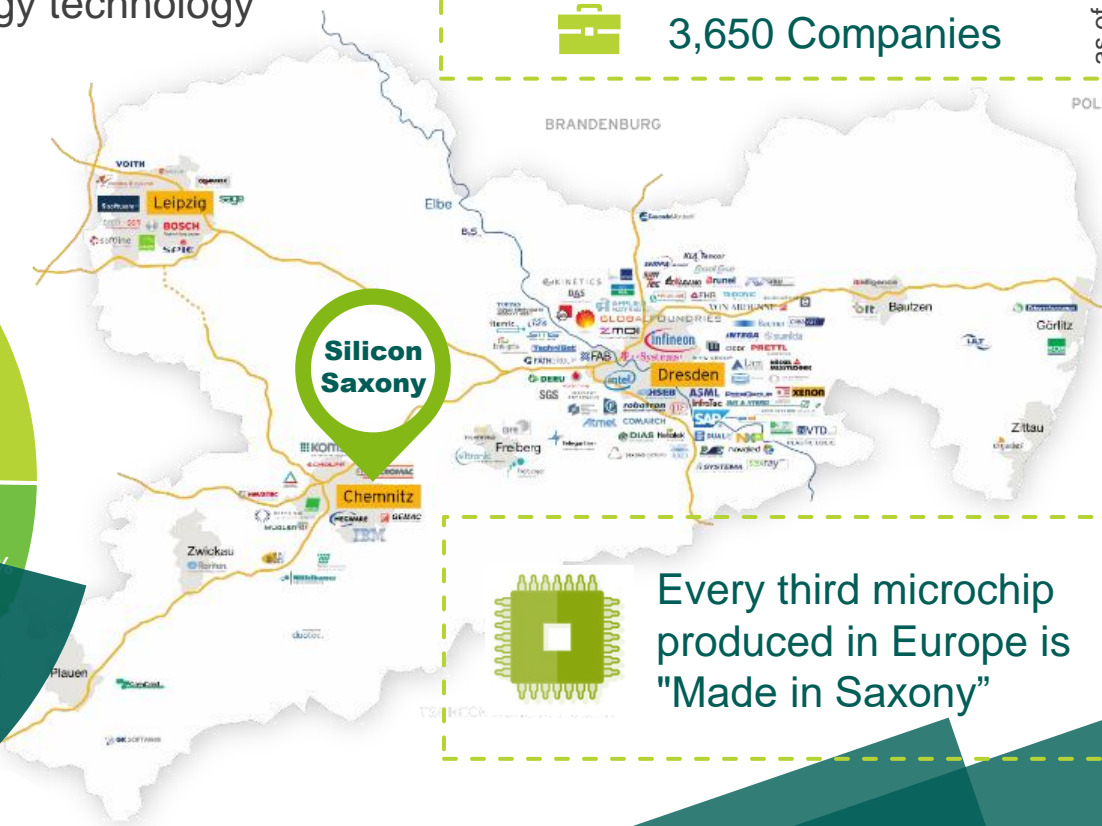
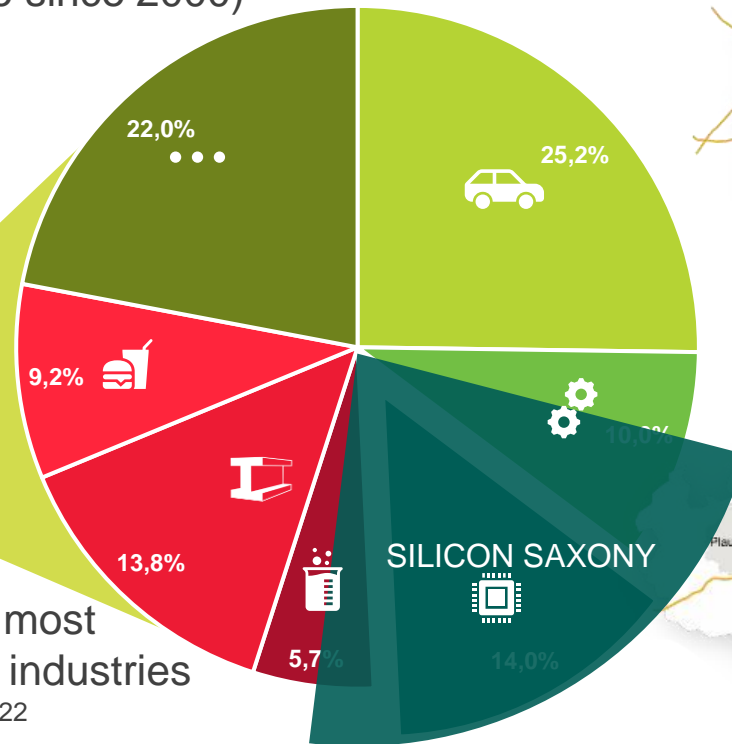
3,650 Companies

as of 2023



GERMANY

Saxony's most important industries
By turnover, 2022



Every third microchip produced in Europe is "Made in Saxony"

