



## **BIBA's Competences for Digitalization and Industry 4.0**

**Industry 4.0 Test Environments for SMEs** is a funding program of the German Federal Ministry of Education and Research with the aim of testing and optimizing product ideas or prototypes as practically as possible and experimenting with new business ideas. BIBA with its laboratories is registered as a testbed for this program.

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The **IoT FabLab** at BIBA cooperates with technology providers in the area of Industrial Internet of Things. The lab provides all the resources necessary for work in industrial projects as well as in teaching: from RFID, sensors, and programmable logic controllers to single-board computers and wearable computing systems to a comprehensive IT infrastructure for the collection, processing and visualization of data.

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The **Industry 4.0-Competence and Transfer Centre** at BIBA was established within the collaborative research project „CyProS – Cyber Physical Production Systems“. It presents the project results as well as activities in the context of Industry 4.0 and implements them with partners from industry and logistics.

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The **LogDynamics Lab** – Application Centre for Technologies in Logistics of the Bremen Research Cluster for Dynamics in Logistics at the University of Bremen is hosted at BIBA. It researches application of key information and communication technologies to optimise production and logistics processes and implements prototypical solutions.

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### **Further information**

[www.biba.uni-bremen.de/en/industry.html](http://www.biba.uni-bremen.de/en/industry.html)

# **BIBA**





BIBA is a scientific partner of **Mittelstand 4.0-Kompetenzzentrum Bremen**, a part of the initiative „Mittelstand 4.0 - Digital Production and Work Processes“ on behalf of the Federal Ministry for Economic Affairs and Energy. The center offers small and medium-sized enterprises practical support and qualification in increasing their digitalization skills. The free offer ranges from information events, demonstrations and innovation workshops to implementation projects in which practical solutions make digitalization tangible.

As part of our focus on „**Digital Service**“, BIBA assists you in the design and development of new digital services. Experience and learn:

- The development and modeling of digital business models
- The use of digital technologies in the maintenance of plants
- Digital communication technologies for resource planning
- Practical examples for modern automation solutions
- Possibilities for autonomous control in production and logistics
- Digital media for education and training

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## Further information

<https://kompetenzzentrum-bremen.digital>

