GE Vernova launches PlanOS: A more advanced utility planning software platform for the grid of today, and tomorrow

Cambridge, MA (September 8, 2025) - Today, GE Vernova Inc. (NYSE: GEV) announced the launch of PlanOS, a unified software suite designed to empower energy planners, utilities, and regulators with an integrated system planning platform for a smarter grid of the future. Built on decades of real-world modeling expertise and developed in close collaboration with system operators globally, PlanOS provides a modular yet deeply integrated environment to unlock faster iteration and better decision making.

With the energy transition accelerating and grid systems growing increasingly complex, the need for smarter, faster, and more holistic planning has never been greater. Traditional planning tools are siloed, disjointed, and slow to adapt to the challenges posed by renewable integration, electrification, and decarbonization. PlanOS was created to address this gap.

“Grid planners today face unprecedented complexity - the grid is undergoing significant transformations that are reshaping how we plan for reliability, resilience, and affordability,” said Jim Walsh, Vice President, GE Vernova’s Consulting Services. “PlanOS gives planners the unified environment they need to simulate, iterate, and act - confidently.”

Four Engines, One Platform

At the heart of PlanOS are four core simulation engines, all built on a shared data architecture:

- Power Flow: High-fidelity steady-state and dynamic analysis, including contingency studies, transmission planning, and interconnection analysis.
- Resource Adequacy: Industry-leading fidelity and integration to assess system reliability under a wide range of conditions, integrating weather, outages, and grid constraints.

- Production Cost: High-speed, extensible and integrated simulation linking investment with real-world dispatch and emissions.
- Capacity Expansion: Unique optimization engine to test multiple policy, technology, and demand futures - enabling robust, least-regret investment decisions.

Together, these engines allow users to run complex, interconnected studies in a single environment, with a unified dataset model, streamlining workflows and dramatically reducing time to insight.

Performance Meets Practicality

Built with high-performance computing at its core, PlanOS delivers results in a fraction of the time compared to legacy tools. Open APIs, scripting support, and a modular architecture make it both powerful and flexible - meeting the diverse needs of planners across markets and geographies.

“We didn’t start by building a product - we started by solving real planning problems,” said Gagan Porwal, Chief Operating Officer and Head of Software, GE Vernova’s Consulting Services. “PlanOS is the product of decades of experience and global collaboration. It’s been purpose-built and stress-tested - by planners, for planners.”

To learn more please visit: www.gevernova.com/consulting/planos

© 2025 GE Vernova and/or its affiliates. All rights reserved.
GE and the GE Monogram are trademarks of General Electric Company used under trademark license.

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 **Consulting Services** business provides customers with a suite of energy consulting expertise focused on solving the world's toughest technical and economic power system problems, enabling technology integration, and shaping the energy transition to help accelerate a new era of energy. With its cross-business resources, it can deliver power systems analysis, studies, and decarbonization pathways to serve a diverse global client base with a strong local presence.

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

Media inquiries

Tina Malott

GE Vernova | Marketing Director, Consulting Services
tina.malott@gevernova.com