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Hitachi ABB Power Grids launches SVC Light® Enhanced solution accelerating resilient and carbon-neutral energy future

Two grid-stabilizing technologies combined in one device to enable transmission systems to integrate more renewable energy, contributing to carbon-neutral society

Zurich, August 19, 2021 – Hitachi ABB Power Grids today announced the launch of SVC Light® Enhanced at CIGRE 2021– its next-generation grid stabilization solution. SVC Light Enhanced enables the smooth integration of renewable energy into the world's rapidly evolving energy system, underpinning new and fast-growing uses for emission-free electrification, ranging from powering data centers to sustainable mobility.

The world's power grids are coming under increasing strain from the destabilizing effects of variable and often unpredictable renewable energy (i.e. solar and wind) in the power mix. This is heightened by the closing of conventional power plants, which store large amounts of energy in their rotational equipment (called inertia) that is used to counteract disturbances that could cause an outage in the power grid.

The SVC Light Enhanced solution addresses these challenges by combining two power quality and grid stabilization technologies in a single compact device. This pioneering technology comprises an SVC Light STATCOM which provides vital reactive power to balance the impact of renewables. It also incorporates supercapacitors which store hundreds of megawatt-seconds of energy and automatically release it within milliseconds when disturbances occur, thus reducing reliance on conventional power plants.

"SVC Light Enhanced fills a large and growing gap in the market, for which our customers worldwide have been seeking an efficient and reliable solution," said Niklas Persson, Managing Director of Hitachi ABB Power Grids' Grid Integration business. "It delivers huge amounts of power instantly to keep grids stable and resilient, enabling utilities to increase their uptake of emission-free energy and progress toward carbon neutrality."

STATCOM technologies, such as SVC Light from Hitachi ABB Power Grids have a 40 percent lower[1] carbon footprint over their life cycle compared to traditional solutions. Earlier this year Hitachi ABB Power Grids delivered the world's most powerful[2] STATCOMs, enabling more renewable energy to flow through the German transmission system. Other recent innovations include the world's first hybrid synchronous condenser and STATCOM in the UK.

The launch of SVC Light Enhanced is further evidence of Hitachi ABB Power Grids' commitment to helping customers and countries transition toward a carbon-neutral energy future – a commitment that it has outlined in its Sustainability 2030 strategic plan.

1) Hitachi ABB Power Grids completed a STATCOM Life Cycle Assessment (LCA) to measure   the environmental performance.
2) According to our technical analysis.

Related Link
Sustainability 2030 Press Release on June 3, 2021

About Hitachi ABB Power Grids Ltd.
Hitachi ABB Power Grids is a global technology leader with a combined heritage of almost 250 years, employing around 36,000 people in 90 countries. Headquartered in Switzerland, the business serves utility, industry and infrastructure customers across the value chain, and emerging areas like sustainable mobility, smart cities, energy storage and data centers. With a proven track record, global footprint and unparalleled installed base, Hitachi ABB Power Grids balances social, environmental and economic values. It is committed to powering good for a sustainable energy future, with pioneering and digital technologies, as the partner of choice for enabling a stronger, smarter and greener grid. https://www.hitachiabb-powergrids.com

From October 2021 we are evolving to become **Hitachi Energy**.

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