

# Competence Network deENet – Structure and activities



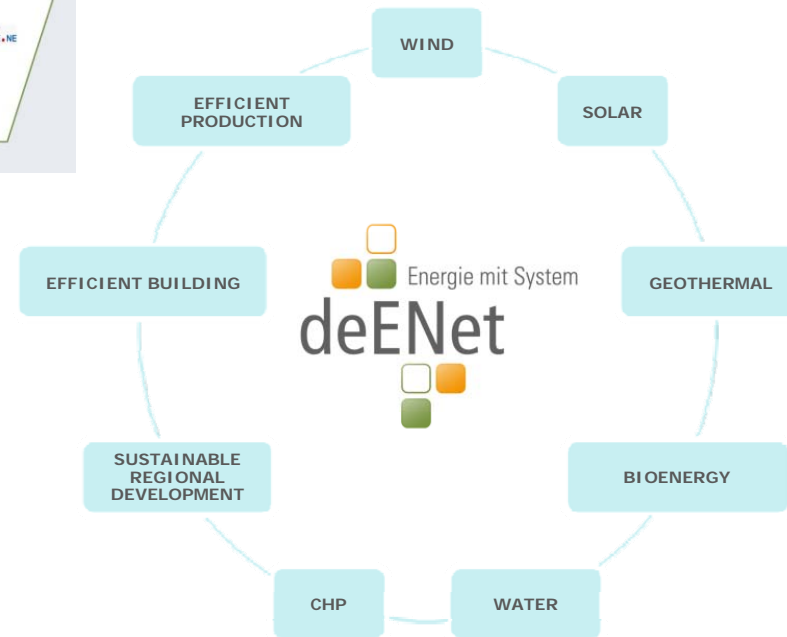
deENet e.V.  
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## deENet – Competence Network Distributed Energy Technologies



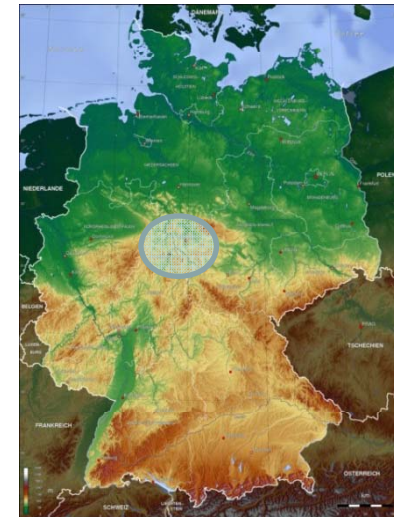
- regional network based in Kassel
- founded 2003
- appr. 110 members (companies, R&D, municipalities)

- covering the value chain in nine fields of competency



## Strategic goals of the network

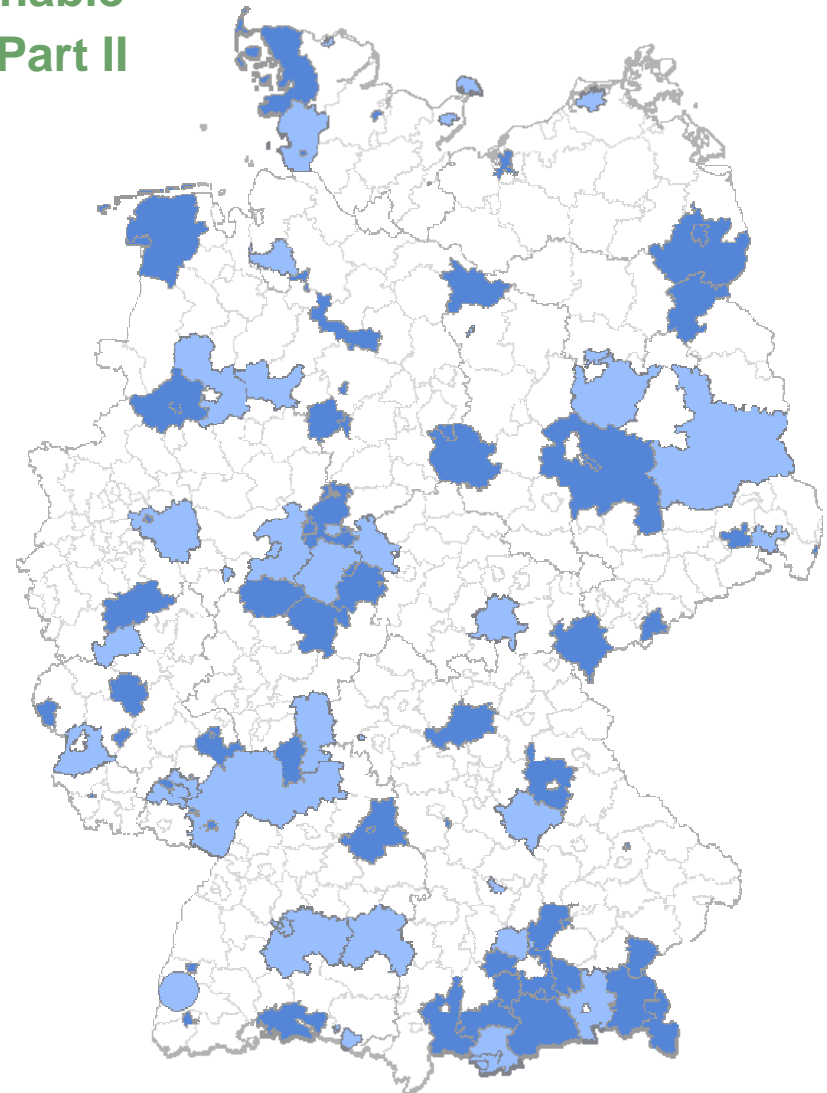
- Development of innovative products and services for the growing markets of the future (cooperative R&D)
- Making Northern Hesse a model region for decentralised Energy technologies and Energy efficiency (economic and social example)
- Strengthening regional value creation
- Creation of future-proof jobs for the region



