Basic Information, Results and Future Outlook of Smart Grids Austria

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National Platform Smart Grids Austria
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Milestones

2008: Establishment of the National Technology Platform Smart Grids Austria

2010: FEEI and Oesterreichs Energie became supporter organisations

2010: Roadmap " Pathway to the future of electrical power grids!"

2011: Award "Smart Grids Pionier 2011"

2013: Platform already counts about 50 members

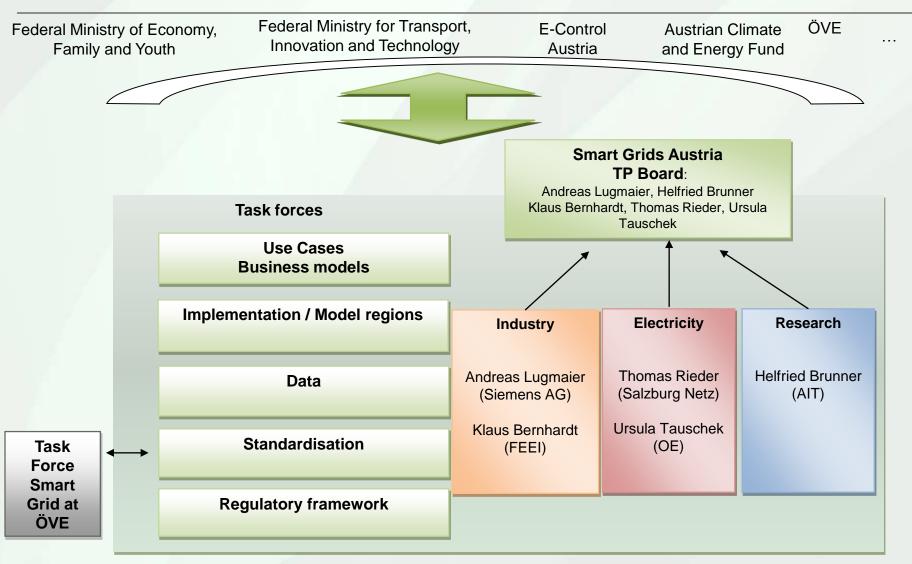
The TP Smart Grids Austria combines all the major players, Technology providers, power supply companies (grid operator and supply) and R & D institutions, all under one roof and has established itself as competent body for public authorities and interested stakeholders.







Smart Grids Austria - Structure









More than 50 Members (by June 2013)

Industry (Technology)





























































Electricity



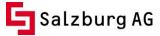






















R&D Institutions



















Others





TP Smart Grids Austria

Objectives and Tasks:

- Networking role: to bundle the strength and to exploit synergies of various stakeholders
- show international competence through visible light-house projects
- indicate how existing barriers can be overcome
- improve R&D and the regulatory framework
- initiate and execute smart grids projects

Platform Activities:

- Platform meeting twice a year: with all members
- Task force meetings
- Public Relations: internal & external communications (Smart Grids monitoring, media, ...), Website (www.smartgrids.at), Twitter account (@SmartGridsAT/ www.twitter.com/SmartGridsAT)







TP Smart Grids Austria

Relevant Topics for success:

- Existing smart grid community
- Cooperation between Stakeholders to get the right and suited Framework
- Willingness to cooperate in innovative projects Industry, Utilities, Universities, Government
- Existing suitable local R&D framework
 - Not too many difficult requirements for reporting
 - Anually about 5 15 Mio Euro Public support for R&D projects
 - Subsidies are related to requirements of stakeholder, e.g. 50 % for industry and 80% for university in industrial research cooperation projects, less in implementation or demonstration projects
 - regulatory framework accepts costs for R&D
- Government is interested in Smart Grid projects (Main Driver: Ministry of Innovation and Technology and Ministry of Economy)







Roadmap Smart Grids Austria

2010: Roadmap "Pathway to the future of electrical power grids!"

realeased by the National Technology Plattform Smart Grids Austria

- Definition of a coordinated, structured and continuously coordinated way to smart grids in Austria
- → Target: to develop a reliable and sustainable electricity supply in Austria

www.smartgrids.at









Strategic Focus: TP Smart Grids Austria



May 2012:

