



Mission of PowerLabDK

To provide internationally leading experimental facilities in all scales within electric power and energy supporting cutting-edge research, technology development and education in order to meet the future needs of society and industry.

Vision of PowerLabDK

To be a driving force for groundbreaking new knowledge and innovative technologies within electric power and energy created in a dynamic and open environment of collaborating researchers, professionals and students from companies and universities.



Existing facilities are upgraded, extended and interconnected based on a 18 million Euro funding coming from the Danish Energy Agency -Energiteknologisk Udviklings- og Demonstrationsprogram (EUDP) and Green Labs DK, Regional Growth Forums, Danish energy companies and industry as well as the PowerLabDK partners.

- Demonstration
- Testing
- Research & training
- Technology development



PowerLabDK partners

Technical University of Denmark
www.dtu.dk

Centre for Electric Power and Energy
www.elektro.dtu.dk/CEE

Østkraft,
the energy company of Bornholm
www.oestkraft.dk



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Welcome to PowerLabDK

OPEN FOR ALL
SELF-SERVICE
FULL-SERVICE
YOU DECIDE

World-class experimental platform for technology development, testing, demonstration and training within electric power and energy



Demonstration

Testing

Research & training

Technology development

OPEN FOR ALL SELF-SERVICE | FULL-SERVICE | YOU DECIDE



Developing our future energy system

PowerLabDK is an experimental platform for electric power and energy. The PowerLabDK facilities create a unique multi-purpose platform, ranging from flexible fundamental research laboratories to large-scale experimental facilities and a complete full-scale power distribution system that proves resourceful as data source and platform for full-scale experiments.

PowerLabDK is a test bed for experiments within smart grids and sustainable energy technologies that will enable a future low-carbon energy system mainly based on renewable sources. PowerLabDK supports collaborative activities, knowledge transfer and welcomes academic as well as commercial users.

Complimentary facilities

PowerLabDK provides complimentary experimental facilities for research, technology development, commercial testing and training within electric power and energy.

- ▶ Smart Community Bornholm
- ▶ Electric Lab
- ▶ High Power Lab
- ▶ High Voltage Lab
- ▶ Control Center Lab
- ▶ PowerFlexHouse
- ▶ Power Student Lab
- ▶ SYSLAB
- ▶ Energy System Simulation Lab
- ▶ Converter Lab
- ▶ Drives Lab
- ▶ Electric Vehicle Lab

Please find detailed facility information on the sheets enclosed.

How you can use the PowerLabDK facilities

The PowerLabDK facilities can be used in your research, test and demonstration activities after entering a collaboration agreement. Our staff and collaboration partners have the technical skills, experience and knowledge about the facilities and can assist you by request.

Start the process by contacting the Innovation Manager located at the PowerLabDK Secretary.

Go to www.powerlab.dk for contact info and to read more about conditions for use of facilities.

We aspire to

- ▶ Support experiments of the highest international standards
- ▶ Support experiments which are difficult or impossible to undertake in conventional facilities
- ▶ Be open and accessible to all users - academia as well as commercial
- ▶ Support all stages of the development process
- ▶ Offer optimized conditions for knowledge transfer and commercialization of results
- ▶ Collaborate with leading facilities world wide