## Project examples

### “Development prospects for sustainable 100%-RES-Regions in Germany” – Part II

- support to regions aiming at 100%-RES
- scientific analysis & feasibility studies
- political and population participation
- Public relations



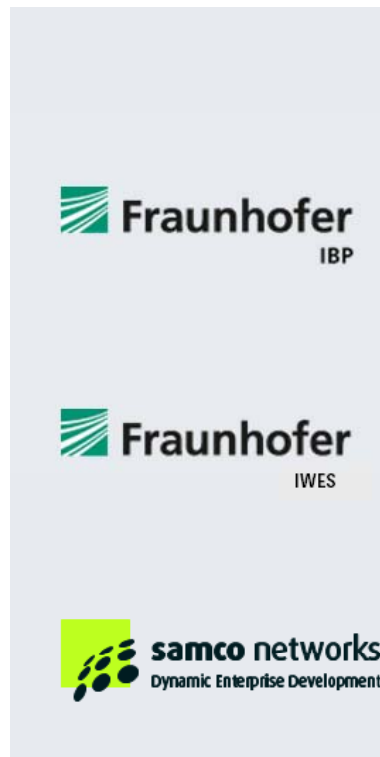
## Project examples



### New project: Regional Energy Supply 2020

**Project volume:** 1,3 mio €

**Targets:** Demonstration of the „power grid of the future“ in model city



### **New project: Regional Energy Supply 2020**

#### **1. Development of an intelligent power grid**

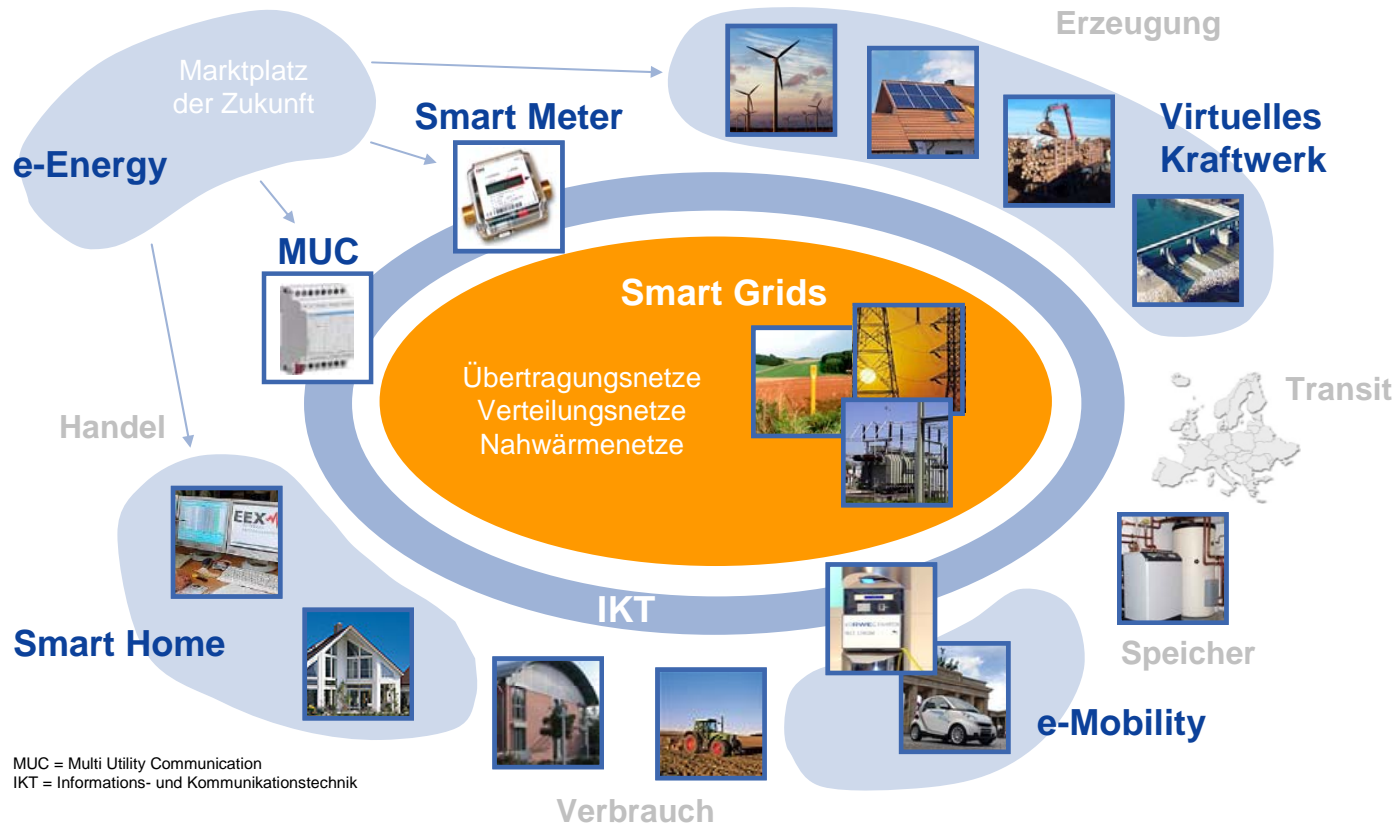
