### About us ...

Managing the transition is one of the biggest challenges of the next years. In particular, the development of a comprehensive approach in the electricity, heat and mobility sectors is fundamentally important. Our goal is to coordinate economic efficiency, technology, climate protection and social acceptance.

The Energy Research Network Hamburg (EFH) was founded with the support of the Senate of the Free and Hanseatic City of Hamburg, as a consortium of the five major universities of Hamburg, in order to connect the diverse expertise in the energy research field and thus generate added scientific value.

With the support of:

Hamburg | Ministry of Science, Research and Equalities

Hamburg | Ministry of Economy, Transport and Innovation

Hamburg | Ministry of Environment and Energy

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EFH cooperates closely with the of Renewable Energy Hamburg Cluster Agency (EEHH). The interconnection between the EFH and the EEHH occurs through the Research Contact Point (FKS).

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# ENERGY RESEARCH

For a sustainable energy transition

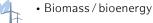




# Our key focus...

#### Renewable energies and systemdesign:

- Wind energy
  - Solar energy



- Grid integration
- Smart grids/ ICT
- Energy storage

Demand Side Management (DSM)

Urban energy efficiency

#### Mobility (in the metropolitan area):

- Electromobility
- Hydrogen
- LNG
- Mobility concepts
- Onshorepower supply
- Logistics concepts

#### Efficient heat supply and quarters:

- CHP, BTTP, heatpumps, solar heat
- Power to heat



- Heatnetworks
- Thermal storage



## Heat consumers

Thermal efficiency

# Our Objectives ...

#### Increase networking and cooperation

of the researchers at the universities of Hamburg

# Increase research funding and activities in the universities (of applied science) of Hamburg at

- EU-Level
- National Level
- Regional Level

#### Increase the (scientific) co-operation

between EFH and other national and international research institutions, as well as industry partners / companies / local stakeholders

#### Motivate sustainable innovations

in the renewable energy field, to strengthen the metropolitan region of Hamburg

# What we offer ...

**Information** about current research funding at EU, national and regional level

**Consulting for** the initiation of research projects in the area of

- Renewable energies & system design
- Mobility
- Efficient heat supply and quarters

**Excellent networking** with Hamburg research scientists, authorities and companies operating in the renewable energy field

**Support in preparing the project proposal,** as well as in bringing together the project consortium; Where necessary, support with administrative issues at the beginning of the project/communication with the project sponsor.

