

GE Secures 7HA Combined Cycle Gas Equipment Order from ENEVA to Support Grid Reliability and Energy Transition in Brazil

- *Expansion of Eneva's Azulão power plant will aim to deliver additional 590 megawatts (MW) of energy to support the Brazilian electrical system*
- *This project marks the second GE 7HA.02 gas turbine order in less than six months for Eneva's Azulão complex—which is the second H-Class combined cycle plant in Brazil*

Atlanta, GA, April 13, 2023— GE (NYSE: GE) today announced it has secured a second order for its H-Class gas turbine technology from [Eneva](#), the largest private natural gas operator in Brazil, which is turning to GE's advanced HA combined cycle technology to expand the Azulão II Reserve Power Plant and support the ongoing energy transition in Brazil. The new plant will deliver up to 590 megawatts (MW) to contribute to the growth in the supply of gas as a fuel for the energy transition. The new power plant, consisting of a 7HA.02 gas turbine, an STF-A650 steam turbine, an H65 and an H53 generators, and a triple pressure reheat Heat Recovery Steam Generator (HRSG), is expected to achieve commercial operation in 2027.

In addition to proving reliable and complementary source to renewable generation by producing energy steadily, emissions from gas turbines can be further reduced in the future using hydrogen fuel and carbon capture technologies.

Eneva selected GE based on a long-established relationship between the two companies, which is built on more than half a dozen of GE 7F gas turbines reliably powering Eneva's power plants in Maranhão, Brazil for almost a decade. In October 2022, GE [announced](#) an order from Eneva to provide a GE 7HA.02 gas turbine for Azulão reserve power plant, built next to this newly announced power plant. The construction of the original first reserve power plant began in late 2022, targeting the start of commercial operation by 2026.



“GE’s highly efficient, reliable and advanced H-class combined cycle plant can provide the needed flexible power to support Eneva’s isolated natural gas production operations and Brazil’s power grid,” said Dave Ross, President & CEO for GE Gas Power in the Americas. “This project marks the second GE 7HA.02 gas turbine for Azulão power plant and we’re honored that Eneva has once again selected GE’s highly efficient and flexible technology for Eneva’s power generation complex.”

The addition of a heat recovery steam generator (HRSG) and steam turbine/generator will increase Eneva Azulão II plant’s energy efficiency by diverting thermal energy from being released to the atmosphere to power the steam turbine and generate up to an additional 230MW. The steam turbine will join one of over 85 STF-A650 units in commercial operation in 18 different countries across the globe.

This project is GE’s second H-Class combined cycle plant in Brazil. For the first project at Port de Sergipe thermal plant, GE provided a turnkey solution, including power generation equipment, full engineering, procurement, and construction (EPC) of the gas power plant and grid construction, as well as the nearby associated grid interconnection systems. The plant, operated and maintained by GE, features three 7HA.02 gas turbines powering three H65 generators, an STF-D650 steam turbine powering a 60WT23E-110 generator, and triple pressure reheat HRSGs. With a capacity up to 1.5 gigawatt (GW), Port de Sergipe is one of the largest gas plants in Latin America. It achieved commercial operation in 2021, and it was acquired by Eneva in 2022.

GE has been present in Brazil more than 100 years, helping power approximately 30% of the energy produced in the country and about one-third of all energy generated throughout Latin America.

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About GE Gas Power

GE Gas Power 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 [@GE Power](https://twitter.com/GE_Power) and on LinkedIn at [GE Power](https://www.linkedin.com/company/ge-power).

GE Gas Power is part of 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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