Our Skills

The IT-Anwenderzentrum combines the computer science, communication and technology skills available at OTH Regensburg. This ensures an interdisciplinary approach which can be deployed to comprehensively support and implement joint projects from commerce and industry. The dovetailing of practical, relevant and up-to-date applied research guarantees scientific know-how at the highest level.

Our Range of Services

We strive to deliver the best possible advice and support for our project partners at all times, and this means matching our services to their needs as closely as possible. Our services range from giving advice through continuing education and training to application-based research and development.

IT-Anwenderzentrum
at Ostbayerische Technische Hochschule Regensburg

IT-Information
C-Communication
T-Technology

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We at the IT-Anwenderzentrum see ourselves as mediators between the development of scientific ideas and the practical implementation of those ideas for business - especially for small and medium enterprises (SMes) in Lower Bavaria and the Oberpfalz region of Germany. We offer skills in computer science, communication and technology, and we aspire to find practical, application-based solutions together with our partners in industry and commerce.

**Profile in Brief**

The IT-Anwenderzentrum at Ostbayerische Technische Hochschule Regensburg (OTH Regensburg) was opened in 2011 and is an established part of the higher education landscape of Northern Bavaria. Its scientific directors are Professor Markus Kucera and Professor Thomas Waas. Both have a background in industry and put their professional experience to effective use in their work as teaching professors at OTH Regensburg and as heads of the IT-Anwenderzentrum (ITZ). The IT-Anwenderzentrum currently has a staff of around 20.

**Our Team**

Our team comprises qualified OTH Regensburg computer scientists and mathematicians who bring expert technical and complementary IT skills to bear on problems, delivering practical solutions based on sound science.

Our main contacts in the various IT fields:

- **Prof. Bernd Hafenrichter**
  - Software Engineering
  - Software Quality

- **Prof. Georg Illies**
  - Cryptography
  - Methods and Protocols

- **Prof. Fritz Jobst**
  - Distributed Systems
  - Apps

- **Prof. Markus Kucera**
  - RealTime Systems
  - Safety

- **Prof. Alexander Metzner**
  - Embedded Systems
  - MDD&HW/SW-CODesign

- **Prof. Christoph Skornia**
  - Information Security
  - Cloud, Apps, Code

- **Prof. Klaus Volbert**
  - Smart Algorithms
  - Smart Grid

- **Prof. Thomas Waas**
  - Computer Networks
  - Security

**Our Cooperation Partners**

An atmosphere of competent, trusting cooperation is the basis for our actions in our dealings with enterprises in industry and commerce. We work hand in hand with our partners.

Cooperation with our project partners can take different forms. Once all of the requirements and constraints have been clarified, a common project plan can be drawn up.

- Development for R&D projects with funding
- Recommendations for action
- Feasibility studies
- Market analysis
- Prototypes

**Our Laboratories**

Besides scientific expertise, we have access to all relevant technologies as well as measurement systems and software systems. Our laboratories and facilities are the latest state of the art, providing comprehensive test and demonstration platforms for testing and developing new ideas and enabling us to deliver innovative, reliable outcomes for successful project work.

- Contract research
- Doctorates
- Research Master
- Thesis (Bachelor/Master)
- student assistants