

# HERE IS WHERE PROGRESS COMES INTO PLAY.

## SAXONY-ANHALT

### INDUSTRY 4.0 IN SAXONY-ANHALT DIGITAL ECONOMY

**Bundled competencies:** Whether Industrial Automation, AI & Predictive Maintenance, Digital Planning or the Factory of the Future, in Saxony-Anhalt production interlocks with state-of-the-art information and communication technology. The Internet of Things (IoT), machine-to-machine communication and smart production facilities are driving the fourth industrial revolution along the entire value chain and expanding it to include new dynamic and globally networked processes.

### SOLUTIONS AND TECHNOLOGY FROM SAXONY-ANHALT

#### ASSETS / SOFTWARE

##### Individual software development.

In assisting businesses with digitalisation, bridgefield GmbH accompanies medium-sized companies from the idea until the customized and efficient software solution. That ranges from security, to innovation-related consulting through to the cloud-based solution.

#### MACHINES

##### Pilot system with cloud.

Thyssenkrupp manufactures steering components for the automotive industry in Saxony-Anhalt and data for the cloud – and in real time. The likelihood of faulty products leaving the plant is as good as zero.

#### LOGISTICS

##### Software for contemporary supply chain management.

The taraVRbuilder software from tarakos GmbH leads to a reduction in the planning outlay because it initially creates a virtual, complete and three-dimensional model. In this way, downtimes are minimised and costs are saved.

#### PRODUCTS

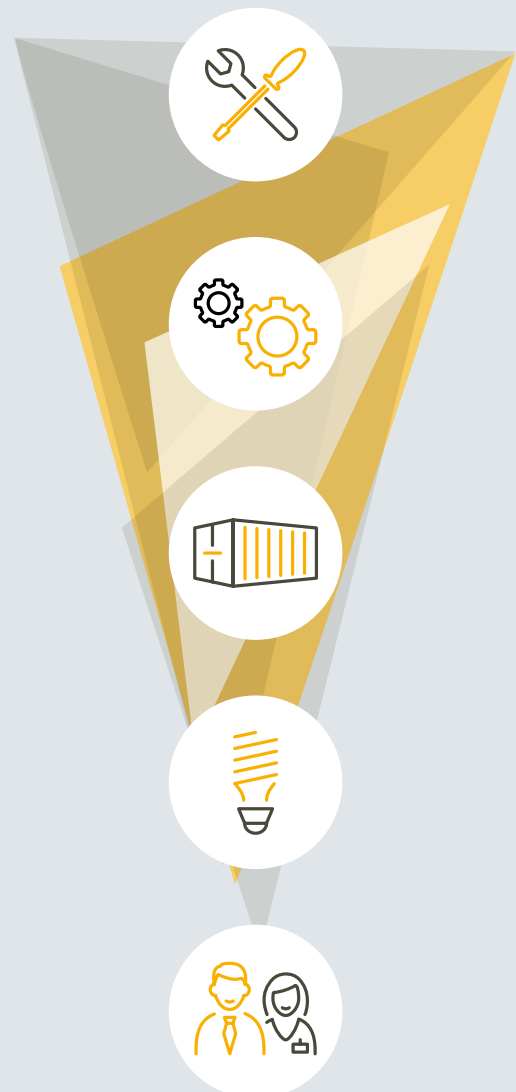
##### Security: Data centre for the cloud.

The Telekom subsidiary T-Systems has built a second data centre in Saxony-Anhalt – a twin-core data centre for redundant data storage which is one of the biggest data centres in Europe. Here, the customers' data are provided with excellent protection against unauthorised access.

#### PEOPLE

##### Med-Tech: New possibilities for diagnosis.

Together with neurologists from the university hospital, the company TeleMedi GmbH in Magdeburg is testing a ground-breaking EEG headset: the brain activity of patients who are at risk can be measured at home with the use of dry electrodes and wireless data transmission.





## INDUSTRY 4.0 IN SAXONY-ANHALT PARTNERS, NETWORKS AND EXPERTISE

### NETWORKED GROWTH WITH MEDIUM-SIZED BUSINESSES

The **Centre of Expertise 4.0 for Medium-Sized Businesses Magdeburg** (Mittelstand 4.0-Kompetenzzentrum Magdeburg) supports businesses with their use of innovative digital solutions for the optimisation of internal company processes, business networking and the development of new areas of business. The Centre of Expertise provides professional and experienced personal contacts in the areas of digital business models, digital networking and standardisation, safety and security and user-friendliness and acceptance.



### NETWORKED INTO THE FUTURE

The **Economics 4.0 Partner Network** (Partnernetzwerk Wirtschaft 4.0) informs, sensitises and motivates people to pull the correct levers in their business and to apply cutting-edge ICT to the digitalisation of the value-added chain and business processes. This is where regional activities, providers and solutions are combined and networked.



### PRACTICALLY ORIENTED RESEARCH

The **Fraunhofer Institute for Factory Operation and Automation IFF** is an independent research organisation and experienced technology partner to the economy. It works on the networked manufacturing of the future, and working on behalf of businesses, develops solutions for intelligent operating systems, resource-efficient production and logistics as well as convergent supply infrastructures.



### RESEARCH AND DEVELOPMENT PROJECTS

The **ifak – Institute for Automation and Communication e. V.** conducts applied research in the business areas of ICT and automation as well as measurement technology and power electronics, and focuses on the business areas of water & energy as well as transport and assistance.



### SAP EXPERTISE

At the Otto von Guericke University of Magdeburg is home to the biggest **SAP University Competence Centre (SAP UCC)** in the world. It manages and maintains SAP solutions for more than 500 facilities in Europe, the Middle East and Africa – from the vocational college to the elite university, and from research institutes to industrial partners. It enables science and business to benefit from the latest technology in teaching, research and co-innovation.



### IMG – YOUR POINT OF CONTACT

**Investment and Marketing  
Corporation Saxony-Anhalt**  
Am Alten Theater 6 | 39104 Magdeburg  
Germany  
Tel. +49 391 56899-10  
[welcome@img-sachsen-anhalt.de](mailto:welcome@img-sachsen-anhalt.de)

### IMG – YOUR PARTNER

For all queries concerning project  
implementation  
For industrial areas and location service  
For international business service  
For support and financing service

For skilled and talented staff  
For authority and permit management