

Driving Factors for Smart Grids in Different Countries

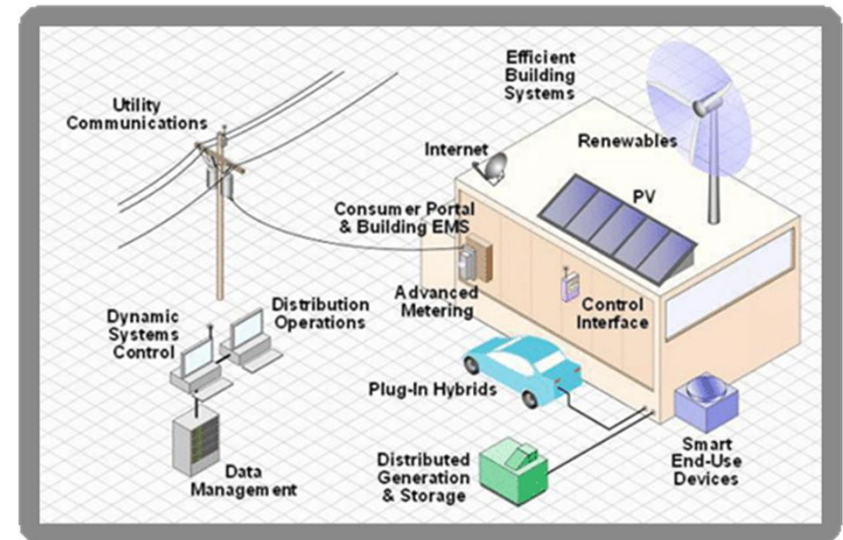
SGEM WP 5 meeting
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Source: www.reneable-energy.fr

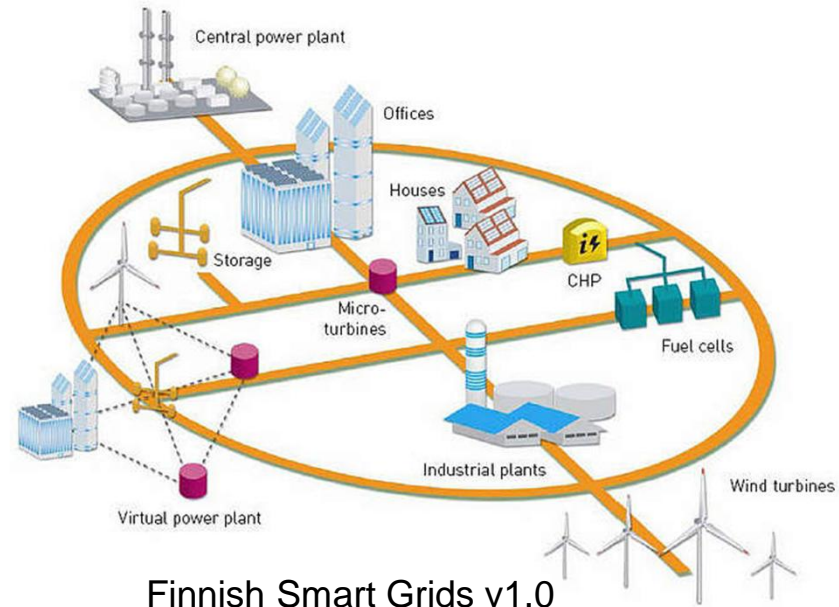
Smart Grids

- Definition of Smart Grids
 - On EU-wide level
 - Local definitions
- Research activities related to Smart Grids



Reviewed EU countries:

- Finland
- Sweden
- United Kingdom
- Spain
- Germany



Finnish Smart Grids v1.0

Drivers

- The main goal is to find the key drivers through PESTLE analysis:
 - Political
 - Economical
 - Socio-cultural
 - Technological
 - Legal
 - Environmental

Energy independency and security

Funds

20/20/20

Advanced customer services

Growing energy demand

Policy and Regulation

Economical Growth

Work Status

Completed:

- Review of Smart Grids worldwide and on EU-level
- Study of Smart Grid rollout state in different countries

In progress:

- Study of level of network automation, AMM, Electricity storages, Plug-in-hybrids, EVs, and decentralised generation
 - A benchmark research of network automation state in EU countries by Oleg Gulich was used as an input
- PESTLE analysis

Due date:

- The final report is going to be ready in March