INTEGRATED ENERGY SOLUTIONS AND NEW MARKET MECHANISMS FOR AN EXTENDED FLEXIBILITY OF THE EUROPEAN GRID

This project has received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement n° 863927
Integrated energy solutions and new market mechanisms for an extended FLEXibility of the European grid

Electricity Forum

Flexibility provision on DSO level

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MARKETFLEX IN A BIG X-FLEX PICTURE

1. SERVIFLEX
   - Aggregators/Suppliers

2. GRIDFLEX
   - DSO

3. MARKETFLEX

SCHEDULING PROCESS
- Day-Ahead market
- Intraday and Balancing market
- Ancillary Services

FORECASTING
What we have learned and what is needed?

• **Learned:**
  - technology is there
  - There are still some reliability connection issues, but this is solvable
  - industry is interested
  - Traditional local markets is not the most suitable market design
  - **There is a need for flexibility on LV!**

• **Needed**
  - Big ICT investment
  - Methodology for DSO Ancillary services valuation
    - Flexibility in the design due to the local dependency
    - Regulatory push – make it obligatory or really making it profitable

• **Not needed:**
  - Huge traditional investment in cables
  - Complex grid tariff designs
  - Transformation of HV solutions to LV solution – not suitable
Thank you!

QUESTIONS?

For more information visit:

http://xflexproject.eu/

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