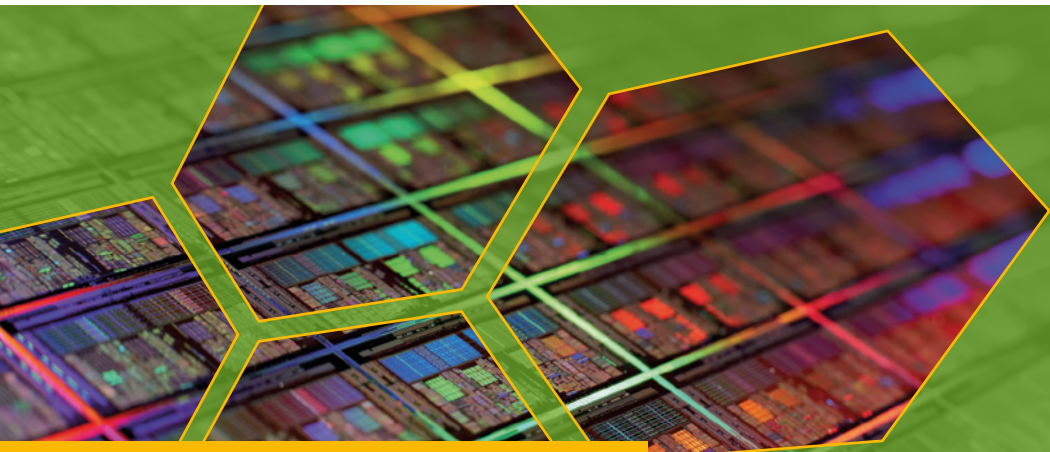


SAXONY!



ICT / MICROELECTRONICS IN SAXONY

MORE THAN JUST “CHIPS”

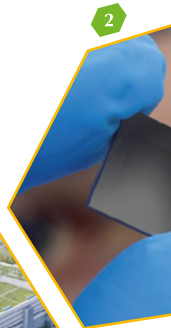
ICT / MICROELECTRONICS IN SAXONY ...

- “Silicon Saxony” – Europe’s largest ICT / microelectronics location
- Every third chip produced in Europe is “Made in Saxony.”
- **GlobalFoundries**, **Infineon**, **BOSCH**, **JENOPTIK**, and – as of 2027 – also **ESMC** are all operating some of the world’s most modern and largest high-tech fabs in Saxony.
- Incubator of highly skilled professionals – with an above average rate of engineers.
- Strong network partners: **Silicon Saxony e. V.**, **Organic Electronics Saxony e. V.**, **Cluster IT Central Germany e. V.**



1. BOSCH plant, Dresden

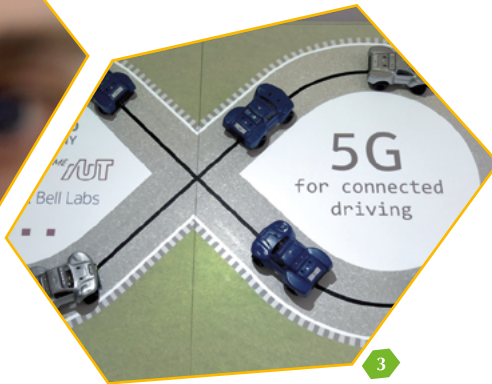
1



2

... OFFERS:

2. Fraunhofer Institute ENAS, Chemnitz;
3. 5G Lab Germany, Dresden



Title: GlobalFoundries, Dresden

- Expertise along the entire value creation chain: Material, IC design / production, application-oriented hardware and software
- Experts in IC design – top region in Germany
- Strong partners for organic electronics, 5G / 6G mobile communication technologies, MEMS / sensors
- Key fields of application: Automation, mobility, medical technology
- Numerous test facilities / labs
- Pioneering research on quantum and next-generation AI computers

EYES AND EARS FOR SMART FACTORIES AND CARS



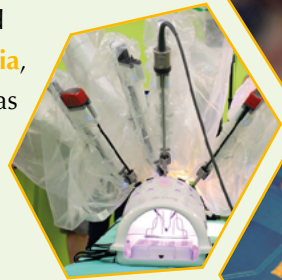
Intelligent machines in smart factories as well as autonomous, self-driving cars require electronic sensor systems and real-time data processing in order to orient themselves in their environment and to interact with humans. Many of these systems are developed in Saxony, for example, at **BASELABS** and **Intenta** in Chemnitz or at **Wandelbots**, **iSAX**, **Accenture**, and **SAP** in Dresden.

*4. GlobalFoundries Fab 1, Dresden; 5. Heliatek GmbH, Dresden;
6. Wandelbots GmbH, Dresden*

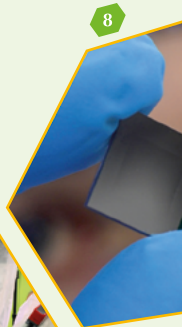
COMMUNICATING WITHOUT DELAY

The endowed chairs of Vodafone and Deutsche Telekom at TUD Dresden University of Technology have already been assuming a leading role in the mobile communication technologies of the future for many years now. Since 2014, the **“5G++ Lab Germany”** in Dresden has been the focal point of 5G / 6G research. 600 scientists are working here together in interdisciplinary teams – supported by such renowned industrial partners as **Vodafone, Deutsche Telekom, Nokia, Ericsson, BOSCH** as well as **BMW** and **VW**. Vodafone has established its global development center for 5G / 6G communication in Dresden in 2021.

7. Else Kröner Fresenius Center for Digital Health - EKFZ DG, Dresden;
8. Fraunhofer Institute ENAS, Chemnitz



7



8



THE RIGHT (ORGANIC) CHEMISTRY

With about 40 companies and 17 R&D facilities, Saxony is considered to be one of the leading centers for organic and flexible electronics. Expert knowledge and materials from **Novaled** in Dresden are found in virtually all OLED displays. **Heliatek** mass produces organic solar cells in a unique roll-to-roll process in Dresden. Researchers at **TU Dresden's Integrated Center for Applied Physics and Photonic Materials (IAPP)** work on a new type of flexible retinal implants that will partially restore the eyesight of blind persons.



9. Siltronic AG, Freiberg;
10. Fraunhofer Institute ENAS,
Chemnitz

A SUCCESS STORY WITH A BRIGHT FUTURE

“Silicon Saxony” got its name in conjunction with an investment of the US company **AMD** in Dresden (today **GlobalFoundries Fab 1**) in 1996. **Siemens** (today **Infineon**) was also among the first to discover “Silicon Saxony.” The success story has been uninterrupted until today: Numerous regional SMEs and subsidiaries of global players all form a unique interdisciplinary ecosystem. The most recent “benefiters” are **BOSCH** (2017) and **TSMC** (2023).

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11. Infineon Technologies / Lichtwerke –
Smart Power Fab, Dresden;
12. NaMLab gGmbH, Dresden

SILICON SAXONY – EUROPE'S LARGEST ICT / MICRO- ELECTRONICS CLUSTER



3rd

chip produced in
Europe is "Made
in Saxony"



3,650

companies



82,500

employees (of whom
49,5 % are in the
software sector)

YOU NEED

- More information about the ICT location Saxony?
- To consult a corporate and business database for suppliers, customers, partners for cooperation or research in Saxony?
- To find competent solution providers for your individual needs and requirements?

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