

About us

With around 4,800 students, HTWD is the second largest university in the Saxon state capital and is one of the top German universities of applied sciences (HAW). More than 40 study programmes are offered at eight faculties.

Our research is interdisciplinary and application-oriented in all faculties and at the institutes:

- Center for Applied Research and Technology (ZAFT)
- Institute of Building in a Changing Climate (IBiK)
- Institute for Applied Electronics (IAE)
- Center for SMEs (ZfM).

Facts and figures



150
Publications
per year



200
ongoing R&D projects



18 Mio.
Euro third-party
funds per year

5
new patent
applications
per year



60 +
ongoing
cooperative
doctorates



650 employees,
including 160 professors and
approx. 120 scientific project
employees

Learn more

Find out more about the research landscape at HTWD.

Our Research Information System (FIS) gives you an overview of current and completed projects as well as publications and ongoing doctoral projects.

Visit our Research Information System:



Get in contact with us!

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HTWD

Research and Technology Transfer



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HTWD -
**Your partner for
knowledge and innovation**

Our motivation

Research and teaching at the HTWD is focussed on specific and urgent needs of the economy and society. This is reflected both in practice-oriented student projects as well as in our research projects. We are guided by the following three interdisciplinary profile areas:



Protection of natural resources

In addition to the analysis of our natural habitat, the focus includes innovations and technologies for optimising land use, production and the circular economy combined with resource-efficient, sustainable and environmentally friendly value creation.

Developing future-oriented mobility and infrastructure

This area includes the development of future-oriented mobility concepts using low-emission drive systems. The focus is also on energy storage, distribution and conversion as well as construction and building operation using sustainable technologies.



Shaping, networking and digitalising the economy and work

Future working environments, automation and digital transformation, human-machine interaction and the design of communication, production and information processes are just as much a part of this area as business management considerations.



We support you

Our scientists at the HTWD develop ideas with a clear practical orientation - gladly in co-operation with your company.

www.htw-dresden.de/en/rt/service/externals



Research cooperation and contract research

Are you looking for a scientific answer to a question and a research partner for innovative products, processes or services? We develop feasibility studies, concepts and prototypes directly on your behalf or conduct joint research into solutions in publicly funded collaborative projects.



Scientific and technical services

The numerous laboratories and testing facilities at the HTWD enable us to process your development projects with calculations, simulations and test tasks quickly, efficiently and with the highest quality.



Trainings

We impart our specialist knowledge in training courses that are tailored to your needs. With our technical expertise and practical teaching methods, we create added value for your company.



Technology transfer

Do you want to strengthen your technological competitiveness with intellectual property rights? HTWD offers you the opportunity to participate in our university's IP portfolio, e.g. by licensing or purchasing, and thus gain a decisive competitive edge.

What characterises us

Are you interested in using our expertise? Researchers from our faculties and institutes will work hand in hand with you on your project.

Contact us!



From automation to future technologies

Our many years of experience in various fields enable us to realise a wide range of research questions and projects with you.

www.htw-dresden.de/en/contract-services



Versatile expertise

The HTWD offers a wide range of scientific and technical departments and degree courses covering many fields of research, from basic to specialised topics.



Interdisciplinary thinking, joint solutions

The exchange of knowledge and methods gives rise to innovative approaches and solutions that transcend traditional disciplinary boundaries. As part of the transfer network Saxony⁵ we pool our expertise with the five Saxon universities of applied sciences (HAW). Your mission is our motivation!

www.htw-dresden.de/en/saxony5



Support for start-ups

We actively support the founding and development of start-ups and companies. Students, alumni and researchers are supported in putting their innovative ideas into practice and successfully establishing them on the market through targeted consulting services, networks and funding programmes of the HTWD Gründungsschmiede

www.htw-dresden.de/en/entrepreneurship