The NTP Smart Grids

Austria released a

position paper with

10 main requests to

implement Smart Grids

into the Austrian power

infrastructure

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Smart Grids model regions in Austria

SG Model region Salzburg

- integration of renewables (hydro) in distribution networks (Medium Voltage)
- integration of electromobility
- integration of smart buildings
- integration of residential customers

SG Model region Upper Austria

- Advance Smart Metering Use of Meter as Monitoring of voltage levels Power Snap Shots to analyse specific conditions (load & generation) in LV Grids
- Integration of Distributed Generation mainly based on renewable sources, based on existing metering infrastructure – 104 values (every min.)

SG model region Vorarlberg

 Walsertal - integration of renewables (hydro) in distribution networks (Medium Voltage)

... upcoming new regions (e.g. in Carinthia, Styria, Vienna)

■ E.g. new topics as Smart Cities, Big Data, etc...



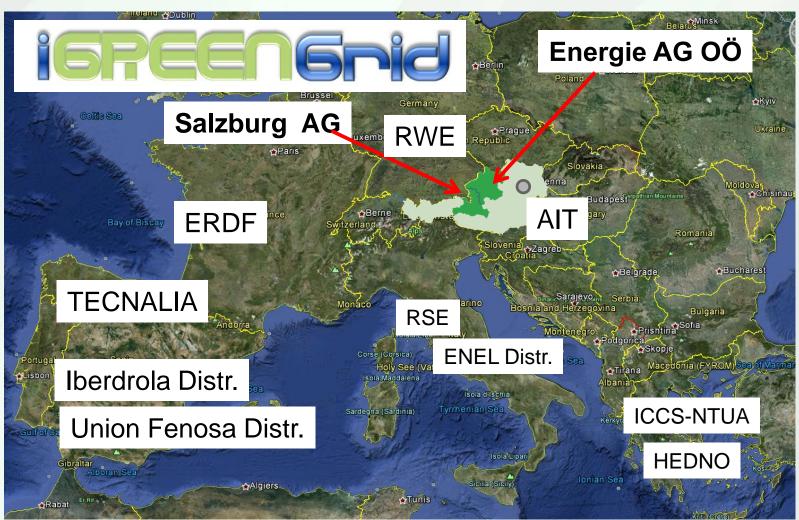




Smart Grids model regions in Austria



EU FP7 participation of Austrian demo projects





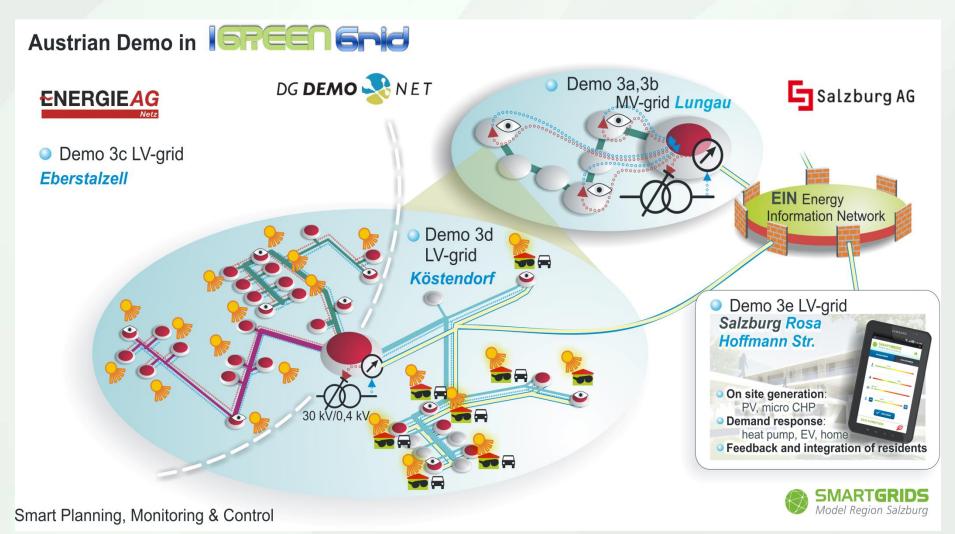








EU FP7 participation of Austrian demo projects













Outlook

- → 2013/14: Roadmap New in planning time horizon of 2020 and strong implementation focus
- New organizational structure of the platform in planning
- News projects in planning: e.g. "RASSA Reference Architecture for Secure Smart Grids in Austria"



