GE Vernova debuts AI-powered carbon emissions management software at power plant in Cote D’Ivoire

- GE Vernova’s carbon emissions management software, CERius™, will be deployed at Azito’s largest power plant in the Ivory Coast to boost accuracy of reporting.

- The software will harness the power of AI to empower the energy industry to meet their net-zero goals and serve as an example on how to measure, manage, and operationalize insights to help reduce carbon emissions.

Abidjan, Cote D’Ivoire: March 26, 2024 – Today, GE Vernova announced that Globeleq’s Azito Energie S.A. (“Azito”), the largest gas power plant in Cote D’Ivoire, will be the first power plant to debut and deploy its carbon emissions management software, CERius™, which is designed to help energy companies progress toward their net-zero goals using data precision and abatement planning capabilities. This announcement comes on the heels of more global regulations around emissions reporting, including the recent rules passed by the U.S. Securities and Exchange Commission (SEC), which seeks to require companies to report emissions for the first time.

CERius™ will use the power of artificial intelligence (AI) and machine learning (ML) to enable organizations to more accurately measure, manage, and operationalize certain insights needed to help companies track their carbon neutral emissions goals. CERius™ is engineered to automate more accurate greenhouse gas (GHG) data collection and suggest recommendations to operationalize carbon reduction efforts by offering scenario analysis, team collaboration, and standardized reporting based on GHG protocols.

"*One of the most effective ways to drive emissions reduction in the energy sector is to pursue digital transformation*," said, **Linda Rae, General Manager, Power Generation & Oil and Gas, Electrification Software, GE Vernova**. "*While many energy industrials have been reporting emissions for years, the process is labor intensive, slow to surface insights, and based upon generic formulas. The energy transition demands agility, speed, and accuracy of data collection – CERius™ offers the fidelity of reporting emissions down to a specific asset, which can unleash actionable insights to help improve scope 1, 2, and 3 data accuracy and reporting, in addition to measuring abatement planning strategies*," added **Rae** .

Azito is a trailblazer in the digital energy space in Africa, serving as an example to other energy producers on the benefits of using digital solutions. By deploying CERius™, Azito will be not just the first company in Africa, but in the world, to access this technology and be able to better manage their emissions data, compliance reporting, and strategic planning, further contributing to their net-zero goals. Implementing cross-functional standards and processes fueled by CERius™ will help position companies to address ever-evolving regulatory compliance. "*As we see the rise of environmental reporting across the energy supply chain by regulators, stakeholders, and investors, software will be a game-changer for power utilities, if applied at speed and to scale*," added **Rae**.

With greater access to emissions data, Azito will be able to make more informed decisions on how to reduce their carbon emissions. Azito already uses GE Vernova's award winning Asset Performance Management (APM)[1] software's APM Reliability Plus module, which uses advanced algorithms, AI, and ML to help predict potential failures in the power plants several weeks/days before they occur. Hence, allowing proper planning with the goal to reduce downtime which automatically translates to more productive hours and higher revenues.

Gionata Visconti, Chief Operating Officer of Globeleq, said: "*As a Group that has a mixed portfolio of power plants across Africa and is fully committed to the energy transition, it is vital that we are able to monitor and report our emissions*

from one of our key thermal plants in a timely and accurate manner. At the same time, we can use the information from CERius™ to reduce and abate our emissions. Critically, Azito is an essential part of Cote d'Ivoire's energy infrastructure, and we will now be able to make important planning decisions with better and more insightful data."

The Azito power plant generates electricity using natural gas from the country's offshore gas fields. Located in the village of Azito in the district of Yopougon, approximately 6 km west of Abidjan, the facility uses combined cycle gas turbines that generate 713 MW of electricity. This equates to approximately 30% of the country's base load generation.

[1] *Oil & Gas Awards for "Cross Border Energy Transition and Digital Transformation*

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Notes to Editors:

- Learn more about **GE Vernova's CERius™** Software
- Azito and GE Vernova recently received an award from *Oil & Gas Awards for "Cross Border Energy Transition and Digital Transformation*.

About Azito

Globeleq, which is owned 70% by British International Investment and 30% by Norfund, is the leading developer, owner and operator of electricity generation and energy transition projects in Africa. Since 2002, its experienced team of professionals have built a diverse portfolio of independent power plants, generating 1,794 MW in 17 locations across seven countries, with a further 485 MW in construction and more than 2,000 MW of power projects in development.

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 Software** business is focused on delivering the intelligent applications and insights needed to accelerate electrification and decarbonization across the entire energy ecosystem – from how it's created, how it's orchestrated, to how it's consumed.

Grid Software business and GridOS® portfolio is trusted by global utilities to orchestrate a more sustainable energy grid and help deliver reliable and affordable electricity to their customers.

Power & Energy Resources Software helps improve reliability and drive decarbonization.

Proficy® Software & Services business delivers proven industrial software that improves efficiency and quality, enables connected workers, and operationalizes sustainability across diverse industries ranging from manufacturing to utilities.

https://www.gevernova.com/
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Media inquiries

Rachael Van Reen

GE Vernova | External Communications, Electrification Software
rachael.vanreen@gevernova.com
+1 678 896 6754

George Cazenove

Globeleq Africa Limited | Director of Communications and Government Affairs
george.cazenove@globeleq.com
+44 7557 286719