**Fraunhofer IESE at a Glance**

# Engineering the Digital Future

# Fraunhofer Institute for Experimental Software Engineering IESE

## We are shaping the digital future!

The Fraunhofer Institute for Experimental Software Engineering IESE in Kaiserslautern has been one of the leading research institutes in the area of software and systems engineering as well as innovation engineering for over 25 years.
The research results are incorporated directly into the service portfolio and the customer projects of Fraunhofer IESE – for a better life, sustainability, and economic success.

With its applied research, the institute develops innovative solutions for the design of dependable Digital Ecosystems, thereby accelerating the economic and social benefits for its customers.

In over 2,000 customer projects, the institute has transferred cutting-edge research into sustainable business practices and innovative products.

## Focus Topics

- Dependable AI
- Digital Ecosystems
- System Modernization
- Virtual Engineering / Digital Twins

Fraunhofer IESE is driving the digital transformation in many different application areas:

- **Agriculture & Food**
- **Automotive & Mobility**
- **Autonomous Systems**
- **Defense**
- **Digital Business**
- **Digital Healthcare**
- **Production**
- **Smart City & Smart Region**
- **Smart Energy**

**Software as the key to success**

With its research approaches, solutions, and competencies, Fraunhofer IESE supports commercial enterprises in a wide range of industries as well as municipalities – throughout the entire lifecycle of a project. The IESE experts carry out research on new technologies and methods for and together with their customers. The four focus topics, in particular, have been specifically adapted to customer requirements. After all: Software is the key to innovation and business success!

A particular focus of IESE's expertise are the following competencies:

- **Creativity- and Requirements Engineering**
- **Data Science, Data Analytics, and Data Engineering**
- **Development Processes**
- **Safety Engineering**
- **Security Engineering**
- **System and Software Architecture**
- **User Experience**

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With our innovative solutions in the area of software and systems engineering, we support companies on their way to the digital future!«

**Prof. Peter Liggesmeyer,**
Director Fraunhofer IESE

## Thinking about the future already?

We support you as a partner in a wide range of applications and conduct research for you on trend-setting key technologies.

So that your projects will be successful in the future as well!

Are you looking for digital transformation experts?
We offer:
- Contract research
- Expert consulting
- Training / coachings
- Software tools

Please feel free to contact us!

## Contact

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