



Fraunhofer

Korea-Fraunhofer Collaboration Hub
for Science and Technology K-FAST

We accelerate science to industry!

Korea-Fraunhofer Collaboration Hub for Science and Technology K-FAST



Ministry of Trade,
Industry and Energy



Ministry of SMEs
and Startups



Korea Institute
for Advancement of Technology



Korea Technology and Information
Promotion Agency for SMEs

About K-FAST

The Premier Korea-Fraunhofer Collaboration Hub K-FAST is Fraunhofer's official collaboration platform dedicated to Korea, launched in 2024 under the auspices of Korea's Ministry of Trade, Industry and Energy (MOTIE) and spearheaded by KIAT through the Global Industrial Technology Cooperation Center (GITCC) program.

K-FAST is now evolving into an integrated cross-ministerial platform. Designated as a strategic partner within the Ministry of SMEs and Startups (MSS) and the Korea Technology and Information Promotion Agency for SMEs (TIPA)'s Global R&D program, K-FAST is expanding its reach and influence, serving as a gateway for bilateral R&D between Korea and Germany across government agencies and industries.

Profile of Fraunhofer-Gesellschaft and K-FAST



Objectives

01 Identify/analyse/match cooperation demand for R&D consortium

02 Planning/consulting/developing **cutting-edge** R&D proposals with Korean consortiums, along with their evaluation. Focusing on **challenging but market-valuable topics** which are not, or are barely, plausible in Korea yet.

03 Organizing/executing **Feasibility study and Scale-up solution**

04 Designing Fraunhofer-oriented, i.e. **"Field-focused", training programs** for Korean Industry project partners which will be running during a R&D project. Goal is to enable Korean industry to optimize technology learning and transferring process.

05 Fostering and expanding networks through events, such as the annually held Battery Days.

Cofounders

- Fraunhofer IKTS (Dresden)
Headquarter of K-FAST
- Fraunhofer FEP (Dresden)
- Fraunhofer HHI (Berlin)
- Fraunhofer IAP (Potsdam)
- Fraunhofer IISB (Erlangen)
- Fraunhofer IPT (Aachen)
- Fraunhofer IWKS (Hanau)
- Fraunhofer IWS (Dresden)

Members

- Today, 38 Fraunhofer institutes across Germany are active K-FAST members, offering unmatched technological capabilities across a wide spectrum of industrial demands from Korea.

Status

Designated Universities and Research Institutes under the Programs

GITCC

Global Industrial Technology
Cooperation Center



Ministry of Trade,
Industry and Energy



- **Fraunhofer K-FAST** (since April 2024)
- MIT-Massachusetts Institute of Technology
- Johns Hopkins University
- Yale University
- Purdue University
- Georgia Institute of Technology
- UCL-University College London
- University of Toronto

TIPA Global R&D



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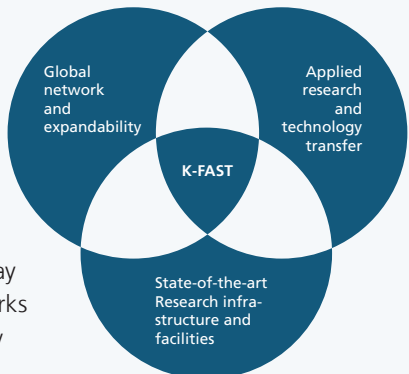
- **Fraunhofer K-FAST** (since March 2025)
- Steinbeis Europa Zentrum
- Purdue University

Action

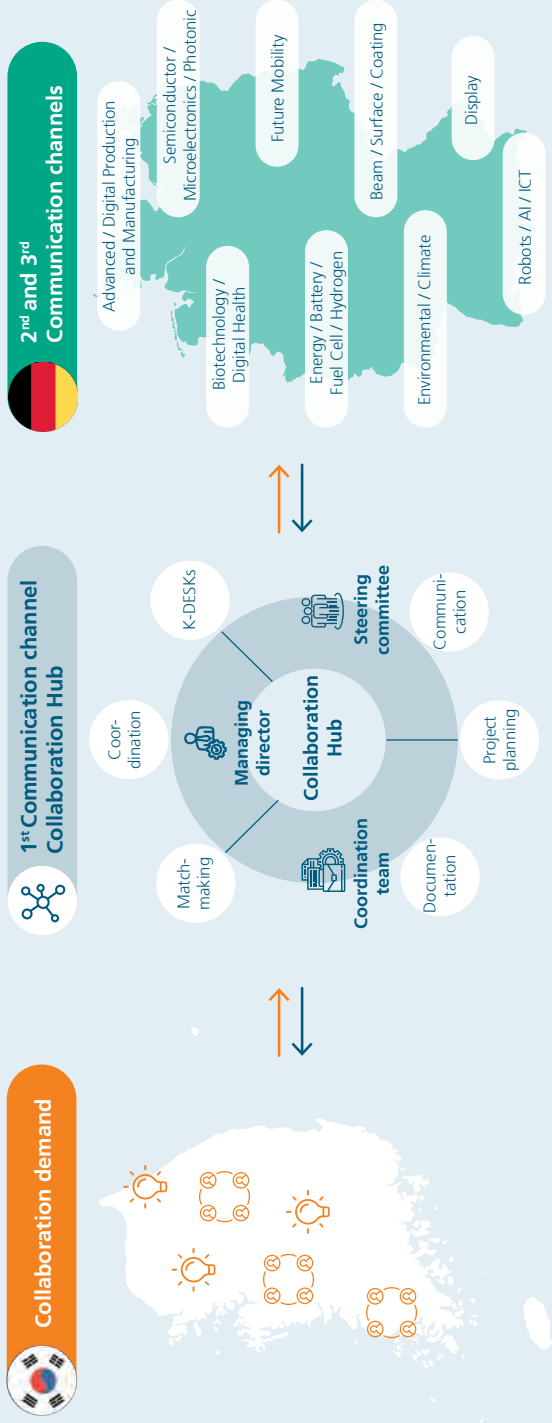
- **On-site collaboration** for dispatched Korean project partners by **K-DESK and Technology Coordinators**
- Sustainable collaboration platform through multi-lateral partner networking and quality management by K-FAST

General Topics

- Energy/Battery
- Bio/Health care
- Future mobility
- AI/Robot
- Aerospace/Marine
- Semiconductor/Display
- Cybersecurity/Networks
- Quantum Technology



Multi-Layered Communication and Coordination System for Joint R&D Initiatives



Sophisticated Bidirectional Channels for Communication and Task Execution

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