

Microgrids Research and Infrastructure Highlights of DERlab Members

DERIab is an international association of over 30 leading research laboratories in the field of

Karlsruhe Institute of Technology

Sandia National Laboratories

STATE STATE

distributed energy resources equipment and systems.

Microgrids (MG) research expertise and infrastructure of DERlab members comprise:

- Strategies and algorithms implementation and testing for MG management
- MG management in autonomous operation

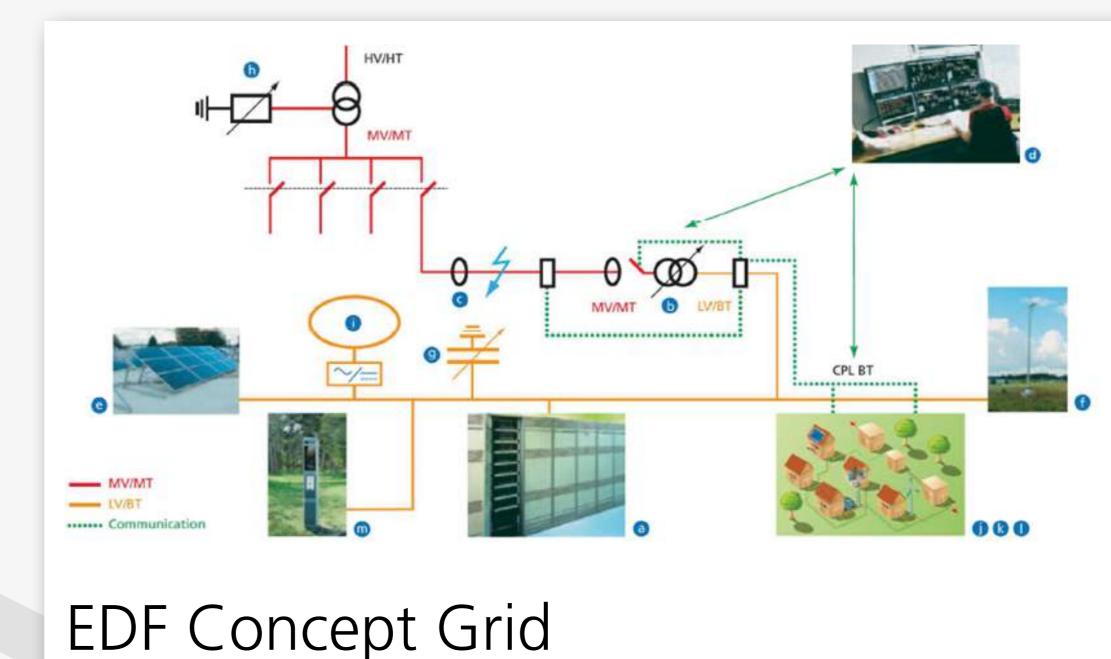
LEMCKO
Energy & Power Quality
Linergy & Power Quality

 Measurements of the static and dynamic electrical properties of DER units and networks including generators and controllable loads for interconnected and island operation

