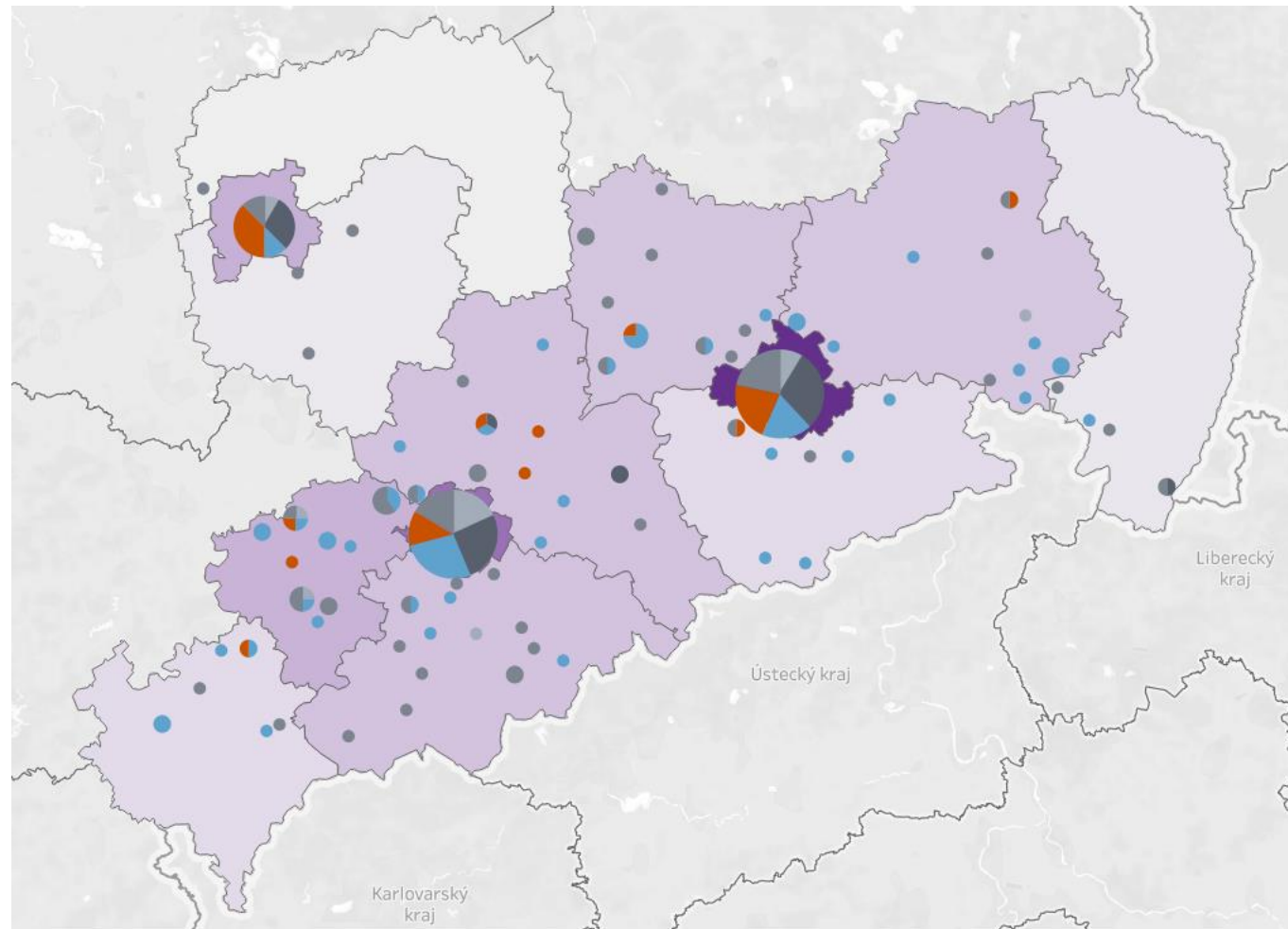


# THE ROBOTICS PLACE TO BE



# SAXONY A ROBOTIC AND AUTOMATION STATE

SAXONY!



