



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

1. Name of the case: Plugwise

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
- Company See <http://www.plugwise.com/en/>
- web-site
- references

5. Objectives of the case Improve end-user awareness by monitoring per socket. Switch appliances on external information (prices etc.)

6. Business rationale/model Lower cost of electricity by local coordination of demand and supply behind the meter

7. Technologies used Zigbee, web-server, TCP/IP

8. Short description of the case Operation of a number of DG-RES generators (PV, micro-CHP) is coordinated to achieve local consumption.

9. Achieved/expected results (operational savings, CO₂, efficiency enhancement) Up to 40 % in cost in energy bill is achievable



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

10. Lessons learnt Simple hardware architecture leads to a large number of energy related applications.