



GE's Upgrade Exceeds Expectations and Boosts Power Plant's Output and Availability at Nigeria's Indorama Eleme Petrochemicals

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- GE successfully executed Performance Improvement Package (PIP) upgrade on the third of six 6B gas turbines
- Project increased overall plant output by over 10 Megawatts (MW), while boosting power plant's output and availability
- Executed PIP will improve plant's efficiency and reduce maintenance costs

[GE's upgrade at Indorama's Power Plant](#)

[PICTURE CREDIT: GE
IMAGE/JPEG - 1.05 MB](#)

PORT HARCOURT, NIGERIA — November 17, 2022 — In continuation of its operations improvement and power plant modernization plan [Indorama Eleme Petrochemicals Limited \(IEPL\)](#) and [GE Gas Power](#) (NYSE: GE) today announced that they have successfully executed GE's 6B Performance Improvement Package (PIP) upgrade on the third 6B gas turbine at the petrochemical facility in Eleme, Rivers State. This modernization increased the turbine's output by 5.1 Megawatts (MW), more than doubling the previously expected power output increase of 2.5 MW - and effectively bringing the cumulative power increase on all three turbines to over 10 MW.

"Refineries have very stringent reliability and safety requirements. GE's proven 6B gas turbine technology will bring added security and robust availability to the already high standards of Indorama's petrochemical operations," said a senior management official of Indorama Group of Companies. "We are delighted by GE's performance improvement package on our 6B turbine. It was executed on time to the highest standard of safety and quality. By increasing the availability and overall reliability of our power plant, we improved the performance of our operations, and we will be able to contribute to the nation's economic growth."

The upgrade will help extend the hot gas path component life of the unit, increase availability and lower maintenance costs by eliminating a combustion inspection and extending maintenance intervals between hot gas path inspections to as much as 32,000 hours. In addition, the upgrade is expected to increase output and enhance heat rate through improved materials and airflows, increase parts life up to 96,000 hours, reduce clearances and leakages, and enable firing temperature increases.

"This project underscores GE's commitment to supply the latest technology and services to meet the reliability demands of the petrochemical industry worldwide. More efficient power plants mean more power output available for power plant operators to respond to the growing energy needs of their end-users. With our customized and innovative solutions, we are laser focused on helping our customers increase operational performance, output, and profitability", said Kenneth Oyakhire, Services Executive of GE's Gas Power business, Sub-Saharan Africa.

GE 6B fleet is known for its ability to withstand extreme conditions —a reputation earned with a global fleet reliability of 98.4 percent, which is about 2 percent higher than the industry average and translates to approximately 17 more days of availability per year. GE's investment in our mature fleets help power producers and industrial operators remain competitive in today's very dynamic marketplace. In Africa, GE has an installed base of up to sixty 6B gas turbines at various locations. The fleet is mainly used for power generation for grid supply as well as for large industrial uses, like refineries.

GE powers plants that deliver flexible, efficient and reliable power to millions of people around the world. With almost 70 years of presence in Sub-Saharan Africa, GE has been collaborating with energy stakeholders to deploy innovative technologies tailored to respond to the needs of the Sub-Saharan Africa region with reliable baseload and flexible power. GE delivers across the entire energy ecosystem from generation to transmission and distribution and throughout the region, GE-built technologies are supported by GE local service and maintenance teams to help ensure access to reliable and sustainable energy.

About Indorama Eleme Petrochemicals Limited (IEPL)

Indorama Eleme Petrochemicals Limited (IEPL) operates state of the art Petrochemicals & Fertilizer plants, which produces a range of Polyethylene (PE) & Poly Propylene (PP) products as well as Ammonia & Urea Fertilizers. The PE and PP plants are licensed by Nova Chemicals, Canada, and Lyondell Basell of Italy, respectively, and the Olefins plant is licensed by M/s Kellogg Brown & Root of USA. The Ammonia plant is licensed by M/s Kellogg Brown & Root while urea is licensed by Toyo, Japan. The manufacturing plants are well supported by a captive power plant, technical and management support services.

About GE Gas Power

GE Gas Power, an integral part of the GE Vernova portfolio of energy businesses, is a world leader in natural gas power technology, services, and solutions. Through relentless innovation and continuous collaboration with our customers, we are providing more advanced, cleaner, and efficient power that people depend on today and building the energy technologies of the future. With the world's largest installed base of gas turbines and more than 670 million operating hours across GE's installed fleet, we offer advanced technology and a level of experience that's unmatched in the industry to build, operate, and maintain leading gas power plants. For more information, please visit www.ge.com/power/gas and follow GE's gas power businesses on Twitter and LinkedIn.

GE Vernova, a dynamic accelerator comprised of our Power, Renewable Energy, Digital, and Energy Financial Services businesses, focused on supporting customers' transformations during the global energy transition.

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