GE Vernova Introduces GridOS® for Transmission and New AI Whitepapers at Orchestrate 2026

- GE Vernova has introduced GridOS for Transmission: a unified software solution that enables near real-time, coordinated transmission operations

- At industry-leading Orchestrate Conference, GE Vernova releases two new AI whitepapers exploring grid planning and grid-edge autonomy

ATLANTA, GA., June 9, 2026 – GE Vernova (NYSE: GEV) today introduces GridOS for Transmission and released two new AI whitepapers addressing grid planning and autonomous grid-edge operations at Orchestrate 2026, the company's annual grid software conference bringing together utility leaders, grid operators, and technology experts to examine how software is reshaping grid modernization as electricity demand surges and grid complexity accelerates.

"Meeting rising electricity demand will require more than adding generation, it demands a grid that can coordinate, adapt, and act faster than ever before," said Philippe Piron, CEO of GE Vernova's Electrification segment. "Software is now central to how utilities plan investments, operate networks, and respond to near real-time conditions. What we're introducing at Orchestrate reflects our conviction that the grid of the future runs on intelligence and that utilities need that intelligence across every layer, from long-range planning to the grid edge."

Orchestrate 2026: Bringing the Industry Together to Drive Grid Modernization

Orchestrate is GE Vernova's annual conference for utility leaders and grid operators to engage with the software strategies and technologies redefining grid modernization. This year's agenda reflects the mounting pressures utilities face:

surging load, deeper renewable integration, and frequent extreme weather and the growing role software plays in helping them respond.

Today's announcements reinforce GE Vernova's position that software is no longer a layer on top of the grid – it is a core enabler of faster, more coordinated decisions across planning and operations, and the only mechanism capable of addressing a coordination problem that is beyond human scale.

GridOS for Transmission

GE Vernova's Grid Software business today introduces GridOS for Transmission, a unified grid intelligence solution for operating and orchestrating the transmission network as one system. By bringing together near real-time operations, capacity awareness, forecasting, and system stability into a single coordinated environment, GridOS for Transmission helps utilities shorten control room decision cycles, improve utilization of existing transmission capacity, and respond faster to rapidly changing grid conditions.

The solution integrates intelligence from core transmission applications including AEMS (Advanced Energy Management System), DDLR (Digital Dynamic Line Rating), WAMS (Wide-Area Monitoring System), and forecasting tools, alongside DER management, Visual Intelligence, and asset behavior data, giving operators a unified, context-rich decision environment.

With this operating model, utilities can reduce decision latency, operate closer to actual system limits, identify emerging stability risks earlier, and respond more effectively during disturbances and peak-stress events.

New AI Whitepapers on Grid Planning and Grid-Edge Operations

GE Vernova today released two whitepapers addressing complementary dimensions of AI's role in utility operations. Both whitepapers are coming from GE Vernova's Grid Automation and Software business.

"*Reimagining the Grid Edge: Autonomous Distribution Technologies as the Key to Managing Decentralization and Enhancing Resilience*," outlines how Autonomous Distribution (AD) enables utilities to detect, isolate, and restore faults in seconds rather than minutes. The paper covers AI capabilities at the grid edge including adaptive zone management, predictive controls, software-defined architecture, and integration with existing EMS and ADMS environments. By empowering grid operators to manage distributed assets, AD improves grid resilience, adjusts to evolving demands, reduces costs, and increases efficiency, paving the way for a fault-tolerant future in a decentralized energy landscape.

"*AI in Grid Planning: Unlock Resilience, Faster Decisions, and Lower Costs*," outlines how utilities can apply AI to long-range planning, interconnection analysis, forecasting, and risk management, all anchored by a living, digital grid twin. Use cases include interconnection backlog reduction, non-wires alternatives analysis, vegetation- and wildfire-risk management, storm preparedness, and advanced load and generation forecasting.

Together, the whitepapers underscore GE Vernova's view that utilities need intelligence across the full grid lifecycle, from planning investments years ahead to managing near real-time operations from the control room to the grid edge.

Reimaging the Grid Edge and AI in Grid Planning whitepapers are available for download.

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 **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.

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