

FEN, Living Lab Hub | Project description

The “Living Lab Hub” project is part of the “Flexible Electrical Networks” Research Campus. The advantages and technical feasibility of DC technology have been demonstrated in various pilot installations worldwide. However, large-scale, long-term infrastructure projects that dominate the energy sector still involve substantial investment requirements and considerable financial risks.

To enable the timely market diffusion of DC technology, flexible, scalable, and vendor- as well as application-independent DC solutions are needed. These solutions should serve as building blocks for a bottom-up and competitive energy transition. Within the Living Lab Hub, the FEN Research Campus is developing suitable concepts to demonstrate the availability of DC technology for key target groups and to establish DC as a technical standard solution wherever feasible.

The Living Lab Hub project is led by Prof. Dr. Stefan Böschen (Chair of Society and Technology). The following leads and their teams are also involved:

- Prof. Dr. Reinhard Madlener (Institute for Future Energy Consumer Needs and Behavior)
- Prof. Dr. Susanne Mützer-Niewöhner (Institut of Industrial Engineering and Ergonomics)
- Prof. Dr. Frank Lohrberg (Institute of Landscape Architecture)
- Prof. Christa Reicher (Chair of Urban Design and Institute for Urban Design and European Urbanism)

The 'Living Lab Hub' project is funded by the Federal Ministry of Research, Technology and Space (BMFTR) under funding code 03SF0792.

FEN, Living Lab Hub | Declaration of Consent

By joining the “DC-Buildings Information, Learning & Dialogue Network” (DC-BUILD Network), I consent to the use of the data I provide during events and correspondence for research purposes within the framework of the FEN research project “Living Lab Hub,” as described below.

I agree that researchers may publish articles, reports, or similar materials containing information I have provided.

I also consent to being quoted directly, provided that my name will not be published and that either a description of my role or a fictional name (pseudonym) is used.

Furthermore, I am aware that I may withdraw my consent at any time without providing reasons by contacting the group administrator.