

Why should you choose Hitachi energy for a STATCOM installation?

Each STATCOM installation uses Hitachi Energy's advanced power electronics and technology-leading MACH control and protection solution to provide system strength, instantaneous voltage control, and enable maximum power flow. This technology, which entrusts the MACH control to manage both STATCOM and the synchronous condenser, is market leading.

Does Hitachi have a high power STATCOM?

Its ability to perform active filtering is also very useful for improvements in power quality. Hitachi Energy's offerings in the high power STATCOM field include SVC Light STATCOM as well as PCS 6000 STATCOM, where PCS 6000 STATCOM is applicable for unit ratings up to 40 Mvar and SVC Light STATCOM is applicable for ratings exceeding 40 Mvar.

What is STATCOM (static compensator)?

STATCOM (static compensators) continuously provides variable reactive power in response to voltage variations, supporting the stability of the grid. [Learn more.](#)

How does STATCOM work?

Like SVC but faster, STATCOM continuously provides variable reactive power in response to voltage variations, supporting the stability of the grid. STATCOM operates according to voltage source converter (VSC) principles, combining unique PWM (pulse width modulation) with millisecond switching.

Who is Hitachi energy?

Hitachi Energy is a global technology leader that is advancing a sustainable energy future for all. We serve customers in the utility, industry and infrastructure sectors with innovative solutions and services across the value chain.

What is Hitachi energy doing in 2024?

Zurich, April 4, 2024 - Hitachi Energy has won an order from SP Energy Networks to design and deliver a first-of-its-kind power quality solution to stabilize the grid and boost the flow of renewable energy from Scotland to England.

Specifically, the portfolio's Enhanced-STATCOM has the ability to store energy in the form of supercapacitors controlled by high-power semiconductors, doubling the energy utilisation rate and reducing the required ...

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Energy-storage enhanced STATCOM is an all-in-one solution to address the stability and power quality challenges with grid integration of large-scale WPPs. With the energy storage system ...

The order comes in after successful negotiations between TransnetBW and Hitachi Energy, with the latter being commissioned to build innovative tech, which TransnetBW refers to as the STATCOM-GFM systems, ...

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