

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 components and systems in complete production lines up to the pilot-plant scale. In addition, the research portfolio also includes materials diagnostics and testing. The test procedures in the fields of acoustics, electromagnetics, optics and microscopy contribute substantially 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 preparation and provision of technology offers for various communication and acquisition channels - Identification of potential cooperation partners - Company and market research, support in exploitation concepts. Creation and implementation of strategic communication concepts: -Transformation of comprehensive technology offerings into target group-oriented communication offerings for various media channels - Conception 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