

Abstract

Innovative solutions for bulk power transmission

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The need to increase the capacity of the transmission grid to enable large scale energy transport has become evident during the last years, Not only the countries with large hydro power resources, but also countries like Germany with a growing wind power infeed face the challenge that renewable energy sources are typically distant from the load centers. The presentation explains and compares the state of the art technologies like HVDC and GIL (gas insulated lines) that are key enablers to achieve this target.

