

Session Title: Grid Integration of Renewables

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The presentation will give an overview of the development and current operation of the Danish electricity system with more than 40% variable renewable energies. The next steps towards a 70% reduction of greenhouse gases by 2030 and a fossil-free energy system by 2050 will embrace significant developments of both grids, markets and coherent energy systems. Energinet's challenges and plans for this ambitious transition will be presented. Solutions must balance considerations for security of supply, green energy and affordability with an increasing focus on maximizing the value of the variable renewable energy.