- Which need has to be covered? (Efficiency potentials)
- How can this happen at the selected place? (RES)
- In which way will the grid have to be adapted? (regulation, load control, storage)

#### **2. Development of cooperation models**

- increasing regional value creation
- cooperative development, participation of citizens
- transfer to other regions/ cities

# Project examples

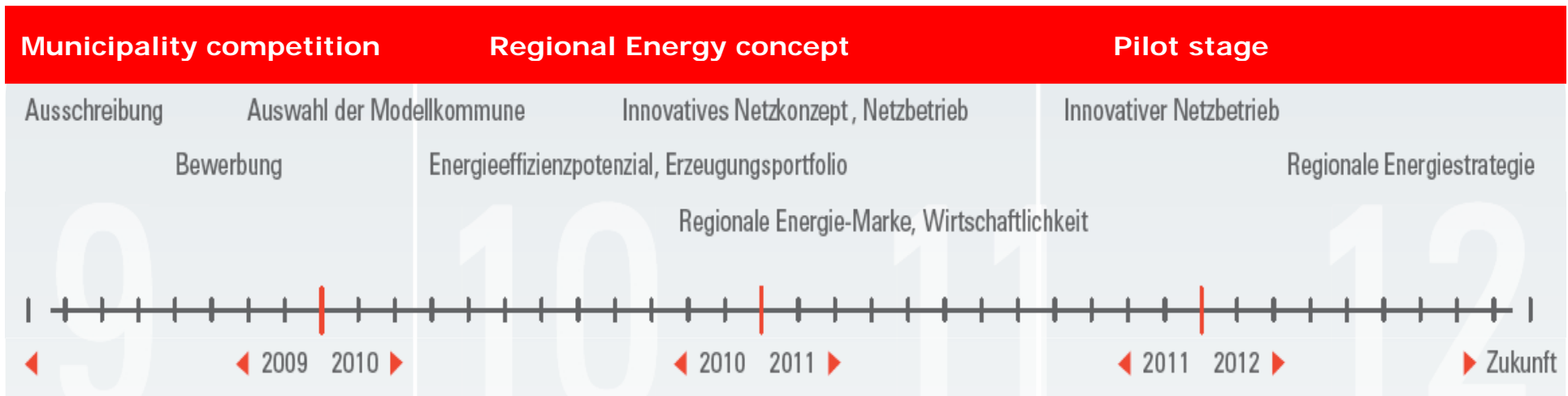
## New project: Regional Energy Supply 2020