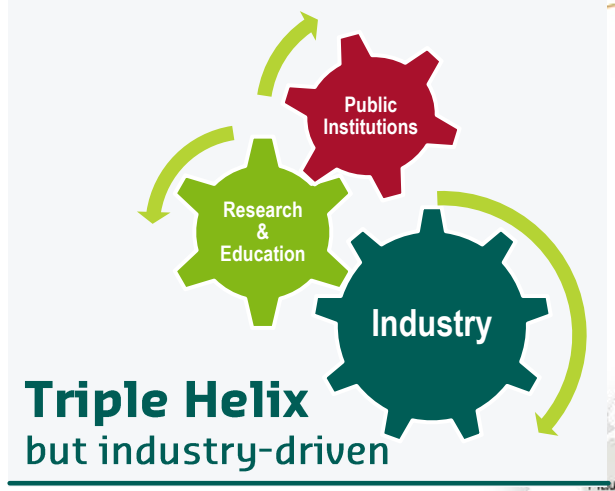
SILICON SAXONY THE NETWORK



Founded in
▶ 2000
Biggest microelectronics cluster in Europe
Micro- and nano electronics, ICT, Software


Independent
We are an independent and self-sustained hightech cluster.

~600 Members
Mainly SMEs covering the whole ICT value chain



27 Employees




Professional Clustermanagement
We are certificated with Goldlabel by European Cluster Excellence Initiative (ECEI)





SILICON SAXONY

INTERNATIONAL PROJECTS

SUCCESSFULLY COMPLETED

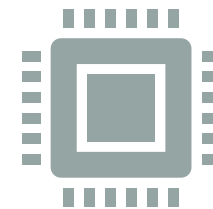
	Silicon Europe FP7 COO 2012-2015
Silicon Europe Worldwide COSME BEN 2016-2018	
	METIS ERASMUS+ BEN 2019-2023
MIND4MACHINES H2020 BEN (2021-2024)	
	EXCITE COSME COO 2016-2018
Ascent+ H2020 BEN 2022-2025	
	Silicon Eurocluster SMP 2022-2025

ONGOING



InfraChip | HE | BEN |
2024-2027

European Chip Skills
Academy |
ERASMUS2027 | BEN
| 2023-2027




aCCcess | Digital
Europe Chips JU |
BEN | 2025-2029

INFRASTRUCTURE for Emerging and Responsible Electronics


Call: HORIZON-INFRA-2023-SERV-01

Duration: 48 M (01.01.2024-31.12.2027)

EU Contribution: EUR 14 457 463

 **INFRACHIP** aims at implementing the **first integrated, distributed research infrastructure** as a wider European research platform for the sustainable development of next-generation and future semiconductor chips.

 **WHY?** Access to various technologies is not equal for everyone. INFRACHIP aims **to remove the frontiers and boosting research and innovation among Europe.**

 **HOW?** INFRACHIP offers **short focused access projects including the possibility to welcome you at the facilities of one of our access providers.** Depending on the task and your own competence, the work will be performed together with our local expert.

INFRACHIP CONSORTIUM

Technological
platforms



Infrachip Project
Coordinator



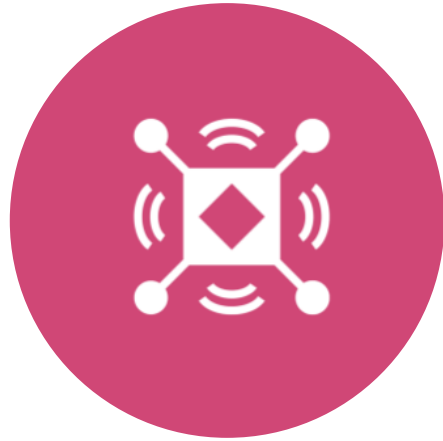
Innovation clusters



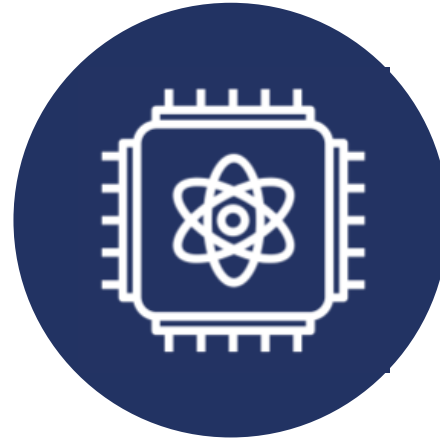
TRANSNATIONAL ACCESS POINTS



- Energy autonomy
- Power electronics
- PMU design



- Advanced sensing
- Stretchable and flexible sensors
- Photonic sensing



- Quantum and spin device engineering
- Component for neuromorphic computing
- Non-volatile memories






- RF components
- RF front-end design
- Short-range optical communication



- Green Electronics & substrates
- Green sensors
- Hybrid SiP/SoC

**We invite
researchers,
innovators, SMEs,
startups to benefit
from our facilities!!!**

-  **Date:** 9th April 2025
-  **Time:** 09:30 – 11:30 (CET)
-  **Online on TEAMS** (Connection link will be shared after registration)

 **Registration**



Agenda:

- Introduction to INFRACHIP Project: Overview of the project's goals, services, and support mechanisms.
- Aligning INFRACHIP with Regional Needs: Identifying gaps and solutions for better service delivery.
- Getting meaningful insights from ongoing user projects: Testimonials by INFRACHIP users
- Interactive Session: Participants will share their needs and experiences, offering valuable feedback.
- Networking and Collaboration Opportunities: Creating connections for future collaboration.



Thank You!



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