

Demonstration & Training for a Resilient Heat and Power Supply in Ukraine

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Fraunhofer Energy Alliance

Exploitation of Projects -> Demonstration & Training -> Further R&D

Proposal for Short-term support and long-term co-operation



Requirements and Specification of Power Modules

Proposed Technology

Power modules ready for: emergency supply, microgrid and normal grid parallel operation

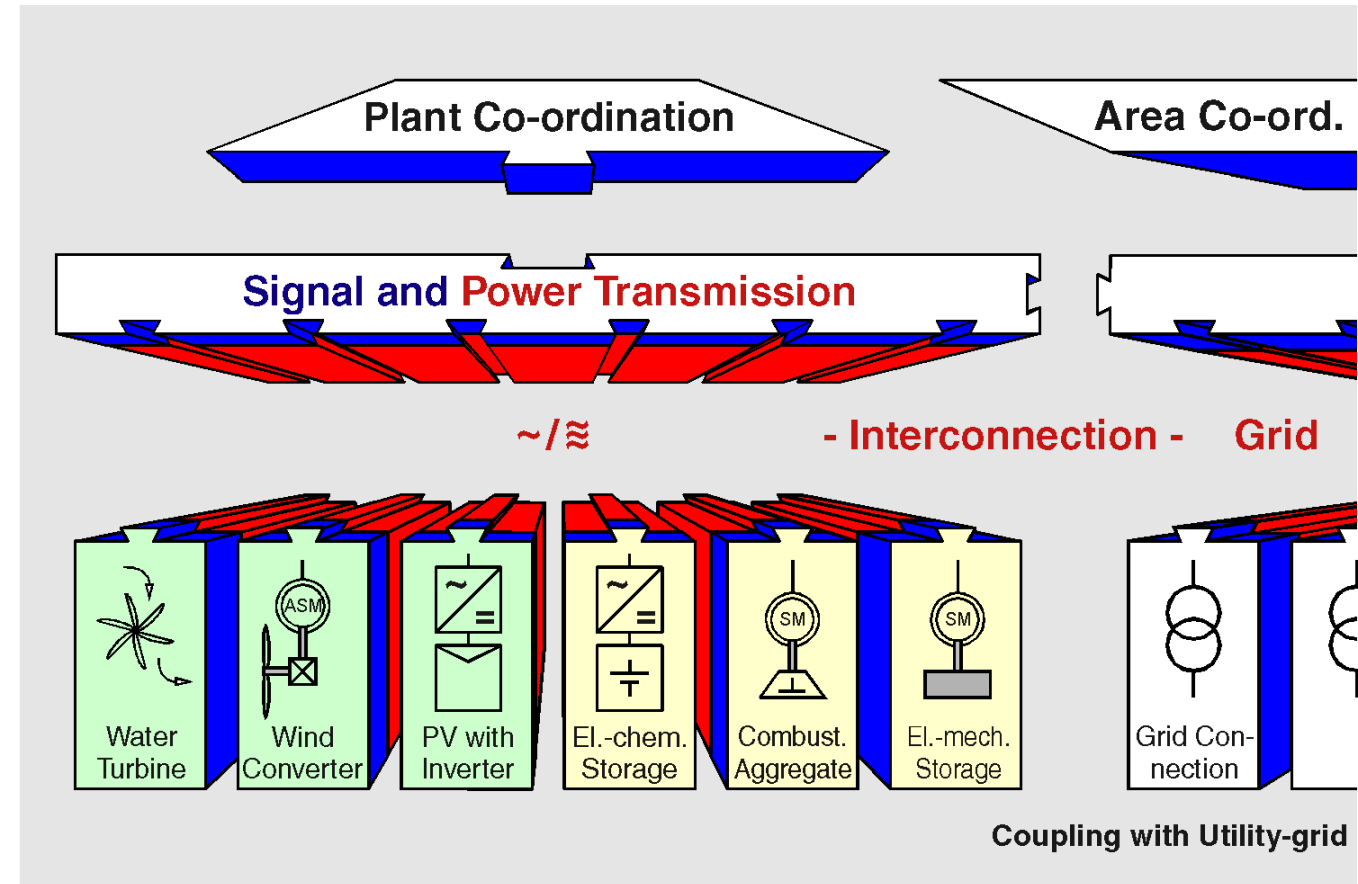
Compatibility to today's power grid

Modular, transportable structures

Reusability for future marketable operation incl. ancillary services

Increasing power system's resilience with „grid forming“ stabilising features

-> Short-term availability



Fraunhofer IEE,
SysTec Test Center

R&D, Accredited Testing & Training
@ Sandbox for Distribution Systems,
Microgrids and Modular Power Supplies

Fraunhofer IEE,
SysTec Test Center

**Definition of
Requirements**

**Specification of
Power Modules**

**System Testing:
Performance &
Resiliency**

**Demonstration
& Training**

**Series
Production**

Next Steps

Workshop 11th of July @ same place for discussing concrete projects and their financing

Fraunhofer Ukraine Recovery Initiative - Workshop “Building a resilient and sustainable energy system in Ukraine”

Date: July 11, 2024

Time: 9:00 a.m. to 5:00 p.m

Location (hybrid): Fraunhofer Eniq EUREF Campus, 23-24, 10829 Berlin

AGENDA

Identification of short, medium and long-term energy needs in Ukraine

Change towards a decentralized resilient energy system – technology, regulation, market

General conditions, financing and investment incentives

Breakout sessions to develop project ideas

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Research and Development for sustainable reconstruction
Side Event Ukraine Recovery Conference, 11-12 June 2024, Berlin



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