

# **R&D storage activities in Denmark - and EU**

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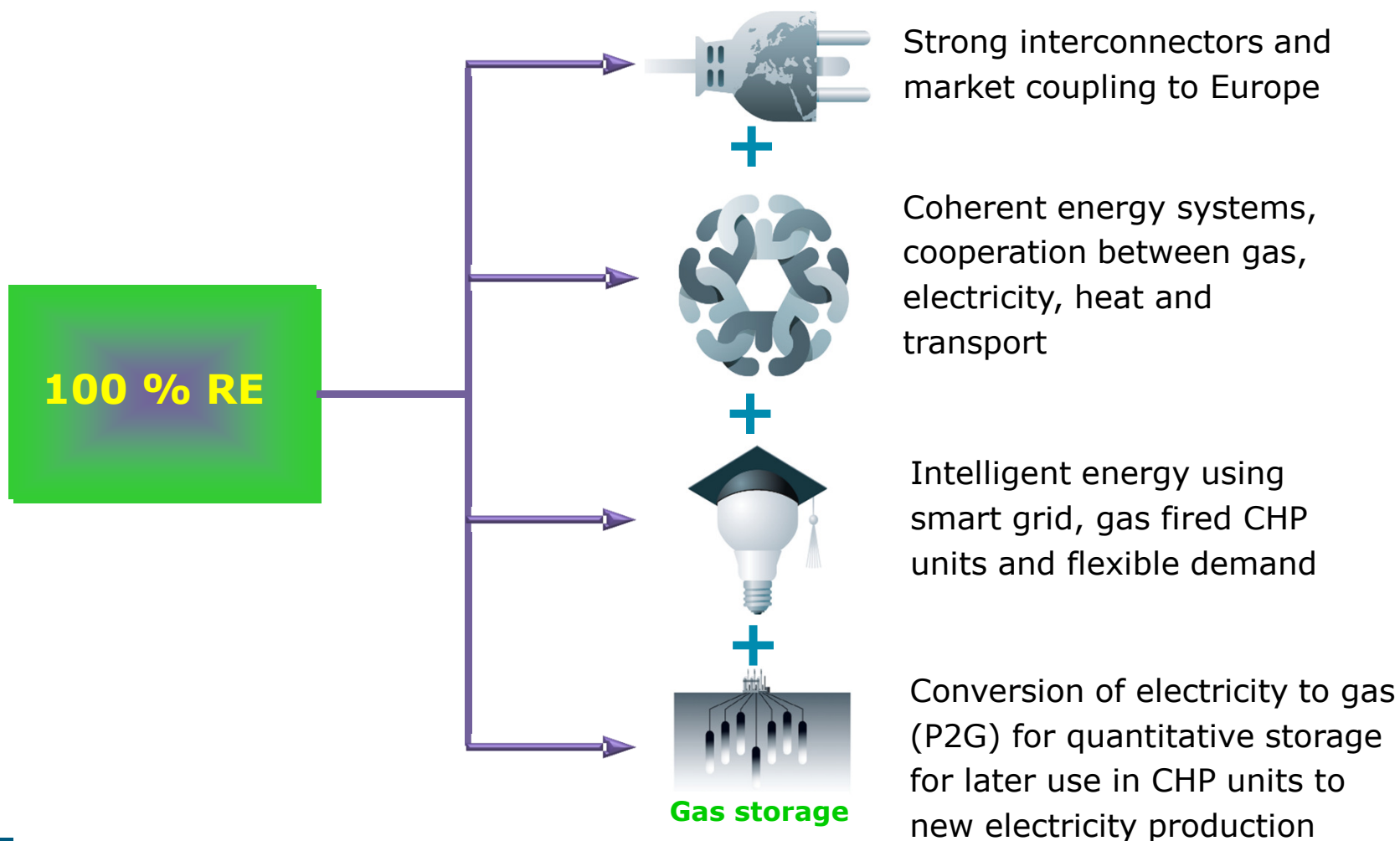