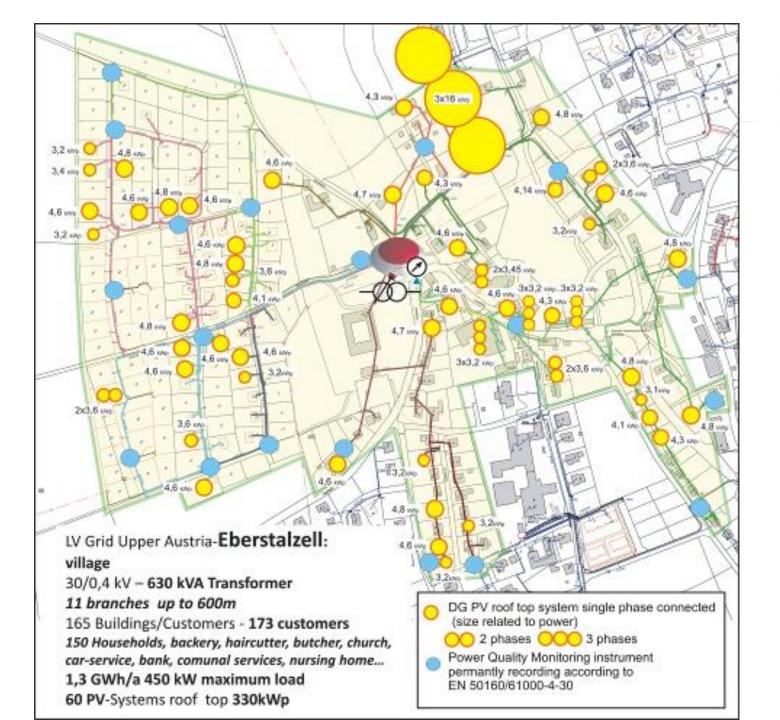






Demonetz Energie AG OÖ





ENERGIEAG Oberösterreich

Wir denken an morgen

LV Grid Littring

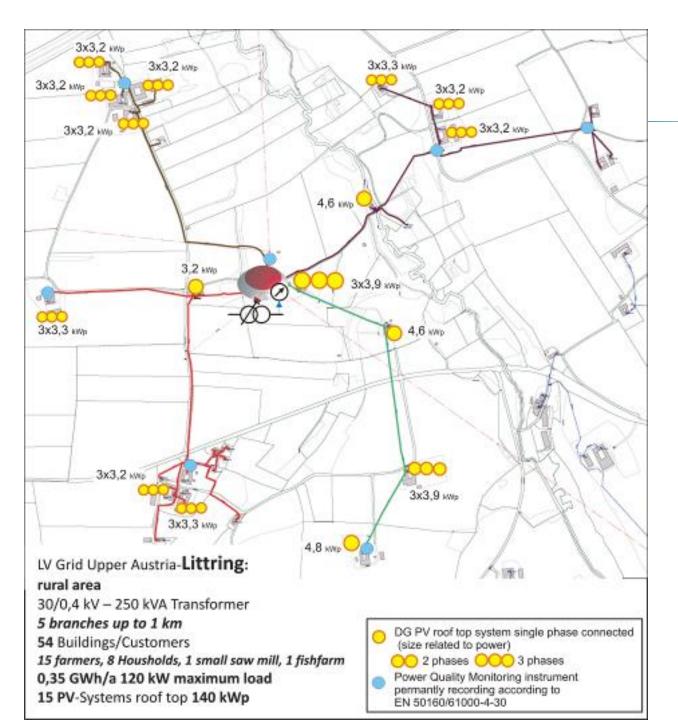