**Wertschöpfungskette**

- Dienstleister & Netzwerk
- Forschung & Entwicklung
- Hersteller & Zubehör
- Software & Programmierung
- Systemintegrator

**Anzahl Untern..**

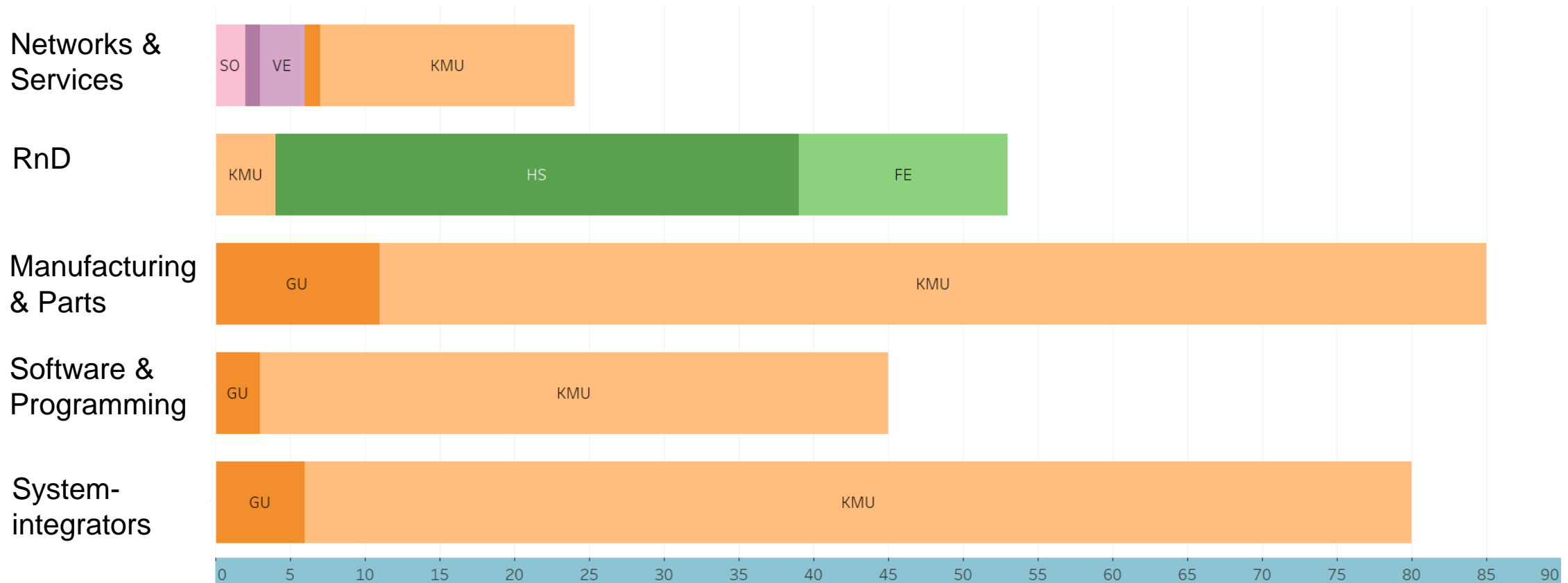
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## Analysis of more than 300 industry players

– Corporates:	25
– SMEs:	229
– Research Institutions:	14
– University Faculties:	35
– Established Networks:	18

\* Unternehmen der IT-Branche, die Software- und Hardware-Produkte anderer Hersteller vertreiben, anpassen, erweitern und in die IT-Landschaft ihrer Kunden integrieren.

# RESEARCH, PARTS, SYSTEM INTEGRATION



Number of companies

GU - Großunternehmen

KMU - Kleinstunternehmen, kleine Unternehmen und mittlere Unternehmen

VE - Vereine

SO - Sonderunternehmen

FE - Forschung & Entwicklung

HS - Hochschulen

## Connectivity

Home of 5G, 6G, +  
*CetI, 6G Life, BI, TU Dresden,  
Vodafone, ...*

## Mechanics

A full history from automotive and  
machinery  
**1.000** companies in machinery sector  
*Fraunhofer IWU, Vemas, ICM*

## Microelectronics / Sensors

2.500 companies  
70.000 professionals  
We call it "Silicon Saxony"

## Software / Steering

No-codes Home, KI, platform  
*Wandelbots, Coboworx, TU  
Dresden*

## Gripper

Yes we can  
*Poweron*



**SAXONY!**

**OUR ECOSYSTEM –  
MADE FOR ROBOTICS AND AUTOMATION**

## **MACHINE ENGINEERING**

„The cradle of German machine  
construction“

45,000 employees in approx. 1,000 firms

## **RESEARCH & DEVELOPMENT**

High density of research institutions  
Fraunhofer IWU, Fraunhofer IWS, CeTI  
(Center of Tactile Internet with Human-in-  
the-Loop)

## **UNIVERSITIES & EDUCATION**

Technical universities in Dresden and Chemnitz  
Universities of Applied Sciences in (e.g. HTW  
Dresden, HS Mittweida, FH Zwickau)  
9.100 STEM graduates

