GE Vernova expands its Grid Automation portfolio with a new solution for modern grids

- Introduces GridBeats™ APS (Automation and Protection System) to help utilities modernize protection and operations without disrupting service
- Reduces device footprints in substations by enabling multiple functions to run on a common platform
- Supports grid resilience as networks expand and operating requirements become more demanding

San Diego, California (February 3, 2026) – GE Vernova Inc. (NYSE: GEV) today announced the launch of a new solution designed to simplify grid operations and protection as electricity networks expand globally and become more complex.

GridBeats™ APS (Automation and Protection System) is a new product within GE Vernova's GridBeats™ portfolio of software-defined grid automation solutions. It is designed to help utilities modernize electrical substations, reduce device footprints, and keep power flowing reliably as power grid requirements evolve.

Modernizing substation design and operations

Designed to address the growing challenges of aging infrastructure, capacity expansion, operational complexity, and cybersecurity, GridBeats™ APS redefines traditional substation architectures. Acting as a single platform to support all protection and control applications within a substation, the solution uses GE Vernova's patented hardware abstraction technology to significantly reduce the amount of hardware required along with the number of spare devices operators must maintain.

With GridBeats™ APS, operators can consolidate what once required hundreds of individual communication and cybersecurity packages into as few as ten—while maintaining the same level of protection and performance.

GridBeats™ APS enables grid operators to:

- **Streamline operations:** GridBeats™ APS lets operators update cybersecurity and communications software without needing to revalidate or retest protection and control functions.
- **Adapt to changing demand:** Run multiple protection and control applications on a single device, allowing devices to meet changing demands and extend their lifecycles.
- **Simplify control and maintenance:** Standardize procurement, reduce learning curves, and streamline configuration.
- **Maintain continuous operation:** Remotely update applications without taking devices offline, improving both resilience and reliability

“Electricity is becoming the backbone of modern economies, with demand rising across data, industry, transport, and buildings,” **said Del Misenheimer, VP & CEO, Grid Automation & Software, Electrification Segment, GE Vernova**. “As grids expand to meet that growth, automation is becoming essential to help operators manage complexity and maintain reliable operations at scale. At GE Vernova, our Electrification businesses bring together hardware, software, and services to support grid modernization. GridBeats™ APS reflects this integrated approach by helping simplify daily grid operations while keeping power available and systems secure.”

Why protection and control matter in grid modernization

Protection and control systems help keep the electricity grid running safely and reliably. Protection functions identify problems on the network and quickly isolate affected areas to prevent wider outages, while control functions guide how the grid operates moment to moment so power is delivered where it is needed. As electricity networks grow, add new energy sources, and serve more users, these systems are becoming increasingly important to support grid modernization and

ensure power remains available, stable, and secure.

GE Vernova is showcasing GridBeats™ APS at **DTECH 2026**, taking place **February 3–5 in San Diego, California**, where attendees can learn how the solution supports modern grid operations and protection. GE Vernova is exhibiting at **booth** #3112. The product will be unveiled during a LinkedIn Live event, accessible here.

For more information on GridBeats™ APS, visit the website.

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About GE Vernova

GE Vernova Inc. (NYSE: GEV) is a purpose-built global energy company that includes Power, Electrification and Wind segments and is supported by its accelerator businesses. Building on over 130 years of experience tackling the world's challenges, GE Vernova is uniquely positioned to help lead the energy transition by continuing to electrify the world while simultaneously working to decarbonize it. GE Vernova helps customers power economies and deliver electricity that is vital to health, safety, security, and improved quality of life. GE Vernova is headquartered in Cambridge, Massachusetts, U.S., with approximately 85,000 employees across approximately 100 countries around the world. Supported by the Company's purpose, The Energy to Change the World, GE Vernova technology helps deliver a more affordable, reliable, sustainable, and secure energy future.

GE Vernova's **Grid Solutions** business electrifies the world with advanced grid technologies and systems, enabling power transmission and distribution across the power grid, and supporting a decarbonized and secured energy transition.

GE Vernova's **Electrification** segment includes Grid Solutions, Power Conversion & Storage — collectively referred to as Electrification Systems — and digital technologies, referred to as Electrification Software. The solutions offered by this segment are essential for the transmission, distribution, conversion, storage, and orchestration of electricity from point of generation to point of consumption.

https://www.gevernova.com/
GE Vernova

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