



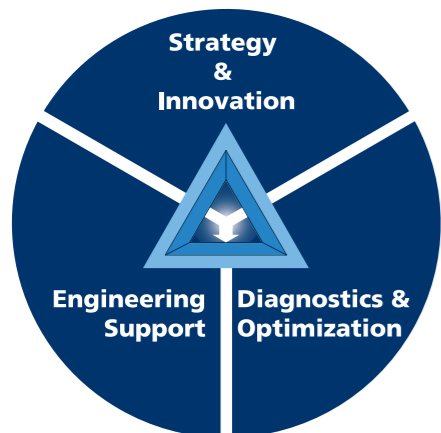
OUR SERVICES FOR YOU

Develop innovative products with guaranteed qualities by collaborating with us! As a Fraunhofer institute, we stand for application-oriented research and are committed to neutrality. Benefit from our

custom-tailored offers and our state-of-the-art methods.

Regarding both your product and your processes, we provide support for:

- the creation of a successful IT and software strategy and are your creative partner in the development of innovative product ideas;
- the constructive realization as well as the sustainable engineering of your products and development processes;
- the diagnosis of the strengths and weaknesses of your products and processes and show you concrete optimization potential.



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OUR FORMULA FOR YOUR SUCCESS

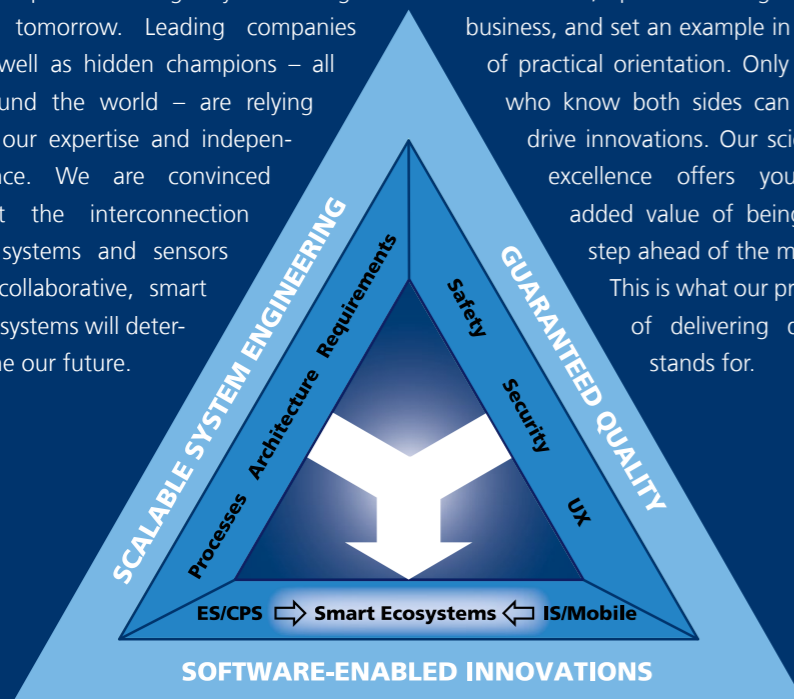
ENGINEERING + QUALITY ⇒ INNOVATION



FRAUNHOFER IESE

Software is at the core of innovative systems and sustainably ensures the future of our society and our economy. For almost 20 years we have been involved in research and collaboration with our partners to develop trendsetting key technologies for tomorrow. Leading companies as well as hidden champions – all around the world – are relying on our expertise and independence. We are convinced that the interconnection of systems and sensors in collaborative, smart ecosystems will determine our future.

Quality assurance will be of crucial importance in this regard, and the increasing system complexity will become an ever greater challenge for any company. We understand your requirements, explore new solutions, speak the language of business, and set an example in terms of practical orientation. Only those who know both sides can really drive innovations. Our scientific excellence offers you the added value of being one step ahead of the market. This is what our promise of delivering quality stands for.



SCALABLE ENGINEERING GUARANTEED QUALITY

The scalability of our methods helps you to master your individual challenges in a systematic and quantifiable manner – regardless of whether you are an SME or a major corporation.

Validated methods, quality assurance, and fact-based proofs ensure that you get the highest possible quality for your products and systems – in all phases of the development.

PROCESSES Optimizing through transparency: Develop complex systems with the highest quality with our help, based on the definition, measurement, and optimization of software and system development processes.

SAFETY Defects and failures can jeopardize human lives – functional safety is thus essential! We use innovative, model-based methods to make your products safe and to ensure efficient safety cases.

ARCHITECTURE Building upon a strong foundation: We already support you during the constructive phase of development, with model-based definitions, with assessments, and in optimizing your system and software architectures.

SECURITY Data and system security – particularly in distributed systems – is a must! Our usage control technologies allow you to control and protect the dissemination and usage of your data beyond the initial access.

REQUIREMENTS Knowing what is important: By systematically eliciting, specifying, and evaluating your requirements, we assure the quality of your systems right from the start and help you to avoid one of the most frequent and most expensive sources of errors.

UX User Experience refers to the total experience! With a positive UX, your products will conquer the market. The seamless integration of our innovative UX engineering methods into proven software engineering methods gives you a competitive edge.

SOFTWARE-ENABLED INNOVATIONS

Our scalable systems engineering methods allow realizing software-based innovations for all branches of industry with the highest quality – guaranteed!

INFORMATION SYSTEMS

... are permeating all areas of our daily lives! Modern business life has become inconceivable without secure and user-friendly systems and mobile applications. Billions of transactions are performed every single day. From ERP systems via CRM systems to online portals for various services such as online banking, social networks, eCommerce, and eGovernment – we offer you excellent know-how for your information systems.

EMBEDDED SYSTEMS

... must be safe and reliable! They contribute to a great extent to functionality, innovation, and value creation in the domains Automotive and Transportation Systems, Automation and Plant Engineering, as well as Medical Technology. During product development, our primary focus is on implementing model-based systems engineering with guaranteed qualities. We are your reliable technology partner in all phases of the development process.

SMART ECOSYSTEMS

By vertically interconnecting *Embedded Systems* and *Information Systems*, we tap new potential regarding functionality and efficiency together with our partners. The result are intelligent ecosystems for a wide variety of application areas. The cross-domain interconnection and integration of systems, services, and applications plays an ever greater role for topics such as "Industry 4.0", "Big Data", or "Smart Rural Areas". With our holistic systems engineering approach we help to develop smart systems that can be relied upon in every regard.