

A major concern for the Profilregion Mobilitätssysteme Karlsruhe is the accessibility of the developed knowledge to a broad target group. The Dissemination Academy is the instrument that achieves the bidirectional exchange of knowledge and experience between research and industry. Hence, our industrial partners will continuously be able to benefit from the latest results of research. In exchange, the scientific partners gain insight into important practical experience and market knowledge, and will thereby be able to identify the trends and demands for research and adapt their agendas accordingly. A gain for both sides!

Additionally, a number of courses, talks, workshops, etc. will be arranged to provide access to the research topics and results to a wider society.

Moreover, we maintain a regular exchange of dialog with political actors and other organisations to adequately perceive and integrate societal needs.

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### PROFILREGION-KA.DE



EFFICIENT  
INTELLIGENT  
INTEGRATED



PROFILREGION  
MOBILITÄTSSYSTEME  
KARLSRUHE

Research cluster for the cross-organisational bundling of research activities in the field of mobility systems in a High Performance Center

## Mission

The Profilregion Mobilitätssysteme Karlsruhe stands for the interconnection of local partners in the field of mobility research for the purpose of collaboratively developing efficient, intelligent and integrated future mobility solutions in a High Performance Center.

## Research Institutions

As founding partners, the research institutions located in Karlsruhe with a focus on research on mobility systems form the scientific core:

- Fraunhofer-Institute for Chemical Technology (ICT)
- Fraunhofer-Institute for Optronics, System Technologies and Image Exploitation (IOSB)
- Fraunhofer-Institute for Systems and Innovation Research (ISI)
- Fraunhofer-Institute for Mechanics and Materials (IWM)
- Fraunhofer-Project Group for New Drive Systems (NAS)
- FZI Research Center for Information Technology
- Karlsruhe University of Applied Sciences (HsKA)
- Karlsruhe Institute of Technology (KIT)

## Partners

Around a core of research institutions, the network is constantly expanded by integrating industrial partners ranging from SMEs to major corporations. The common goals are to establish a bidirectional exchange of knowledge between research and industry, to define research agendas, to initiate joint project initiatives and to leverage synergetic potentials in the partnerships to produce maximum benefit for all partners. This forms a research cluster with partners from industry and research that cooperate strategically in the long term and thus form an extensive network of competencies for future projects.



## Focal Topics

Initially, seven focal topics were defined, each of which were addressed with a so-called initial project. These projects are structured in a way that bundles the competencies of all partners in the respective focal topic across institutions and disciplines in joint research activities. This provides for a sustainable interconnection between researchers and institutions.

Furthermore, the projects enable the active integration of industrial partners and offer an optimal starting basis to jointly define and initiate complementary, as well as continuous, future projects.

- Traffic and Mobility in a Changing Society
- Urban Mobility
- Interconnected Mobility
- Automated Mobility
- Electric and Hybrid-Electric Mobility
- CO<sub>2</sub>-Neutral and Low-Emission Mobility with Internal Combustion Engines
- Integrated Lightweight Design for Future Mobility