## **MICROELECTRONICS & ICT**

„Silicon Saxony“  
Semiconductor and chip  
manufacturing

**SAXONY!**



## **CONNECTIVITY & IoT**

Barkhausen Institut  
TU Dresden Vodafone Chair for Mobile  
Communication Systems  
CeTI (Center for tactile internet with  
human-in-the-loop)

## **ROBOTICS & FACTORY AUTOMATION –**

Components, platforms and software  
e.g. No-code robotics by Wandelbots

## **APPLYING INDUSTRIES**

Automotive + suppliers  
Semiconductor & chip  
manufacturing  
Life sciences





# WANDELBOTS – AN EXAMPLE FOR ROBOTICS DISRUPTION IN SAXONY



SAXONY!

- **Wandelbots** – Robots for the people: Easy-to-use software solutions for robotic users, system integrators, manufacturers and developers.
- Start-up from Dresden, founded in 2011 and funded more than \$123 mio. from international investors, e.g. Siemens and Microsoft
- Wandelbots Platform - Open platform for developers: Pushing automation forward by collaboration

## Learn more:

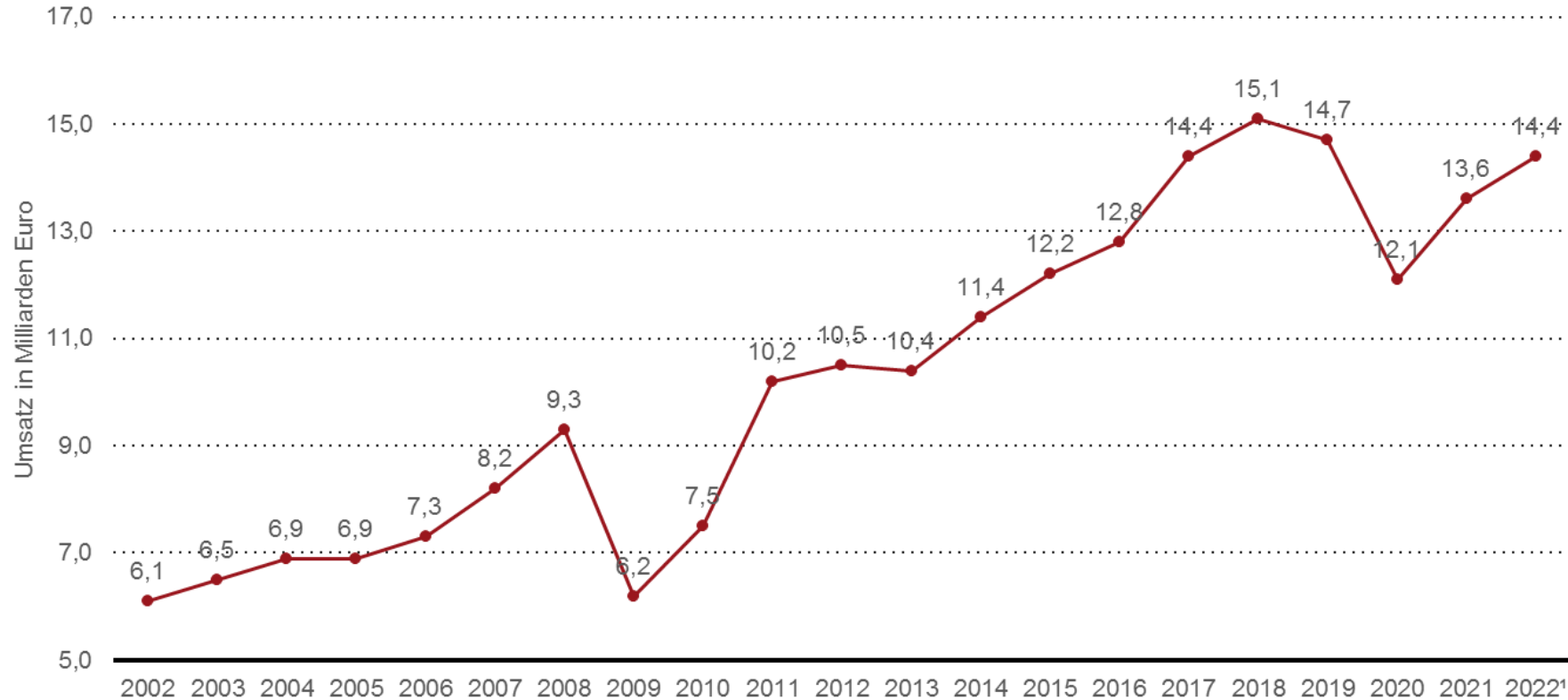
- [Wandelbots on Youtube \(German/English\)](#)
- [Website - Wandelbots](#)



Source: Wandelbots, 2022

# Germany as European Robotic-Hotspot!

Umsatz der deutschen Robotik- und Automationsbranche in den Jahren 2002 bis 2022 (in Milliarden Euro)



Hinweis(e): Weltweit

Weitere Angaben zu dieser Statistik, sowie Erläuterungen zu Fußnoten, sind auf [Seite 8](#) zu finden.