FOSS
Research Centre for Sustainable Energy

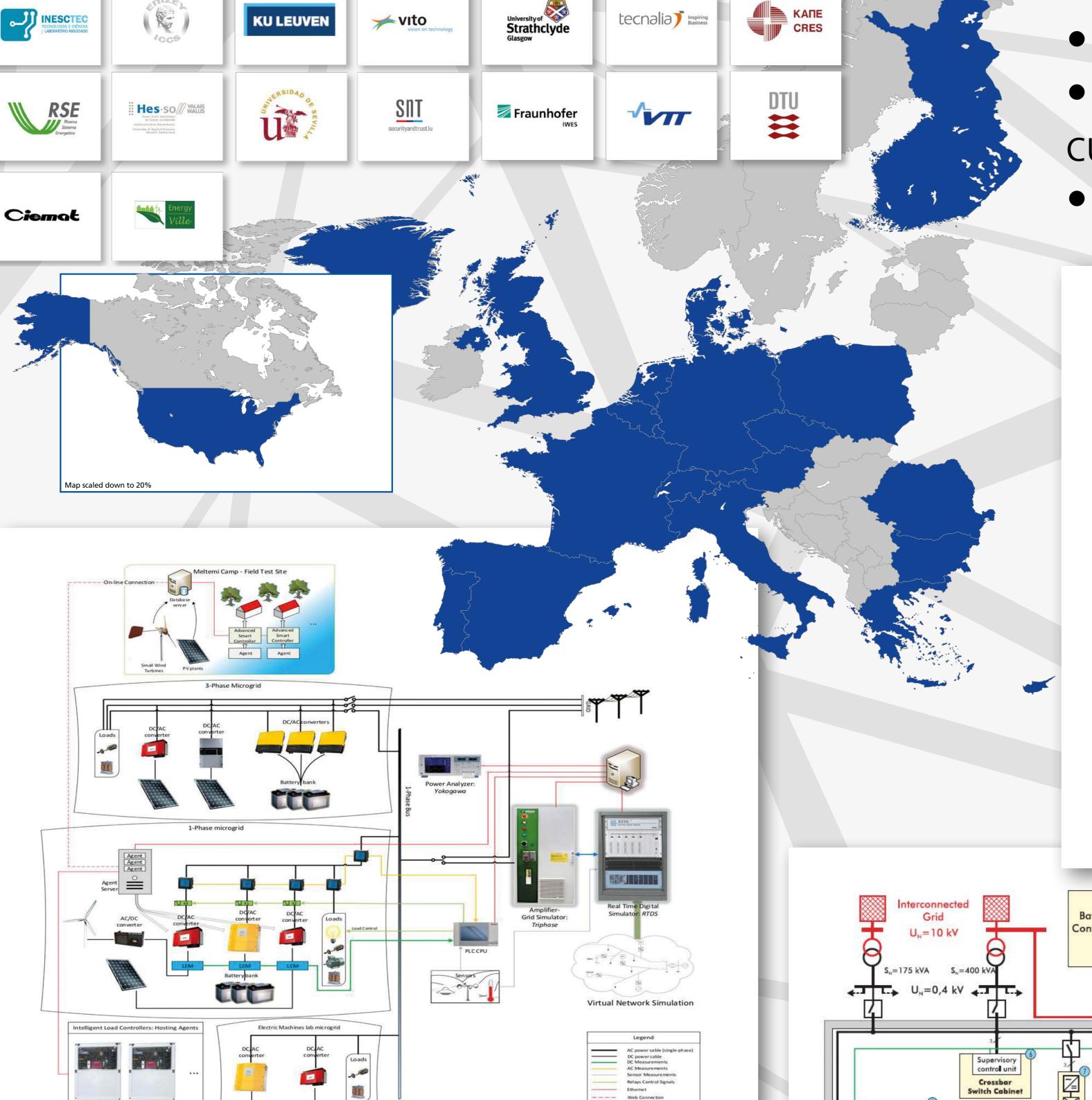
CONREL

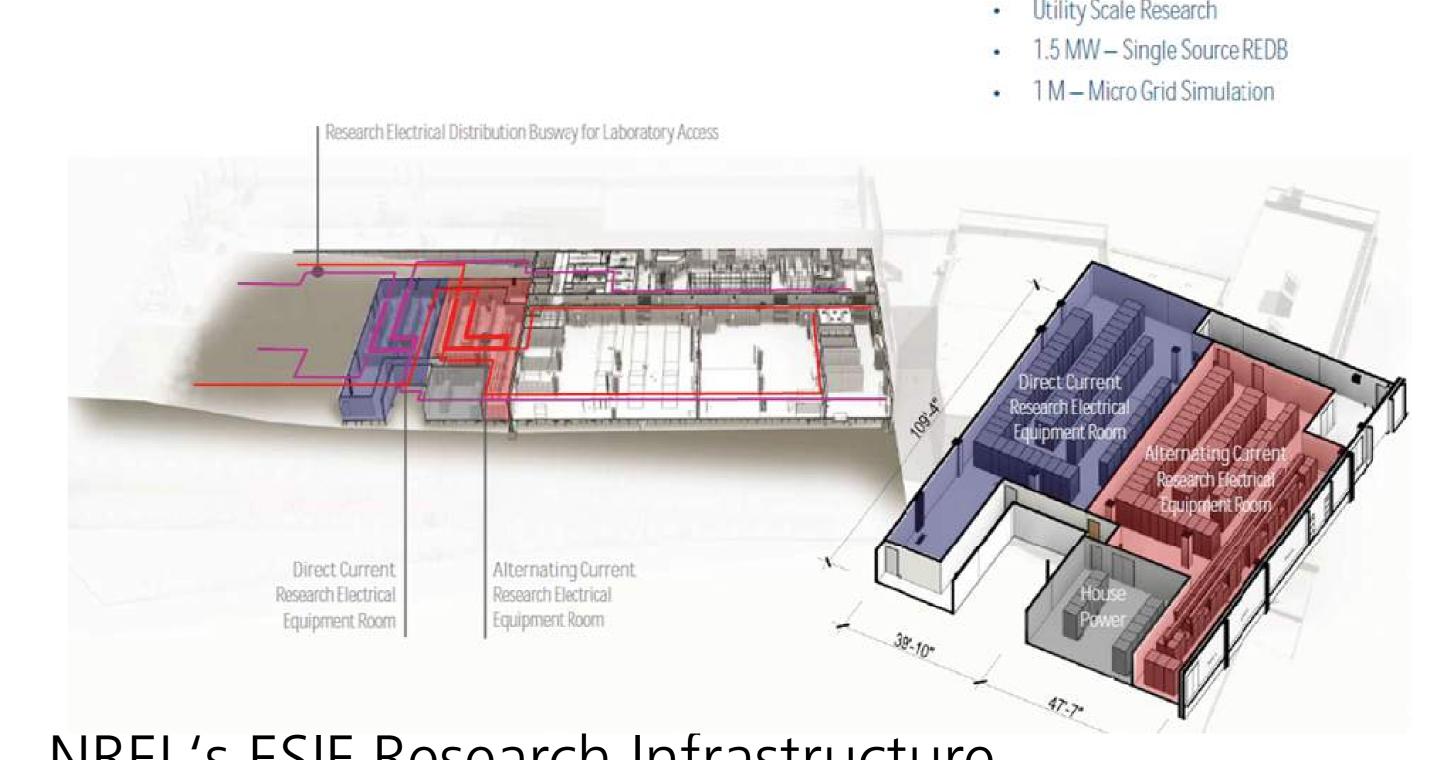
NATIONAL RENEWABLE ENERGY LABORATORY



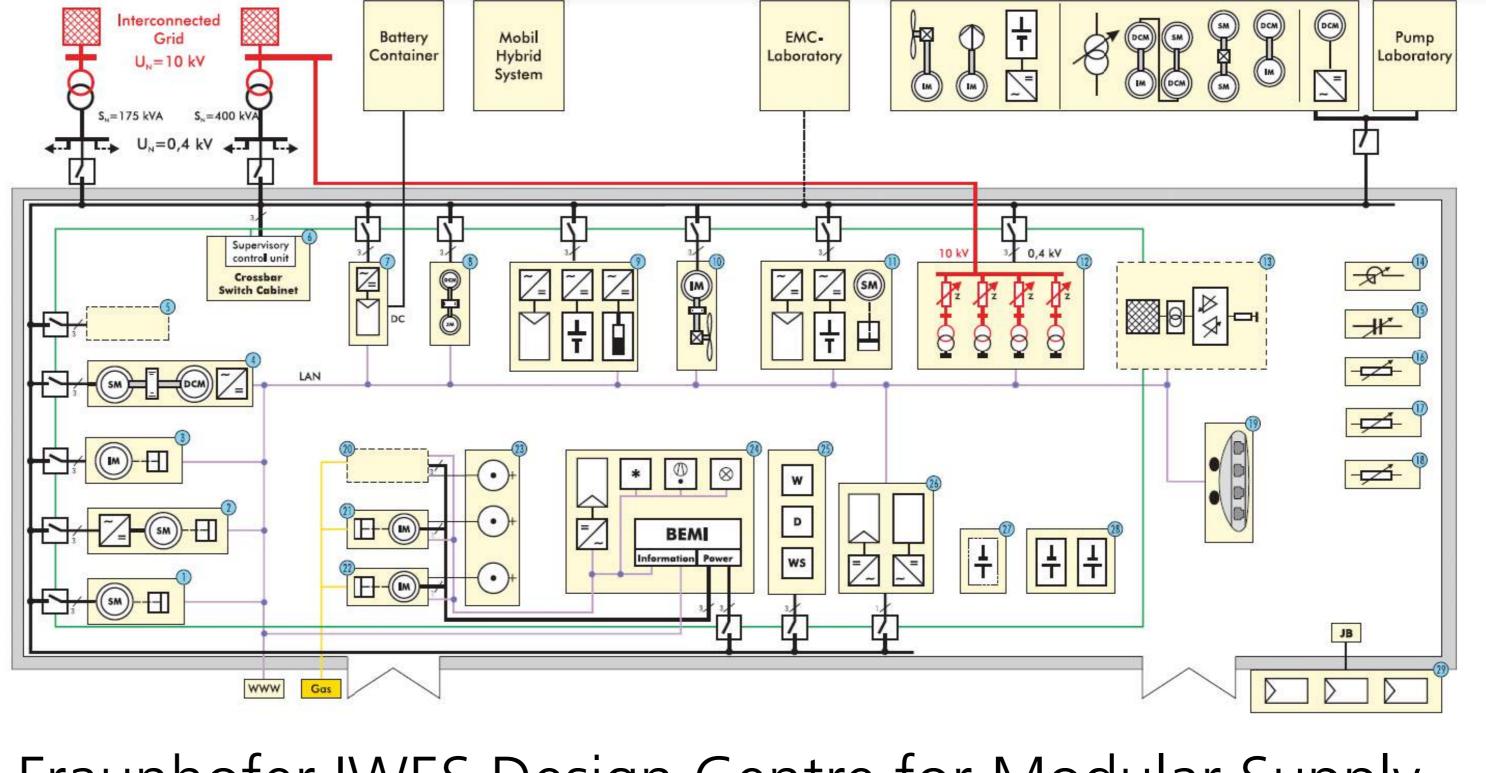


- Islanded MG operation with PHIL environment
- MG SCADA
- DC/AC microgeneration prototypes development
- State-of-the-art equipment for MG
- Flexible structure and configuration for building customised microsystems
- Versatile measuring and controlling systems for MG





NREL's ESIF Research Infrastructure



Fraunhofer IWES Design Centre for Modular Supply Technology DeMoTec

CRES Microgrid Infrastructure

NTUA Microgrids Laboratory

in Pikermi

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