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The Danish Pilot:
Electrically heated swimming pools as flexible assets

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Pilot case

- 30 summer houses
- Electric heated swimming pools
- Highly flexible consumption
Pilot B Case
Coordination Scheme D

- Common TSO/DSO market
SmartNet Reserve Market

- Higher time resolution (5 min)
- Higher spatial resolution = Price areas on distribution level
- Rolling Horizon Optimization
- Advanced bid types
Setup

Price based control

Advantages
- Highly scalable
- No data safety issues
- Very low transaction costs

Disadvantage
- Estimation of reaction

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MO: Market Operator
DER: Distributed Energy Resources
The Challenge is now!

"Not the whole new load is from EVs. Lots of other electricity consuming goods are purchased in Norway these days such as jacuzzis."

www.ing.dk

Electric vehicles overloads the Norwegian grid
Consultation Document

Challenges of Defining Direct (Scalar-based) or Indirect (Price-based) Control Signals for DERs to Access the Market Directly or Through Aggregators

The purpose of this document is to present an analysis framework for various control signals and market concepts in order to set an appropriate discussion about their advantages and challenges in Pilot B of the SmartNet Project.

Please give us your feedback!
Link: http://smartnet-project.eu/consultations/consultation-5/
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Thank You

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