Quelle(n): VDMA [ID 225700](#)

# ROBOTICS SAXONY – WHAT DO WE HAVE TO OFFER FOR YOU?

## Robotics Saxony! Workshop

- Workshops for practitioners
- Project workshops
- RD-Projects
- Real use cases
- Semiconductor Working Group

## Robotics Saxony! Virtual-Lab

- Network of test and application centers
- Best-Practices
- Consultancy, Training, Education

## Robotics SAXONY! International

- Location services
- International cooperation
- Robotics Events
- Start-Up-Scene and Funding



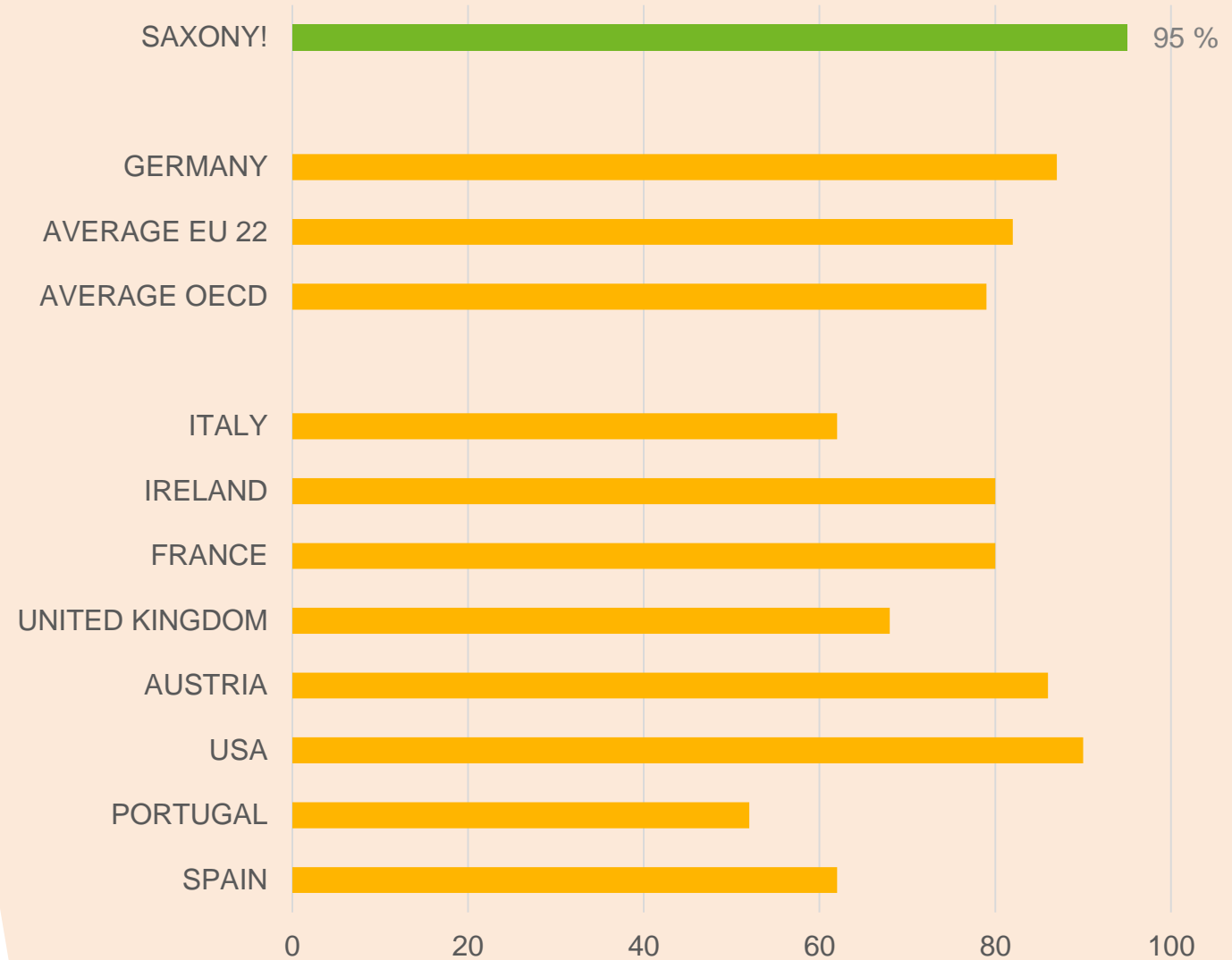
... offener Zugang  
für alle relevanten Partner



