

Fraunhofer IGD and its partners offer your customers numerous services around contract research and implement them to a high quality standard for you and with you.

Our offers and services at a glance:

- Contract research for industry, business and public authorities
- Development of new technologies, prototypes and complete systems
- Preparation of concepts, models and practical solutions
- Support service at the customer's location
- Evaluation of software and hardware
- Visualization of information
- 2D and 3D modeling
- Simulations of models
- Studies and consultation
- Licensing
- Training

Do you have any questions about cooperation options and need more information? Our contacts in Germany, Austria and Singapore will be happy to assist you.

**FRAUNHOFER IGD: THE WORLD'S LEADING INSTITUTE
FOR APPLIED RESEARCH IN VISUAL COMPUTING**

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SHORT PROFILE



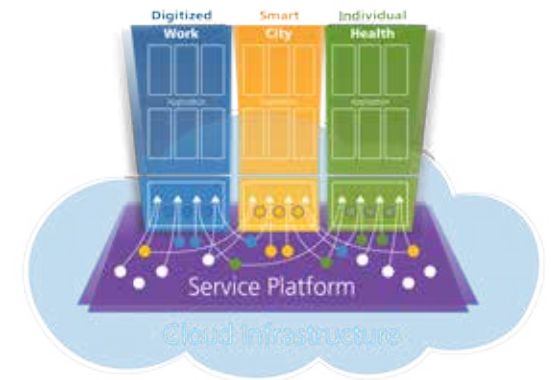


Fraunhofer IGD has become the world's leading institution for applied research in the field of visual computing. **Visual computing** means image and model-based IT. In simple terms, it describes the capability of transforming information into images (**computer graphics**) and extracting information from images (**computer vision**). The numerous application scenarios include human/machine interaction, interactive simulation, and modeling situations.

Our researchers at the sites in Darmstadt, Rostock, Graz, and Singapore develop new technical solutions and prototypes all the way up to the market readiness stage. In collaboration with our partners, this results in application solutions that are custom-tailored to customer requirements.

Visual computing solutions for industry and economy

Our approaches facilitate the work with computers and are efficiently used in the industry, in everyday life, and in the healthcare sector. Through applied research, we support the strategic development of the industry and economy. Especially small and medium-sized enterprises as well as service centers can benefit from this and be successful on the market with the help of our leading technologies.



A shared **software platform** constitutes a basis for our work. Based on this technological approach, the three guiding themes of digitized work, smart city and individual health form our strategic fields of application. Within these fields, we approach current topics of social relevance and develop pioneering visual computing solutions.

In the **digitized work**, the research projects focus on support people in the industry 4.0, in which modern Internet technologies meet conventional industrial production techniques.

The key topic **smart city** is about the sustainable development of urban areas. This field includes the development of solutions for digital urban administration, optimum traffic planning, and interactive citizen involvement.

Individual health is another subject area in which visual computing is expected to benefit physicians and patients alike. Various visualization solutions – even with very large data – strive to ensure the best therapy possible.

With its platform strategy **visual computing as a service**, Fraunhofer IGD will provide its base technologies to developers in the industry in the years to come.