GE Vernova, Systems With Intelligence (SWI) sign an MoU to collaborate on enhanced solutions for monitoring electrical grid assets

- The collaboration will focus on enhancing substation monitoring by combining technologies like gas sensing, breakers and bushing monitoring, and infrared thermography, along with AI and ML, to improve diagnostics and asset management for utilities and TSOs.

- The first output from this collaboration, integrating SWI’s infrared sensors into GE Vernova’s DGA 900 Plus system, is expected to be commercially available in early 2025.

- The two companies will also integrate SWI’s Pan/Tilt substation level sensors within GE Vernova’s GridBeatsTM Asset Vision, a substation monitoring solution converging different sensing techniques to enhance diagnostic intelligence, while simplifying solution complexity.

PARIS, France (Aug 27, 2024) – GE Vernova and Systems With Intelligence (SWI) signed a memorandum of understanding (MoU) today at the CIGRE event in Paris to develop advanced substation monitoring solutions. Through this collaboration the companies aim to integrate technologies like gas sensing, bushing monitoring and infrared thermography, along with AI and ML. The goal is to advance grid asset management by integrating SWI's cutting-edge infrared thermography and touchless monitoring systems with GE Vernova’s Grid Automation business's expertise in monitoring & diagnostic solutions of grid assets.

The initial focus of this collaboration will be on substation monitoring, where the companies will integrate their leading technologies to deliver converged monitoring and diagnostic intelligence, significantly enhancing asset management capabilities.

This could streamline monitoring for utilities and Transmission System Operators (TSO's), enabling earlier issue detection and leading to a more reliable, efficient, and stable power grid.

"Today's asset managers are flooded with data from a myriad of sensing devices provided by various vendors. This often leads to fragmented data silos, requiring multiple software tools to manage and analyze the data independently," said **Graham McGuigan, Product Line Leader for Monitoring & Diagnostics at GE Vernova**. "Our collaboration with SWI is a step towards unifying these data streams into a more cohesive and intelligent monitoring system."

Angelo Rizzo, President and CEO of SWI, added, "By combining different sensing techniques, we can create solutions that offer enhanced diagnostic intelligence while simplifying the user experience. This collaboration is a significant move towards achieving that goal."

The first tangible outcome of this collaboration will be the integration of SWI's fixed infrared sensors into GE Vernova's DGA 900 Plus, a state-of-the-art multi-gas transformer monitoring system that monitors the health of power transformers by detecting early signs of problems and helps prevent transformer failures, ensuring a reliable and efficient power supply. This enhanced new solution, expected to be commercially available in early 2025, will allow asset managers to incorporate infrared thermography directly within the DGA 900 Plus platform, which already includes capabilities for dissolved gas analysis, bushing monitoring, and predictive modeling.

Looking ahead, GE Vernova and SWI plan to expand their collaboration to include the integration of SWI's pan/tilt substation-level infrared sensors within GridBeats™ Asset Vision substation monitoring solution, further advancing the capabilities of electrical grid asset management. GridBeats™ is GE Vernova's Grid Automation business's portfolio of software defined automation solutions for grid digitalization.

Forward Looking Statements

This document contains forward-looking statements – that is, statements related to

future events that by their nature address matters that are, to different degrees, uncertain. These forward-looking statements address GE Vernova's expected future business and financial performance, and the expected performance of its products, the impact of its services and the results they may generate or produce, and often contain words such as “expect,” “anticipate,” “intend,” “plan,” “believe,” “seek,” “see,” “will,” “would,” “estimate,” “forecast,” “target,” “preliminary,” or “range.” Forward-looking statements by their nature address matters that are, to different degrees, uncertain, such as statements about planned and potential transactions, investments or projects and their expected results and the impacts of macroeconomic and market conditions and volatility on business operations, financial results and financial position and on the global supply chain and world economy.

About GE Vernova

GE Vernova Inc. (NYSE: GEV) is a purpose-built global energy company that includes Power, Wind, and Electrification 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 75,000 employees across 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. Learn more: GE Vernova and LinkedIn.

GE Vernova’s **Grid Solutions** business electrifies the world with advanced grid technologies and systems, enabling power transmission and distribution from the point of generation to point of consumption, and supporting a decarbonized and secured energy transition.

About Systems With Intelligence
Systems With Intelligence Inc. is a global provider of Touchless™ monitoring solutions for electric utility applications. SWI systems collect and analyze the data that allows utilities to increase safety and reliability while reducing operating costs. Coupling thermal monitoring and visual imaging technology with advanced analytic algorithms, Systems With Intelligence solutions automate remote site monitoring.

Systems With Intelligence products are engineered to operate in the harshest environments and withstand high levels of electromagnetic interference, static discharge, and voltage surges found in industrial applications to ensure uninterrupted operation. Providing a monitoring system that operates reliably and connects seamlessly allows customers to remain focused on their operations.

The Systems With Intelligence management and technical teams are comprised of professionals with extensive experience in advanced technology for mission-critical applications in harsh environments. With domain expertise in substation and industrial automation, communications, and utility operations, the team is uniquely positioned to deliver effective and intelligent monitoring solutions.

For more information, visit the company's official website at www.SystemsWithIntelligence.com.

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