

MICROELECTRONICS & MICROSYSTEMS

Short Introduction

Fraunhofer Institute for Photonic Microsystems IPMS

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FRAUNHOFER GESELLSCHAFT

founded in 1949



FRAUNHOFER INTERNATIONAL



FRAUNHOFER GESELLSCHAFT



APPLIED RESEARCH TO BENEFIT SOCIETY

- Industry
- Service
- Public



THE EUROPEAN INNOVATION POWERHOUSE

- 72 Institutes
- 26.600 employees
- 2.6 Mrd. € turnover (research)



IDEAS TO MARKET

- Professional IP-management
- Leading edge equipment
- From sketch to products

FRAUNHOFER INSTITUTE FOR PHOTONIC MICROSYSTEMS

Dresden, Germany

WORLDWIDE LEADER IN RESEARCH AND
DEVELOPMENT SERVICES FOR

ELECTRONIC & PHOTONIC MICROSYSTEMS
TARGETING THE APPLICATION FIELDS:

- INDUSTRIAL SOLUTIONS
- QUALITY OF LIFE
- MEDICAL & HEALTH



450 Employees



42 M€ Annual Turnover

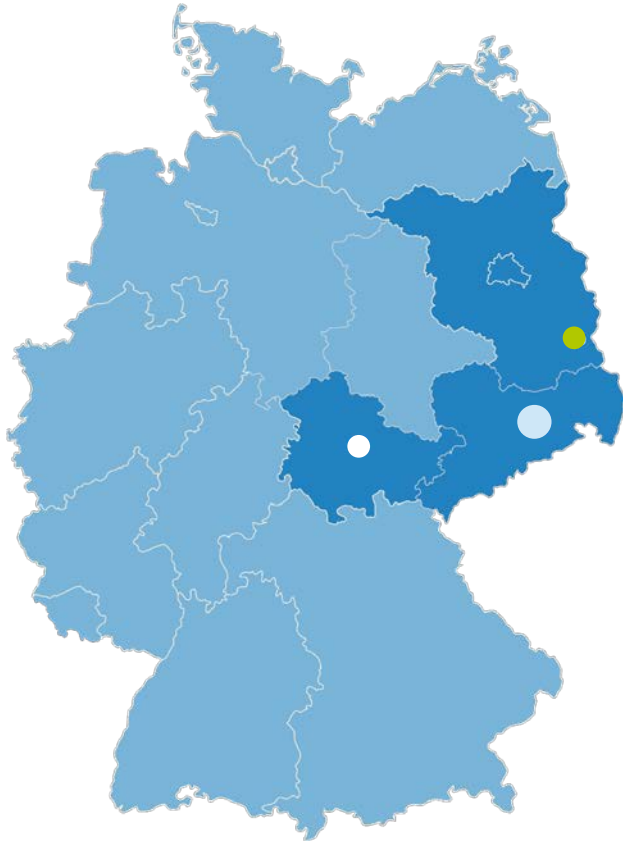
19 M€ Industry Contracts



200 mm Wafer Fab for Microsystems

300 mm Wafer Fab for Microelectronics

FRAUNHOFER IPMS LOCATIONS & CLUSTERS



- »200 mm Photonic Microsystems«
HEADQUARTER (DRESDEN)
- »300 mm Microelectronics«
CENTER NANO-ELECTRONIC TECHNOLOGIES (DRESDEN)
- »Integrated Silicon Systems«
BRANCH (COTTBUS)
- »Microelectronic and Optical Systems for Biomedicine«
PROJECT HUB (ERFURT)

1992 / 2003	2013	2018	2019
Foundation	300 mm research line integration	Expansion to four locations	200 mm MEMS cleanroom upgr.

FRAUNHOFER IPMS – LOCATIONS & CLUSTERS



SILICON SAXONY

- Largest microelectronics network in Europe
- Semiconductor companies: 2.300
- Employees: 65.000
- Clean room area: 52.000 m²
- Turnover: € 14 billion in Saxony

FORSCHUNGSFABRIK MIKROELEKTRONIK (FMD)

- One-stop shop for R&D services in micro / nanoelectronics development
- Cooperation of 13 institutes in Germany
- Employees: 2.000

WORLDWIDE CONNECTED

- Member of over 20 other networks & professional associations

FRAUNHOFER IPMS - CUSTOMER BENEFITS

MINIATURIZED MODULES &
SYSTEMS WITH INNOVATIVE
FEATURES & FUNCTIONALITIES

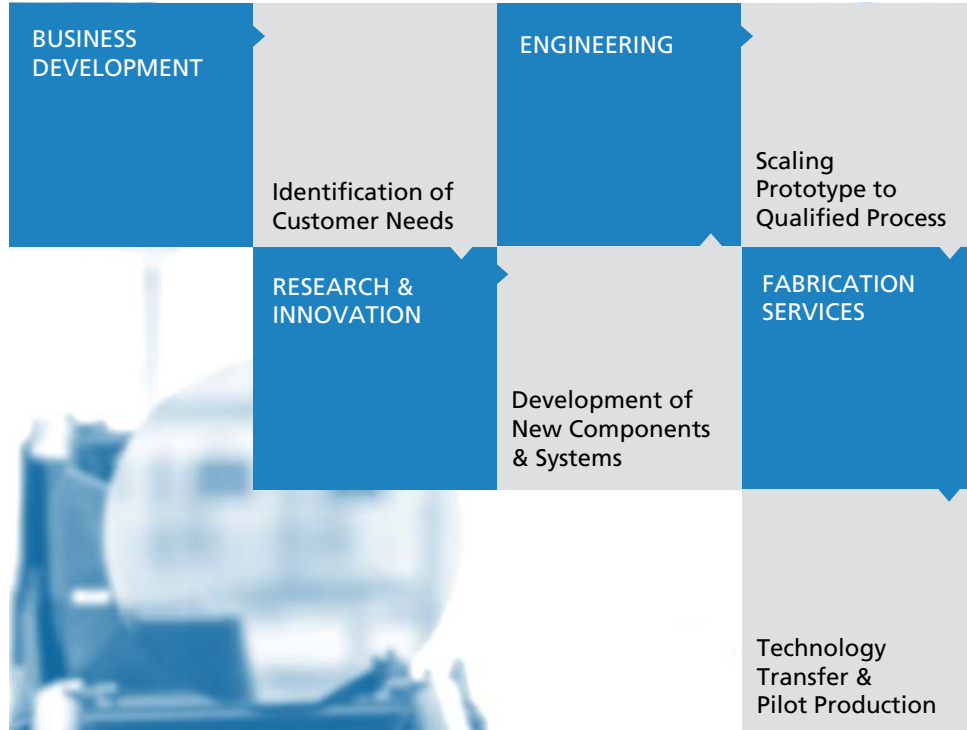
CONCEPT TO PRODUCTION &
COMPONENT TO SYSTEM
SOLUTIONS



WE ENSURE
**LASTING
COMPETITIVENESS**
OF OUR CUSTOMERS

CORE COMPETENCIES FOR INNOVATIVE SOLUTIONS

Our Value Chain Management



FRAUNHOFER IPMS - ORGANIGRAM



EXECUTIVE BOARD &
MANAGEMENT



RESEARCH & INNOVATION



ENGINEERING



FABRICATION SERVICES



INFRASTRUCTURE

FRAUNHOFER IPMS

We are certified



- Ensures quality products and services
- Reliable production, scheduling and delivery
- Standards maintained by annual assessments
- Reporting and communication standards



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YOUR DEVELOPMENT PARTNER FOR MARKET SOLUTIONS!