

Powering the future: The challenge of energy transition”

Five years ahead of the targets agreed by the European Union, Germany has committed itself to become CO2 neutral. Within the next 25 years, the primary energy demand in Germany is to be reduced by 50% and shall be covered by sustainable energy sources then comprehensively. This technology shift poses major challenges on both electricity and hydrogen transmission grids. At the same time, an industrialized country like Germany requires reliability of supply also for sustainable but discontinuous (oder alternativ: renewable) energy sources like wind or solar. The presentation sheds light on both challenges and opportunities of the transition.

Dr. Roell is intensively involved in the topic of hydrogen policy and is also a member of several prominent committees, e.g. as Vice President of the Baden-Württemberg Chamber of Industry and Commerce, as a board member of H2Wandel - Modellregion Grüner Wasserstoff Baden-Württemberg e.V., and as a member of the advisory board of the Hydrogen Roadmap Baden-Württemberg. In addition, he represents the Chamber of Industry and Commerce in Ulm as President.