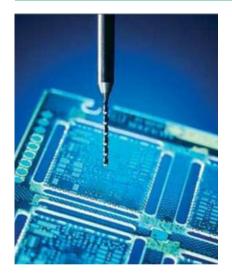
FRAUNHOFER-GESELLSCHAFT

Partner for Innovations













Profile of the Fraunhofer-Gesellschaft



- Founded: 1949
- about 24,000 staff
- 66 institutes and research units
- Fraunhofer worldwide

Europe: Brussels (Belgium), Budapest (Hungary), Porto (Portugal), Gothenburg (Sweden), Bolzano (Italy), et al.

USA: Boston, Brookline, Cambridge, East Lansing, Maryland, Newark, Plymouth, San José, Storrs

North/South America: London (Canada), Santiago (Chile), Salvador and Sao Paulo (Brazil)

Asia: Ampang (Malaysia), Beijing (China), Jakarta (Indonesia), Koramangala Bangalore (India), Seoul (South Korea), Singapore, Tokyo and Sendai (Japan)

Africa/Middle East: Dubai (United Arab Emirates), Cairo (Egypt), Stellenbosch and Pretoria (South Africa)





Profile of the Fraunhofer-Gesellschaft



- Annual research budget: more than 2 billion euros*
- Including approx. 1.7 billion euros for contract research*
- Over 70% of this sum is generated through
 - projects commissioned by industry and
 - publicly funded research projects
- Roughly 30% is provided by the German state and federal governments for advanced research (looking at issues that will be of concern to the economy and society in general in five or ten years time).



^{*} Figures for 2014

Profile of the Fraunhofer-Gesellschaft







Research and development

- Application-oriented research of direct use to businesses and of benefit to society
- Application-oriented basic research
- Departmental research for the German Federal Ministry of Defense

Business community

- Institutes work as profit centers
- One-third of the budget consists of income from industrial projects
- Spin-offs by Fraunhofer researchers are encouraged

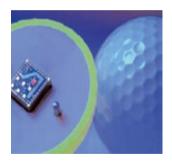
Contracting partners/clients

- Industrial and service companies
- Public sector



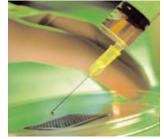


Pooling competencies by networking

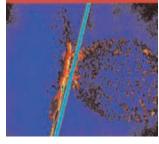












Fraunhofer Groups

- Information and Communication Technology*
- Light & Surfaces
- Life Sciences
- Microelectronics
- Production
- Defense and Security
- Materials and Components

