

Alongside a large number of local providers (photovoltaic, wind power, biomass), new consumers (such as electric vehicles or heat pumps) and storage facilities must be integrated into the energy system. In Austria new technologies and strategies for a smart energy future are continually being developed and tested under real-life conditions, as ...

Even today Austria and several of its European neighbours are fortunate to possess powerful energy supply systems, in the form of virtually nationwide hierarchical electricity grids and of regional district heating and gas grids in more populated areas.

will give an overview on the Austrian solutions and concepts for a smart energy grid. I. INTRODUCTION  
The research and development in the fields of electrical generation and distribution got various new inputs over the last years through the necessity of including more and more renewable energy sources (especially wind and solar power)

Die Publikationsreihe energy innovation austria gibt Einblick in die österreichische Energieforschung und präsentiert spannende neue Konzepte und innovative Produkte. Basis bilden Forschungsprojekte, die im Rahmen der Programme des Bundesministeriums für Klimaschutz, Umwelt, Energie, Mobilität, Innovation und Technologie (BMK) und des Klima ...

SMART GRID PIONEERS 1 Finding a solution to the energy issue is one of the main challenges we are facing today. What we have to provide is a secure, eco-friendly and cost-efficient energy system that also meets people's social needs. A key requirement for doing so is to develop comprehensive, consistent and long-term strategies.

In this edition we present some pioneering solutions and components for smart energy systems which are being developed in Austria, in collaboration with European partners, under the scope of the Joint Programming Platform SES, and some trailblazing national RDI projects from the programmes of the BMK and the Climate and Energy Fund.

Transforming the energy system to 100% renewable energy requires not only intelligent technologies and solutions, but also new business models, using sector coupling or setting up integrated regional and local energy systems. Austria is an active player in transnational research partnerships, networking to share knowledge and experience, and ...



## Smart energy solution Austria

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