# Project examples



## New project: Regional Energy Supply 2020



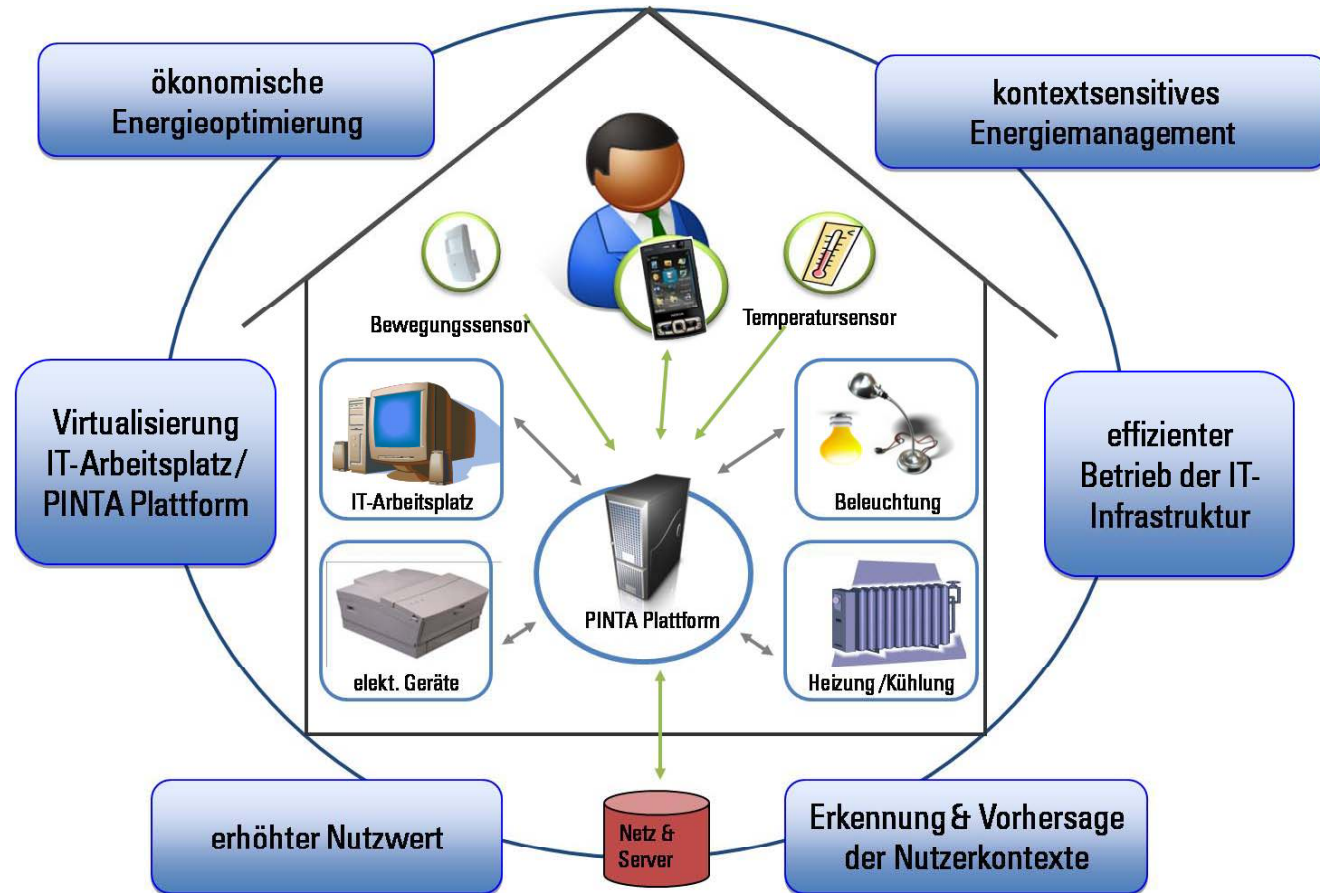
Communication process > working groups, informations events, guidance

