

Main current research topics

The current research interests on the areas covered by DERri include for instance following topics. In addition there are many other on-going research actions.

- Smart grid and active network control techniques
- Demand side management and demand response
- DG and wind power network interconnection
- ICT applications for smart grids
- Electric vehicle grid integration
- Electric storages and their application in network management
- Photovoltaic systems

VTT is participating firmly in Finland's national research program "Smart Grids and Energy Markets (SGEM)", which covers most of the smart grid related development in Finland with majority of industry and utility participants.

As a whole, VTT has an extensive research coverage on energy sector as well as on all other major customer sectors.

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