GE Vernova modernizes Sasol's Secunda power plant in South Africa

- The new upgrade increases operational efficiency at Sasol’s plant, while reducing NOx emissions significantly
- Project is expected also lead to water consumption savings equivalent to about 64 Olympic pools per turbine annually
- GE Vernova announced this project at Enlit Africa 2025 in Cape Town, South Africa

CAPE TOWN, SOUTH AFRICA (May 20, 2025) – GE Vernova Inc. (NYSE: GEV) today announced the successful completion of the modernization of global energy and chemical company Sasol’s Secunda power plant in Mpumalanga, South Africa. The modernization included the replacement of the existing pre-combustor system with a new DLN1+ combustor supplemented by the Fuel Gas Module (FGM) skid to increase the operational efficiency of the two installed 9E gas turbines and reduce carbon emissions.

This project serves as a model for modernizing power plants across Africa. As the continent faces increasing energy demands, initiatives like this highlight how innovative solutions can enable more efficient energy production with reduced emissions, without requiring entirely new infrastructure.

The upgrade led to significant improvements, including:

- Reduction of NOx emissions significantly below the guaranteed values of 25 ppm, representing a reduction of three quarters from previous level.

- Avoidance of using water as a diluent with the DLN technology, with an expected water consumption saving equivalent to about 64 Olympic pools per turbine annually.
- There was an efficiency improvement compared to the previous combustor, translating to approximately 10,000 metric tons less CO2 emitted per gas turbine, supporting Sasol's environmental objectives.
- Extension of the maintenance intervals, reducing downtime and operational costs.
- Enhanced reliability of the power supply delivered to the national grid.

"This project exemplifies our purpose to electrify the world," said **Joseph Anis, President and CEO of GE Vernova's Gas Power business in Europe, Middle East, and Africa**. "Building on our advanced combustion technologies, we are helping Sasol address South Africa's energy needs more efficiently. Together, we are demonstrating how advanced technologies can deliver tangible benefits for both businesses and communities."

This project will be showcased at Enlit Africa, taking place from 20 – 22 May at the Cape Town International Convention Centre (CTICC) in Cape Town, South Africa. GE Vernova's participation will include interactive activities at booth C22 in Hall 3 and speaking sessions covering a wide range of topics, including: a keynote on technology driven transformation, smart grids and the future of energy management, digitization and modernization of projects and accelerating women in energy.

GE Vernova has contributed to the development of the energy infrastructure in Africa for over a century, supporting power generation, transmission and distribution solutions, energy sector software applications, talent development, and community outreach.

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 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.

Follow GE Vernova in Middle East & Africa on their website and LinkedIn.

GE Vernova's **Gas Power** business engineers advanced, efficient natural gas-powered technologies and services, along with decarbonization solutions that aim to help electrify a lower carbon future. It is a global leader in gas turbines and power plant technologies and services with the industry's largest installed base.

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