**MUNICIPALITY CHOSEN: FELSBURG (10.000 people, several remote settlements)**



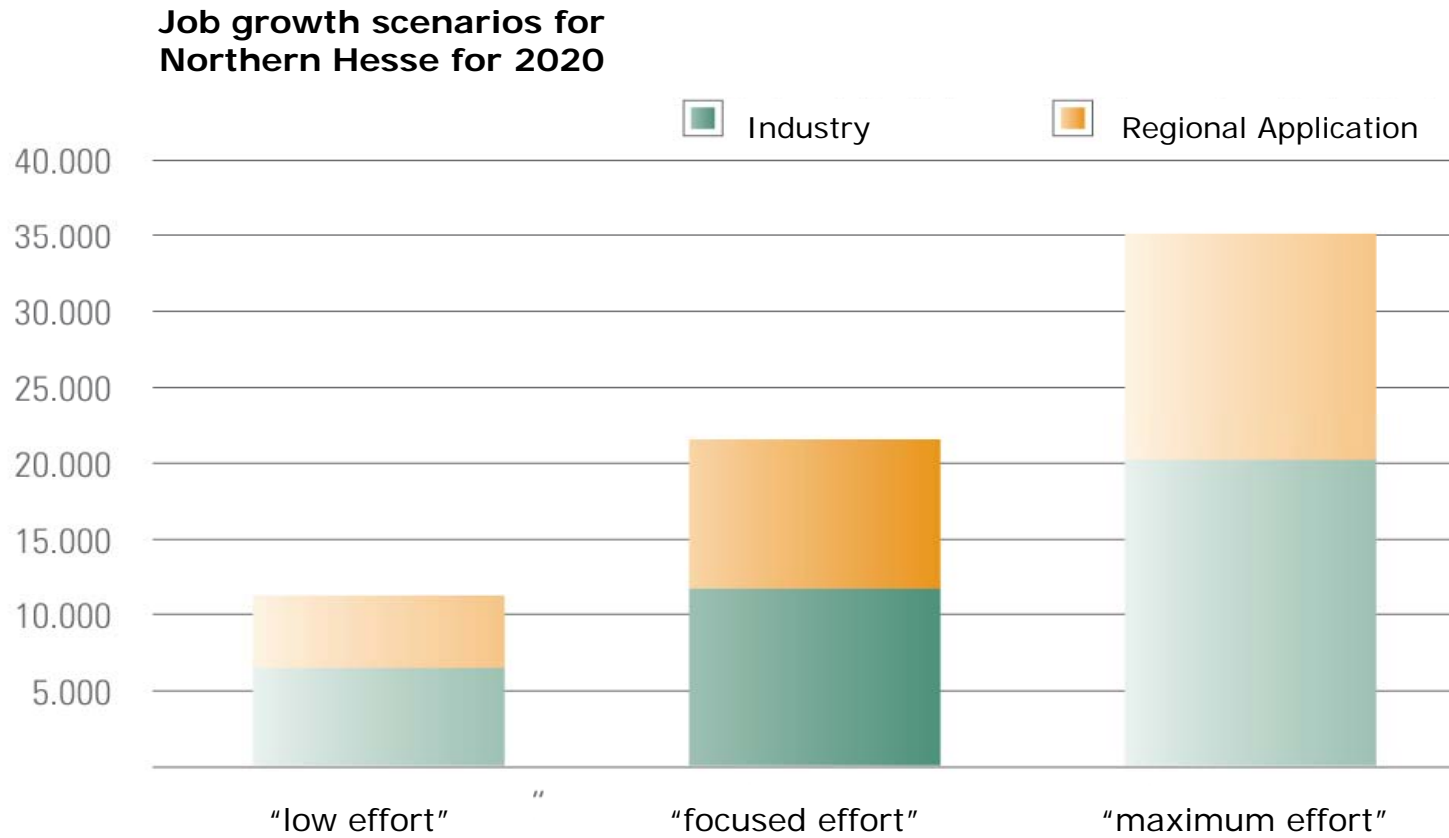
# Project examples

## Pinta - „Pervasive energy“ through internet-based communication services



# Clustering process

## Envisaged result of the regional clustering process in the „green Energy“ sector



## Clustering process

### Interim balance on regional employment 2010

	Target 2020	real 2009	%
Industrial sector	12.000	9.800	81,7
Regional implementatiojn of RES	524	367	70
Energetical redevelopment of buildings	5.004	2.484	49,6
<b>Already reached</b>	<b>17.528</b>	<b>12.851</b>	<b>73,3</b>

## New structure from 2011

- new institute for implemented decentralized Energy research projects to be founded in 2011
- shareholder: University Kassel, regional companies, regional administration, network, Land of Hesse
- higher effect on regional concepts
- bundled quality of experts for teaching and research



Thank you for listening!

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