

Description of integrated pilots/demonstrations/field tests/existing practices

1. Name of the case CRISP fieldtest

2. What is integrated with DSM

DG

Energy storage

Smart grid technologies

3. What is the level of commercialization

Research project

Demonstration

Field test

Existing practice

4. Where to find more information?

- Contact person: R. Kamphuis
- Company: ECN
- web-site: crisp.ecn.nl
- references: FPS-papers

5. Objectives of the case Diminish imbalance of the portfolio of a Program Responsible Party on the electricity market by real-time monitoring and coordination

6. Business rationale/model Real-time monitoring and management of a portfolio allows control optimization in order to avoid cost paid to the TSO for causing imbalance and to operate in reverse of the real-time national imbalance signal.

7. Technologies used ICT network with PowerMatcher

8. Short description of the case See report enclosed.

9. Achieved/expected results (operational savings, CO₂, efficiency enhancement)
Imbalance reduction up to 40 %



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10. Lessons learnt : Market embedding of renewable wind is increased. Current information and communication technology allows construction of these kinds of networks.