



Federal Ministry  
of Education  
and Research

# The Flexible Electrical Networks Research Campus

Research Campus – Public-Private Partnership  
for Innovation



# Flexible Electrical Networks

The aim of the Flexible Electrical Networks (FEN) Research Campus is to develop innovative technologies for the electricity grids of the future which will handle large shares of energy from renewable and decentralized sources.

The key research question is how to integrate direct current (DC) technology into the energy supply system of the future. Researchers from various institutes of RWTH Aachen University are working with German and international partners from different sectors of industry to answer this question. For example, they plan to construct a medium voltage direct current (MVDC) grid on the campus of RWTH Aachen University that will later be put into test operation. They are also considering non-technological aspects such as urban development and issues of societal acceptance. This research cooperation involving partners from science and industry under the roof of the FEN Think Tank on the RWTH Aachen Campus Melaten enables a direct and intensive exchange of knowledge. Moreover, the location of the research campus in Aachen in the border region between Germany, the Netherlands and Belgium is perfect for making its work known in other European Member States.

**FORSCHUNGS  
CAMPUS**

öffentlich-private Partnerschaft  
für Innovationen



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CAMPUS  
**FLEXIBLE  
ELEKTRISCHE  
NETZE**

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E.ON ERC, (c) Peter Winandy

## Published by

Federal Ministry of Education and Research (BMBF)

Division "New Innovation Support Instruments and Programmes"

11055 Berlin, Germany

[www.bmbf.de](http://www.bmbf.de)