

# Fraunhofer-Institut für Keramische Technologien und Systeme



## GENERAL INFORMATION

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URL	www.ikts.fraunhofer.de
Year of foundation	1992
type of organisation	research organisation
Aim/role with respect to the transfer process	As a research and technology service provider, the Fraunhofer IKTS develops advanced high-performance ceramic materials, industrial manufacturing processes as well as prototype compo-nents and systems in complete production lines up to the pilot-plant scale. In addition, the research portfolio also includes mate-rials diagnostics and testing. The test procedures in the fields of acoustics, electromagnetics, optics and mi-croscopy contribute sub-stantially to the quality assurance of products and plants. Support in the exploitation of R&D results (technology transfer): - Identification of suitable technology offers for a transfer - Support in the target-group-specific prepa-ration and provision of technology offers for various communication and acquisition channels - Identification of potential coop-eration partners - Company and market re-search, support in exploitation concepts. Creation and implementation of strategic communication concepts: -Transformation of comprehensive technology offerings into tar-get group-oriented communication of-ferings for various media channels - Concep-tion and accompanying organization of highly personalized transfer events

Transfer topics	Materials and Processes, Mechanical and Automotive Engineering, Energy, Environmental and Process Engineering, Electronics and Microsystems, Bio- and Medical Technology, Optics, Materials and Process Analysis
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## OFFERED TRANSFER ACTIVITIES

### services in terms of the identification and description of innovative and economically applicable ideas

- identification of current research results in research institutions, universities (e.g. using technology scouting)
- foster scientists in the description of the exploitable idea, focussed on its application in enterprises
- technology assessment according to technical, legal and economic aspects (such as technology maturity level, patentability, standard conformity, necessary licensing procedures)
- determination of the potential technology users' (licensees) needs and requirements

### services in terms of the dissemination of innovative and economically applicable ideas

#### *publish and disseminate*

- portfolio of patents: own patents and patents of research institutions, universities
- user-oriented descriptions of the idea (technology), (*such as technology offers and technology files*)

#### *publication modes and media*

- various print media
- data-bases, online platforms, websites introducing innovative ideas
- newsletters/RSS
- brokerage and information events (events bringing together developers and potential users)/ meetings introducing economically applicable research results
- demonstrators

## services to bring together parties that could be relevant for the application of new ideas and technologies

- implementation of visits in research institutes or enterprises
- implementation of meetings, workshops, conferences (e.g. for initiating and intensifying contacts between science and business, for discussing detail information about innovative ideas and technologies)
- organisation of topic-specific workshops, fairs or similar activities in order to foster special ideas
- initiating and presenting/ moderating bilateral and subject-specific discussions held by technology suppliers and potential users

## services in terms of the preparation of economic exploitation of an (innovative and economically applicable) idea/ technology

- contract research (e.g. initiating, bringing together the potentially exchanging parties, project management)
- research cooperation
- consulting on technical issues in order to support the final implementation of new technologies or processes in enterprises: (e.g. support for adapting new technologies to the existing equipment in the company))
- consulting to find out and make use of the resources required for the final implementation of new technologies or processes in enterprises
- concepts for and execution of qualification measures for the future personnel focussed on the exploitable idea/ technology
- boosting acquisition of financing or funding of the defined transfer, specification of funding sources (e.g. regional, national, EU funds)
- initiation and supervision of the personnel exchanged between research facilities and enterprises
- spin-off creation by your organisation

## services of the economic exploitation of innovative and economically applicable ideas

- supporting patent exploitation/ licensing (e.g. patent search; market analysis, foundation consulting)
- support of licensing (e.g. market analysis, legal consulting)
- supporting implementation of spin-offs based on innovative ideas/ technologies

## Advancement of economically applicable and innovative ideas or research fields

- establishment of institutional structures for the cooperation between science and economy
- initiation and implementation of tools that do not follow an institutional structure (networks, discussion groups, alliances, clusters)

## geographical area of transfer activities and services

- regional

- national
- cross-border
- European-wide
- World-wide

## TARGET GROUPS

### kind of organisation

- predominantly organisations offering or developing innovative ideas/ new technologies
- predominantly organisations demanding for innovative ideas or new technologies

### businesses of target groups

- Agriculture, forestry and fishing
- Mining and quarrying
- Manufacturing
- Electricity, gas, steam and air conditioning supply
- Water supply; sewerage, waste management and remediation activities
- Construction
- Wholesale and retail trade; repair of motor vehicles and motorcycles
- Transportation and storage
- Information and communication
- Professional, scientific and technical activities
- Education
- Human health and social work activities

### number of employees of target group organisation(s)

1 - 10, 10-99, 100-499, >499