## SPECIAL: SAXONY IS GERMANY'S INCUBATOR FOR ENGINEERS

- Proportion of highly qualified labor force (at least university entrance qualification / completed vocational training) above the EU & OECD levels
- Highest proportion of graduates in engineering sciences (Saxony: 28.8 %, German average: 19 %)
- Highest replacement rate for engineers (Saxony: 8.7 %, German average: 6.3 %)
- 41 % of the Saxon employees participate regularly in continued education and training programs (German average: 36 %)
- Large number of employees in medium-high and high-tech manufacturing and knowledge-intensive services

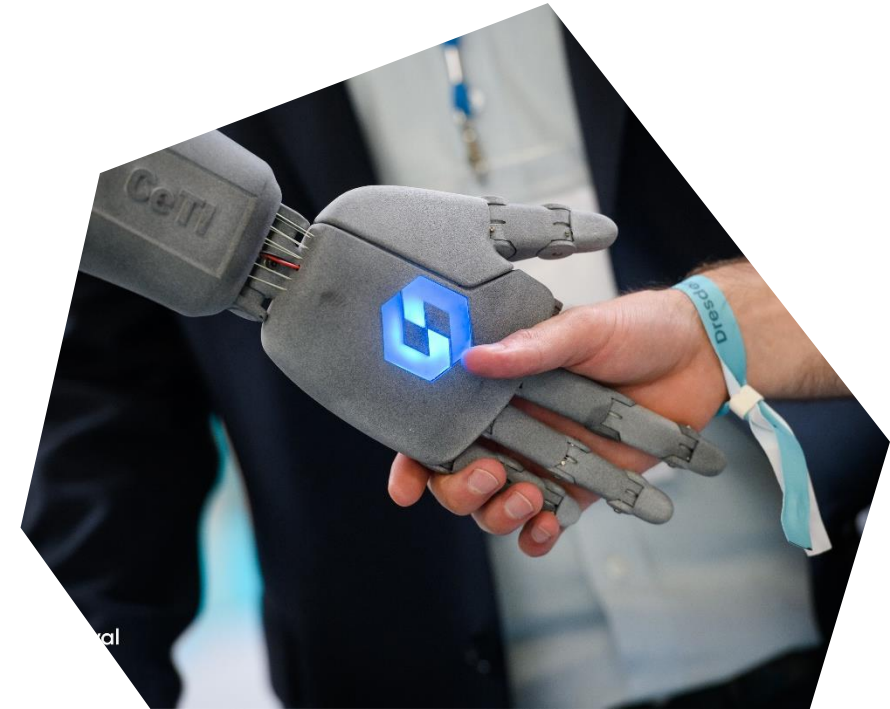
SAXONY!



# 10 REASONS WHY TO REMEMBER...

SAXONY!

- **Disruptive Eco-System for Robotics** due to unique software, mechanical, semiconductor competencies
- **Dynamically growing high-tech region** in Germany – Europe's No.1 economy and largest market
- **Europe's No. 1 microelectronics / ICT cluster** with leading experts in fab automation
- **Largest talent pool for STEM professionals** in eastern Germany with above average growth, esp. for ICT talents
- **Prime locations:** Saxony offers sites ranging from a instant-use 20 ha industrial area to a 400 ha development project site
- Excellent research landscape and the **highest density of researchers** Germany-wide; 65 high-tech start-ups per year
- **Fast and modern international connections:** DHL's European air cargo hub; high-speed rail network; major European freeway intersections
- **Competitive and attractive cost structures:** Low cost of living, affordable industrial real estate and office rents; No.1 Location for Japanese Investors in East Germany
- **Excellent financial support:** Investment incentives and technology funding
- **Unique quality of life:** Germany's No. 1 cultural travel destination, providing a superb work-life balance



## YOUR CONTACT

**Saxony Trade & Invest**

**Mr. Andreas Lippert**

COO, Investor Services

+49 351-2138211

[Andreas.Lippert@wfs.saxony.de](mailto:Andreas.Lippert@wfs.saxony.de)

