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New Utility Services realized at the FINESCE trial sites



Virtual Power Plant - Demand Response

Cross Border VPP of the Energy Eco-System



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WP3 - B2B energy eco-system

- building a cross-border Virtual Utility

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Motivations

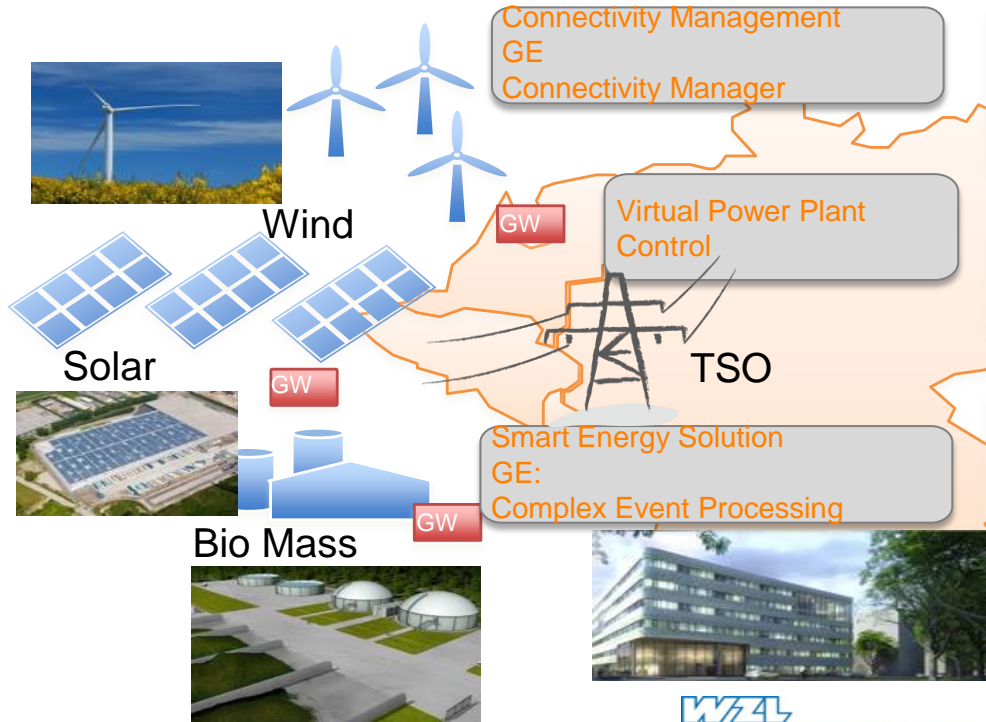
- Combine renewable Energy production with Demand Side Management to a Virtual Utility
- Combine different volatile energy production to guaranteed CO2 free certified energy

Objective

- Increase the part of renewable Energy of the consumption of electrical Energy

Scope

- Trial installation in Belgium and Germany
- ~10 Renewable energy sources
- ~1 Demand Site



Connectivity Management
GE
Connectivity Manager

Virtual Power Plant
Control

Smart Energy Solution
GE:
Complex Event Processing



WZL
RWTHAACHEN

QSC AG

fir
at the
RWTHAACHEN

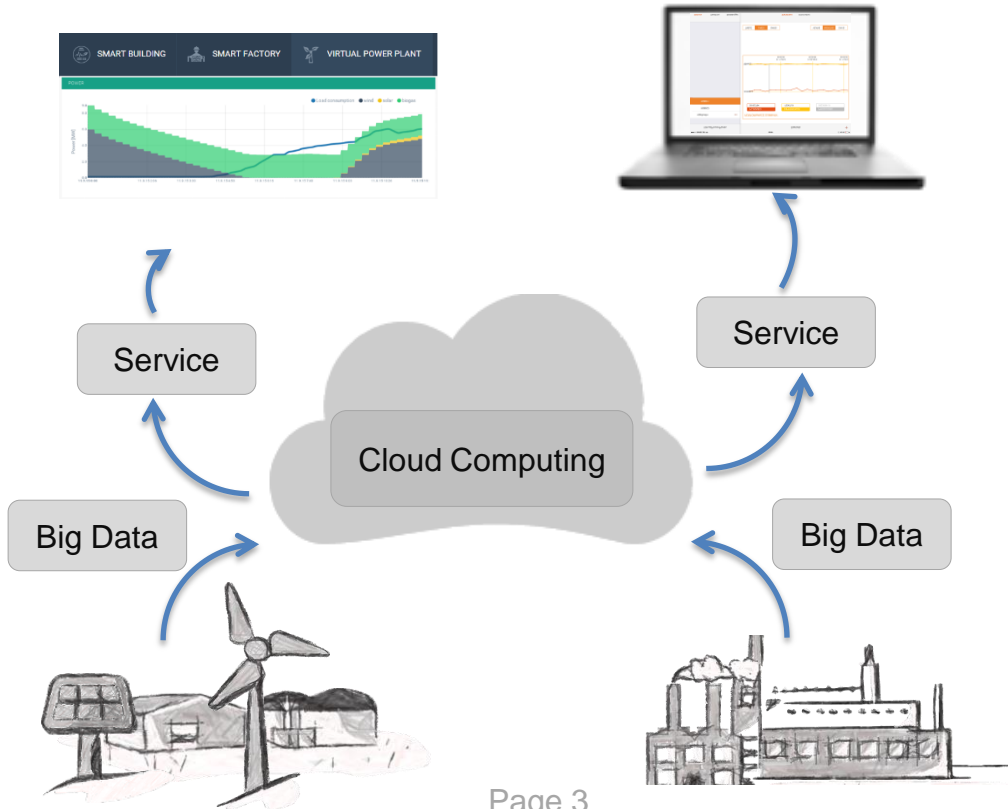
E.ON Energy Research Center
RWTHAACHEN
UNIVERSITY

SOPTIM
Zukunft gestalten

XLAB
NOT IDLE

New Services based on FI Technology

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- Future Internet Technology to handle Big Data from distributed data sources
- Cloud Computing enabling centralized management of distributed partners
- Energy as a Service
 - Energy Balancing
 - Energy-driven CO₂ free production
- FIWARE and GEs as basis to build new services

Balancing the Eco-system

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