

# RXPE POWER SOLUTIONS

## Integrating wind energy into the power grid



**R**XPE Power Solutions, world-leading provider of FACTS and FACDS devices, designed to stabilise and improve network power quality.

Known as FACTS (flexible alternating current transmission systems) and FACDS (flexible alternating current distribution systems) enhance controllability and increase power transfer capability of the network.

In an effort to reduce green house gases and supplement exhausting fossil fuels there have been remarkable advances in renewable wind energy technology.

Wind is a geographically and climatically uncontrollable resource further affected by the nature of distributed wind induction generators. Power and quality concerns are further pronounced particularly in weak power grids.

Power electronics is one of the fastest advancing technologies in electrical engineering today.

RXPE, leading in energy saving power electronics.



RXPE's FACTS and FACDS devices help improve the power factor of the wind farm, steady-state voltage regulation and power quality issues such as power fluctuations, voltage fluctuations and harmonics.

Typically low cost mechanical solutions are used in wind farms. However response time is not satisfactory and with frequent switching they may cause premature system and mechanical failure.

RXPE's SVG or STATCOM is ideal for integrating into wind farms, providing many advantages, in particular a fast response time and superior voltage support capability.

RXPE, integrating wind energy into the power grid to achieve cost-effective and reliable renewable wind energy.

Contact RXPE Power Solutions for additional information.



### RXPE POWER SOLUTIONS

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