## Energinet.dk vision for the future: 2020 → 2030

### Production



### Means and solutions

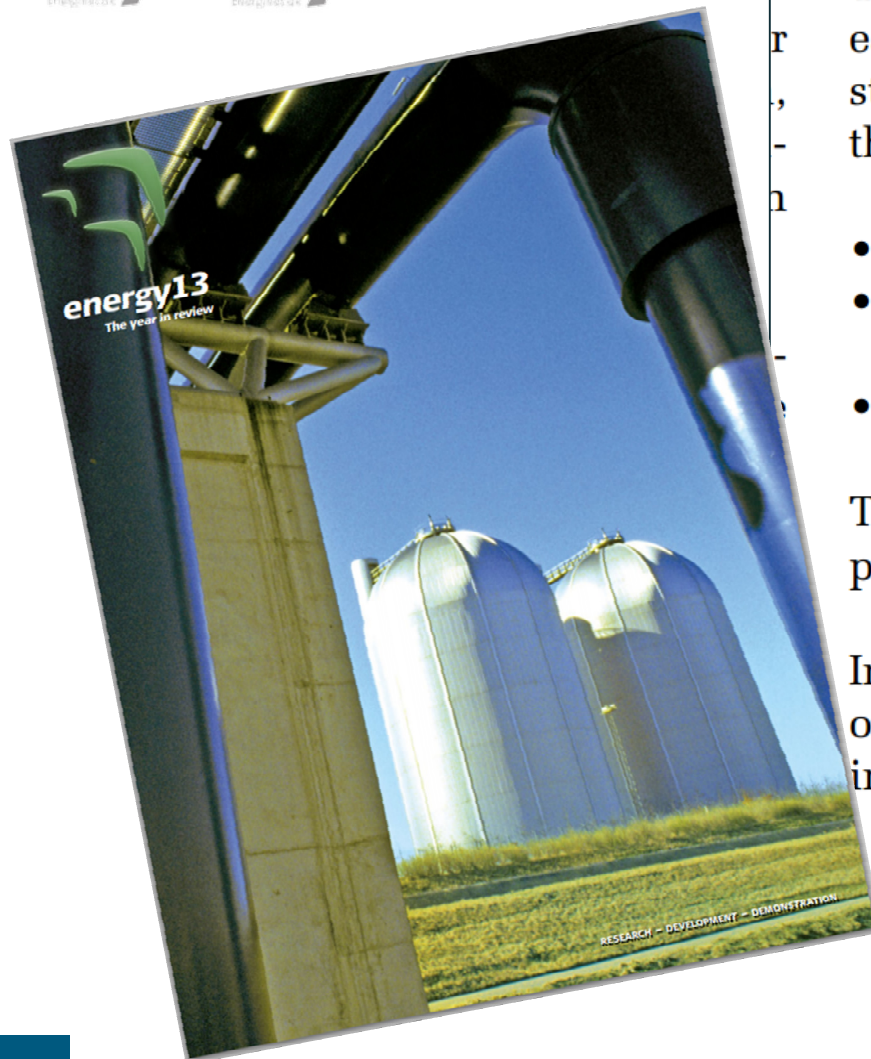


## Danish funding programmes



- Covering the whole value chain from research to demonstration
- Projects at [www.energiforskning.dk](http://www.energiforskning.dk)
  - Power to heat, wheels, gas, ...





### THREE FOCUS AREAS

The programmes agree that there are areas where there might be a special need to strengthen the cooperation and coordinate the effort. These are:

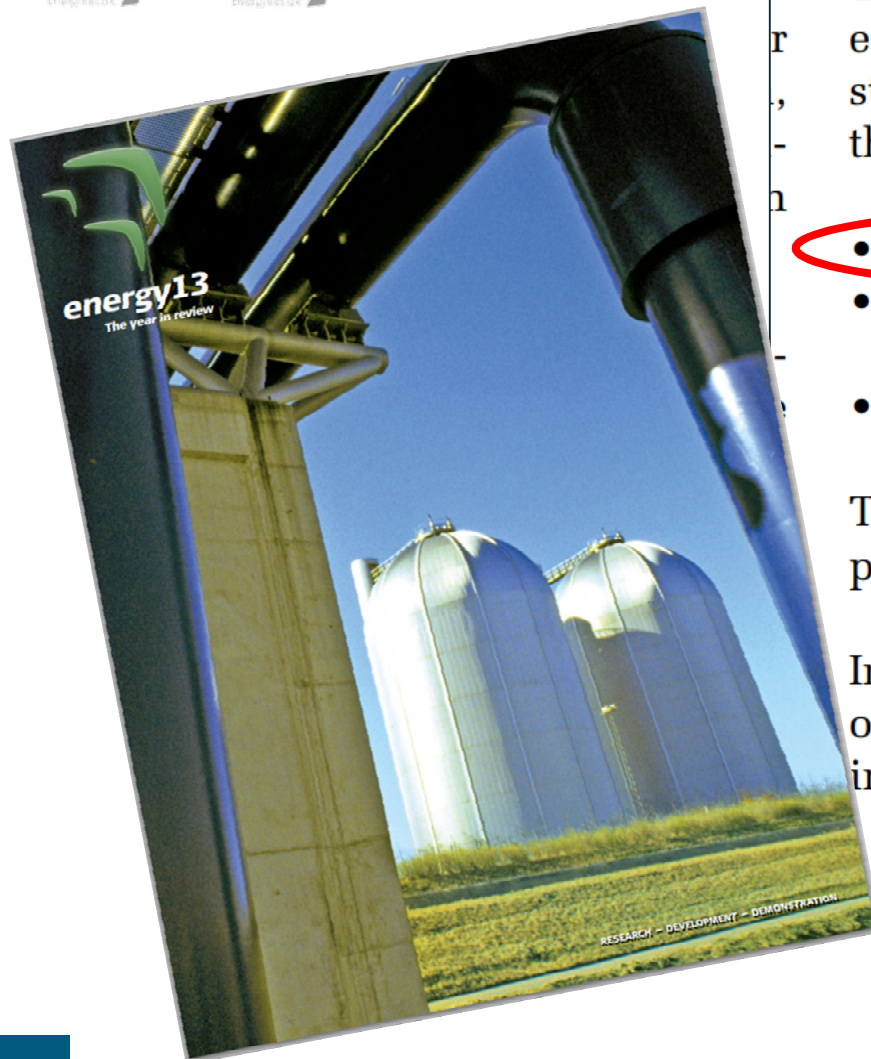
- Technologies for storage of energy
- Technologies for making the energy use in existing buildings more efficient.
- Smart grid technologies and solutions

The three areas are described on the opposite page.

In 2013, the programmes continue working on the possibilities for further cooperation initiatives.

FASTER AND MORE COHERENT FINANCING





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## **GAP analyses of R&D energy storage in a Danish context**

- Which role can energy storage play in the future, sustainable energy system
  - Where will the needs for storage/flexibility emerge in the Danish energy system
  - Danish strongholds and competences within energy storage
  - Potentials for energy storage technologies in a Danish perspective
  - Danish efforts in an international perspective
  - Recommendations for national Danish efforts
- 
- To be published January 2014





Joint EASE/EERA recommendations for a  
**European  
Energy Storage  
Technology  
Development  
Roadmap towards 2030**

[Presentation by](#)

[Allan Schroder Pedersen, DTU](#)



## Mission and objectives

- **Recommendations for R&D actions** in the timeframe of Horizon2020
- Point out **European needs and define technology areas** for R&D
- Set up **milestones**
- **Recommendations on strategic stakes** for optimising European R&D efforts
- **Identify critical energy storage technologies** and/or **technology gaps** that must be filled to meet technology performance targets
- Identify ways to leverage R&D investments through **coordination of research activities**
- Identify **regulatory hurdles and market failures** preventing the creation of business cases for energy storage.