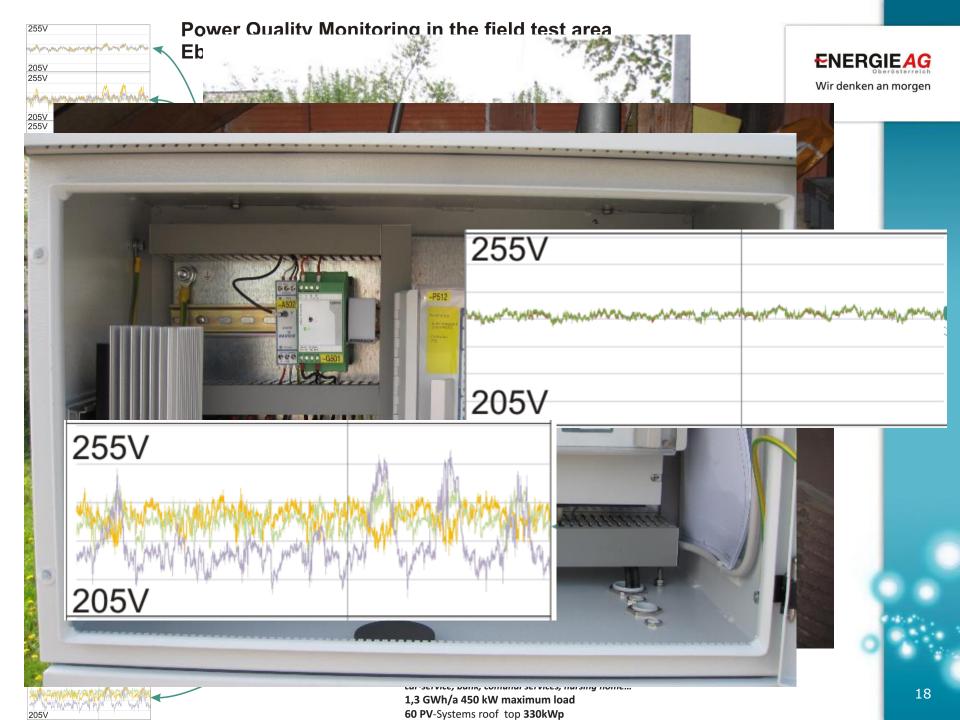


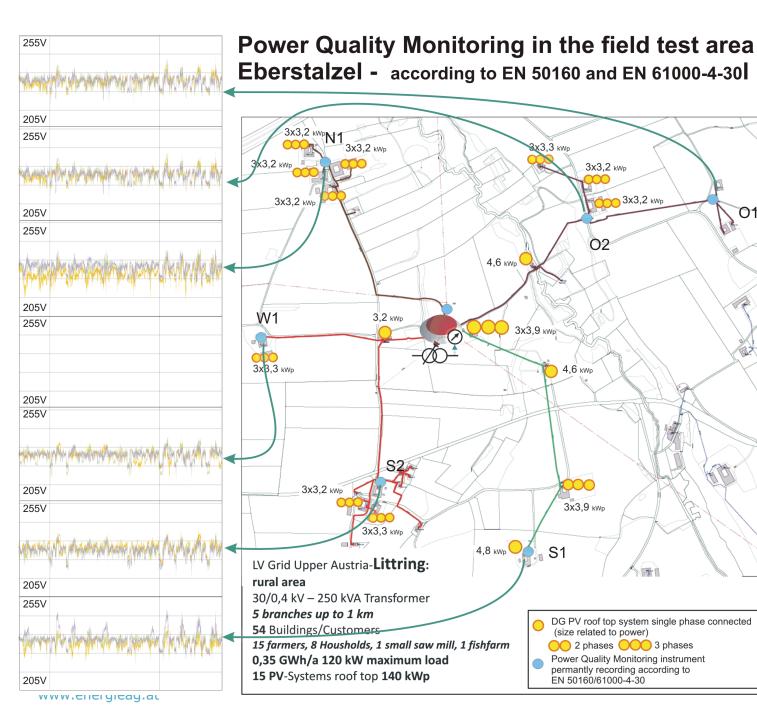


















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