

Helmholtz-Zentrum Dresden-Rossendorf (HZDR)



HELMHOLTZ ZENTRUM
DRESDEN ROSSENDORF

Technology Transfer and Innovation

GENERAL INFORMATION

Managing director, head of department	Dr. Björn Wolf
Country	Germany
adress	Bautzner Landstraße 400 01328 Dresden
telephone	+49 351 260 0
email	kontakt@hzdr.de
URL	http://www.hzdr.de
Year of foundation	2011 (member of Helmholtz-Gemeinschaft)
Number of employees, working in transfer processes	7
type of organisation	research institution
Aim/role with respect to the transfer process	

Das Helmholtz-Zentrum Dresden-Rossendorf hat das Ziel, langfristig ausgerichtete Spitzenforschung in gesellschaftlich relevanten Gebieten wie Energie, Materie und Gesundheit zu leisten. In strategischen Kooperationen mit Forschungs- und Industriepartnern werden neue, für die moderne Industriegesellschaft drängende Themenfelder bearbeitet. Ein Transfer unseres wissenschaftlichen Potenzials in die Gesellschaft geschieht unter anderem durch Auftragsforschung, Lizenzierung und Ausgründungen oder durch gemeinschaftliche Nutzung unserer High-Tech-Geräte und Anlagen.

The mission of the HZDR is excellence in long-term research in socially important issues like energy, matter and health. In strategic collaborations with partners from research and industry the HZDR contributes to solve major challenges of modern society. A transfer of our scientific potential into society is realized by contract research, licensing, the implementation of transfer-oriented projects or by joint utilization of our high-tech equipment and facilities.

Main area of the organisation's activities

Hermann von Helmholtz - wer den Namen dieses großen Universalgelehrten trägt, verpflichtet

Any institution bearing the name of the great universal scholar Hermann von Helmholtz has a responsibility to conduct research that will im-

sich, Forschung zu betreiben, die unsere Lebensgrundlagen verbessert. Schon im 19. Jahrhundert vertrat Helmholtz einen Ansatz, der Brücken zwischen Physik, Chemie und Medizin schlägt. Diesen Grundgedanken verfolgt heute das Helmholtz-Zentrum Dresden-Rossendorf (HZDR). Als Mitglied der Helmholtz-Gemeinschaft, der größten Wissenschaftsorganisation Deutschlands, beschäftigen sich die Forscher in der sächsischen Landeshauptstadt mit drängenden gesellschaftlichen Herausforderungen aus den Bereichen Energie, Gesundheit und Materie. An den acht Instituten des HZDR arbeiten etwa 1.100 Mitarbeiterinnen und Mitarbeiter an Forschungsprojekten, die von der Entdeckung naturwissenschaftlicher Grundlagen bis hin zur Entwicklung innovativer Verfahren und Produkte reichen.

prove the foundations upon which our lives depend. As far back as the 19th century, Helmholtz pursued a research approach that built bridges between physics, chemistry and medicine - three disciplines that characterize the work of the Helmholtz-Zentrum Dresden-Rossendorf to this day. As a member of the Helmholtz Association, the largest science organization in Germany, our scientists conduct research on topics drawn from the fields of energy, health and matter which are vital for our modern-day industrial society.

HZDR's eight institutes are the scientific home of approximately 1,100 members of staff, who work on research projects ranging from discovering basic principles in the natural sciences to generating ideas for new products and innovations. Our center thus continues to be inspired by Hermann von Helmholtz, whose groundbreaking work in research and development was based on theory, experiments, and practice.

main contact person for transfer

Dr. Björn Wolf

telephone

+49 351 260 2615

email

b.wolf@hzdr.de

OFFERED SERVICES

Services in term of identification and description of innovative and economically applicable ideas

- foster scientists in the description of their exploitable idea, focussed on its application in enterprises
- technology assessment according to technical, legal and economical 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

- user-oriented descriptions of the idea (technology), (such as technology offers and technology files)

publication modes and media

- data-bases, online platforms, websites introducing innovative ideas
- 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 detailed information about innovative ideas and technologies)
- 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 (e.g. support in scouting out and canvassing of funding options for the implementation of new technologies in a company, support in the management of licensing procedures)
- 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

services in terms of collective advancement of innovative and economically applicable ideas resp. research fields

- establishment of institutional structures for the cooperation between science and economy (e.g. endowed chairs, joint research institutions as a kind of public private partnership, associated institutes closely connected with universities)
- initiation and implementation of tools that do not follow an institutional structure (networks, discussion groups, alliances, clusters)
- support for the establishment of students' projects and looking after the students' work in form of preliminary studies aimed at: the preparation of the implementation of innovative ideas/ new technologies in enterprises; the application of scientific results to tackle practical problems in

enterprises; the detection of deficits and bottlenecks that could make the application of new ideas and technologies in the enterprises difficult

geographical area of transfer activities and services

- world-wide

TARGET GROUP

kind of organisation

- predominantly organisations demanding for innovative ideas or new technologies

business of target groups

- Mining and quarrying
- Electricity, gas, steam and air conditioning supply
- Water supply; sewerage, waste management and remediation activities
- professional, scientific and technical activities
- Administrative and support service activities

Number of employees of your target group organisation(s)

- >499