[Presentation by](#)

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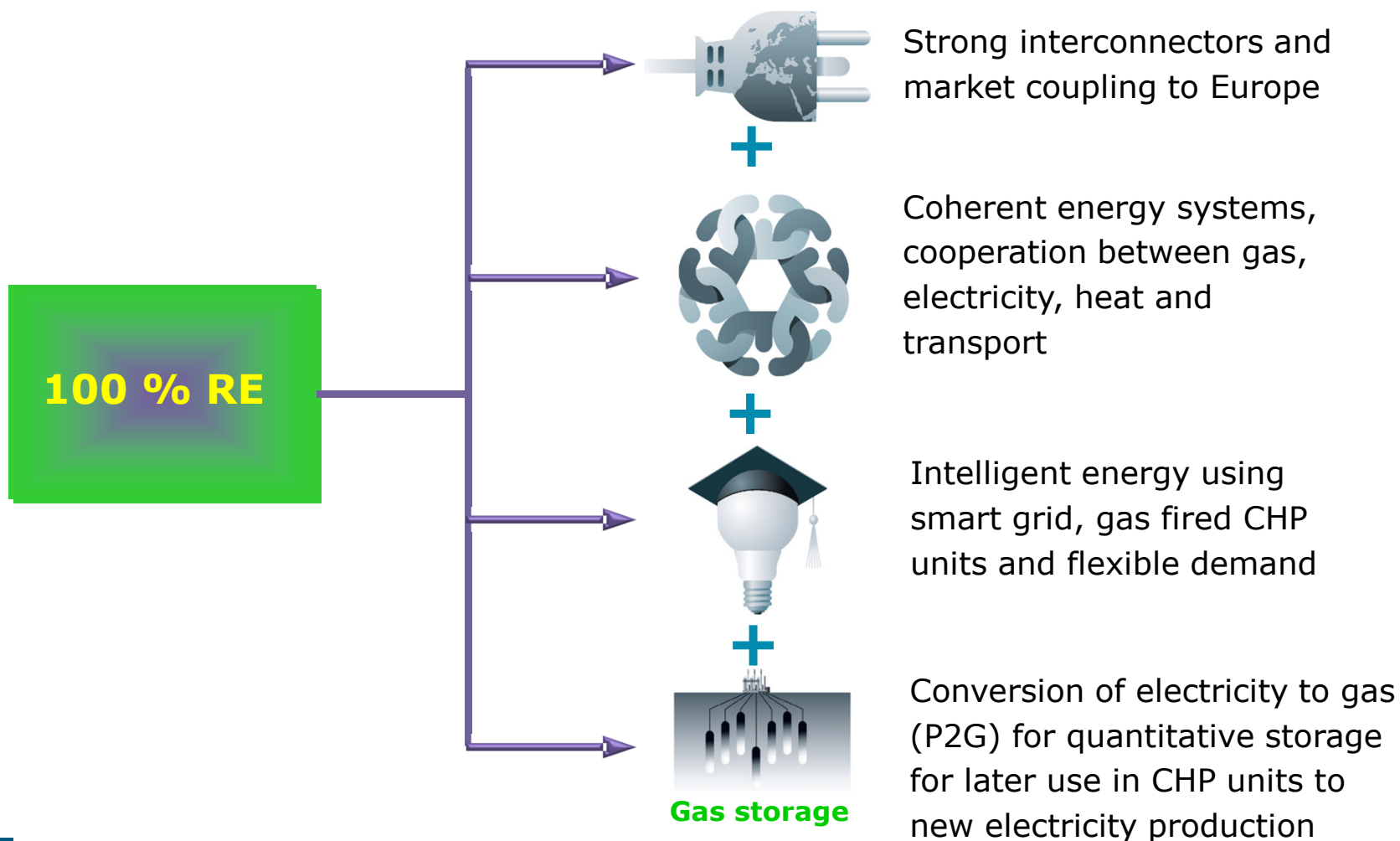


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