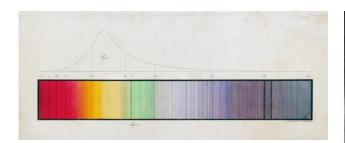
* Membership of Fraunhofer IAO





Joseph von Fraunhofer

The Fraunhofer-Gesellschaft



Discovery of the "Fraunhofer lines" in the solar spectrum

New methods for processing lenses

Director and **partner** in a glassworks



Research and development on behalf of industry and state

mp3 music format, white LED, high-resolution thermal camera

Research volume: approx. € 2 billion annually





Fraunhofer IAO

Ideas for success





Profile of IAO and IAT





■ **Founded:** IAO – 1981 IAT – 1991

■ **Director:** Prof. Dr.-Ing. Wilhelm Bauer

■ Budget: 34.3 million euros*, of which

34.8 % are generated from

industry

Staff: about 560 employees*

* Figures from 2014, including IAT University of Stuttgart

www.iao.fraunhofer.de/lang-en www.iat.uni-stuttgart.de





Facts and Figures 2014





479 projects

- 305 industrial projects
- 133 publicly funded projects

Publications

- 189 scientific publications
- 28 publications in IAO-Shop

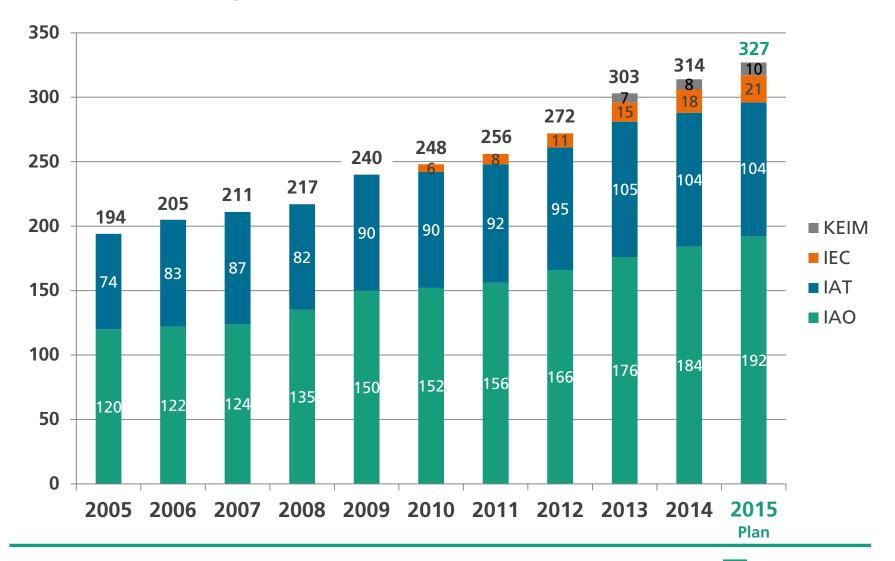
Press

- 2023 press reports
- 75 blogposts on IAO blog
- 2077 followers on twitter
- 51 conferences, seminars, events



Number of Employees

Further continuous growth



Our areas of business

Corporate Development and **Service and Human Resources Engineering Systems** Work Design Management Make the most of employees' Advance virtual engineering ■ Future oriented corporate development ■ Design of productive work ■ Target-oriented competence Design ergonomics into development technical systems ■ Interconnect processes Services with a strong ■ Rethink the concept of efficiently customer focus mobility Information and Mobility and Technology and **Communication Technology Innovation Management Urban Systems Engineering** ■ Exploit the full potential of IT Strengthen innovation ■ Smart integration of capabilities electromobility ■ Apply process innovation Develop technology strategies ■ Shaping cities in a sustainable successfully way Design intuitive interactive Enhance R&D performance ■ Shared use of resources systems





Focus Themes















Fraunhofer institute campus in Stuttgart





Network – pooling strengths for lasting success



Partners and Cooperations

- Fraunhofer Innovation Engineering Center IEC
 Fraunhofer Italia Research Konsortial-GmbH &
 Trade Association of South Tyrol
- Center for Technology Management eftek
 Zeppelin University in Friedrichshafen
- KEIM, the competence center for energy and information technology mobility interfaces Hochschule Esslingen University of Applied Sciences
- Fraunhofer branch lab in Garmisch-Partenkirchen



Network – pooling strengths for lasting success



- Partners and Cooperations
 - Competence center for logistics and added value LOGWERT, Heilbronn University
 - Fraunhofer Center for Research and Innovation ceRRI in Berlin
 - Network office Cluj in Klausenburg, Romania Technical University of Cluj-Napoca
 - Reutlingen University's EBS Business School



Laboratories, Demonstration and Consulting Centers



3D Interaction Lab



Mobility Innovation Lab



Immersive Engineering Lab



Digital Engineering Lab



Light Fusion Lab



Electric vehicle fleet with charging infrastructure





Laboratories, Demonstration and Consulting Centers



Ergonomy Lab



Vehicle Interaction Lab



ServLab



Fraunhofer IAO online

www.iao.fraunhofer.de/lang-en





Further Information

- IAO 2.0
 - blog.iao.fraunhofer.de
 - wiki.iao.fraunhofer.de
- Mobile
 - m.iao.fhg.de
- Publications
 - https://shop.iao.fraunhofer.de
- Information Material
 - www.iao.fraunhofer.de/press
 - https://informationen.iao.fraunhofer.de
- Events
 - www.iao.fraunhofer.de/lang-de/veranstaltungen





Typical Types of Collaboration

- Direct bilateral projects
- Joint projects with several companies
- Public funded projects (EU)
 - Horizon 2020: NMP (manufacturing...), ICT, ...
 - PPPs Factories-of-the-Future and others
 - FTI Fast Track to Innovation
 - Eurostars
- Bi-national funded projects, e.g. with BMBF (where available)

Contact us

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