



HERE IS WHERE PROGRESS COMES INTO PLAY.

COMBINED EXPERTISE: Many businesses from Saxony-Anhalt are providing technology for the realisation of **INDUSTRY 4.0** concepts along the **ENTIRE VALUE-ADDED CHAIN**. The IMG – the Investment and Marketing Corporation Saxony-Anhalt – is your partner for the challenges presented by the fourth industrial revolution.

SOLUTIONS AND TECHNOLOGY FROM SAXONY-ANHALT



ASSETS / SOFTWARE **INDIVIDUAL SOFTWARE DEVELOPMENT.**

In assisting businesses with digitalisation, XITASO Engineering 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 Nielsen Tele Medical 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

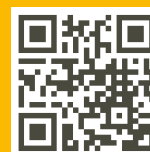
NETWORKED GROWTH WITH MEDIUM-SIZED BUSINESSES

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.



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.



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.



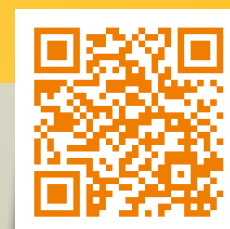
UNDERSTANDING PROCESSES

Medium-sized 4.0 Agency Processes (Mittelstand 4.0-Agentur Prozesse) answers questions about the use of digital process and resources management and IT security in manufacturing environments: with the use of example processes, professional know-how is prepared, further developed and conveyed to medium-sized businesses on a company-oriented basis.



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.



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FURTHER INFORMATION: