

Integrating renewable energy sources

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The fast growing electricity demand and rising concerns about CO₂ emissions strongly support the penetration of renewable energy sources into our generation portfolio.

However, these new resources raise several issues: they are very often distributed, mostly intermittent and connected to already constrained grids. In that context, how to ensure a reliable and efficient integration? How to make sure that this green power really reaches the consumer?

Areva T&D has a wide range of solutions to make the grid Smarter and Greener.

These solutions go from network studies to deal with network expansion and reinforcement, DC connections to safely and efficiently connect the wind or PV farms event in remote locations, forecasting and monitoring tools to manage the intermittency in real-time and guarantee stability, up to dynamic monitoring to increase existing lines efficiency.

Areva T&D is also working on related topics such as Microgrids or Storage that will be additional enablers to RES penetration.