

SPIC Brasil and GE Vernova accelerate the modernization of the São Simão hydroelectric plant, achieving important performance milestones

- Collaboration in engineering leads to a significant reduction in unit downtime.
- Upgrade program enhances efficiency and safety for long-term national energy security.
- The transition to 100% digital control systems marks an upgraded standard for asset performance.

SÃO PAULO, Brazil (September 14, 2026) - SPIC Brasil, operator of the São Simão Hydroelectric Power Plant (UHE), located on the border between Goiás and Minas Gerais, and GE Vernova Inc. (NYSE:GEV) today announced the successful completion of the modernization of Generating Unit (UG) 3. This is the third unit, out of a total of six, to undergo complete renovation. This milestone was achieved in 10.3 months, a shorter period than that recorded in the previous units and below the regulatory limit of 12 months established by the National System Operator (ONS) and the National Electric Energy Agency (Aneel).

The modernization of the 1,710 MW power plant, which supplies energy to approximately 6 million homes, is being carried out by a consortium led by GE Vernova and including Powerchina, responsible for supplying the hydromechanical, SDSC, and electrical and mechanical BOP systems. By integrating specialized engineering, proprietary technology, and a unified focus on operational excellence, the project helps ensure that the plant will operate with superior reliability for the next 30 years.

Technical execution and operational synergy

The project involved extremely complex logistical and engineering challenges. The dismantling phase alone, necessary to begin the modernization, took approximately three months. During the process, teams moved gigantic structures, handling parts weighing up to 410 tons, including the operation of a 12-meter-high railcar gate.

With the delivery of UG3, the schedule is progressing and the team is already preparing for the shutdown of UG1, which will be the fourth generating unit on the list to begin its modernization cycle.

“The lessons learned during the modernizations of previous generating units have allowed us to put continuous improvement into practice, which is one of our company’s core principles. Furthermore, we are capturing synergies with the plant expansion project, the future UG7. Everything is very well connected. Even with distinct teams dedicated to each project, we operate with similar processes, share resources, and maintain a high level of collaboration to help ensure the excellence and safety of both projects,” highlights [**Adriana Waltrick**](#), **CEO of SPIC Brasil**.

GE Vernova manages the entire engineering, integration, installation, and commissioning process for the plant’s main systems, including turbines, generators, and auxiliary equipment.

“The São Simão Hydroelectric Plant is a fundamental asset for the country’s energy. Completing this challenging stage, well below the average industry timeframe, reinforces the technical capacity of our team. This successful collaboration with SPIC Brasil and our consortium partner, applying lessons learned and utilizing GE Vernova’s experience in modernization projects, demonstrates how the efficient refurbishment of existing plants is, today, one of the smartest and most competitive ways to help support national energy security and update the infrastructure of the electricity sector,” stated [**Cláudio Trejger**](#), **CEO of Hydro Power at GE Vernova in Latin America**.

Project scope and strategic investment

The robust modernization program is driven by an investment exceeding R\$ 1.2 billion distributed over ten years. The initiative aims to increase the efficiency, reliability, and safety of the São Simão Hydroelectric Plant, helping to support its operational excellence for another three decades.

The complete project for the six units is expected for completion in 2029 and is structured in seven major packages, ranging from the replacement of transformers and the refurbishment of overhead cranes to the complete transition of control systems – which will change from an analog architecture to a 100% digital one.

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About SPIC Brazil

SPIC Brasil invests in the generation of secure energy, focusing on renewables and respecting the communities where it operates, contributing to the energy transition and boosting the country's energy potential. With 5.6 GW of assets in Brazil (considering the total installed capacity of each), it operates the São Simão Hydroelectric Plant, on the border between Minas Gerais and Goiás; the Millennium and Vale dos Ventos wind farms in Paraíba; and holds a 70% stake in the Marangatu (PI), Panati (CE), and Luiz Gonzaga (PE) Solar Complexes. In addition, the company is building the Paraíso Farol and Pedra de Amolar wind farm complexes in Touros (RN), and is a shareholder in the largest natural gas complex in Latin America, GNA (Gás Natural Açu), in São João da Barra (RJ). For more information, please consult the SPIC Brasil Annual Sustainability Report on the [website](#). The company is part of the SPIC Group, present in 47 countries, with more than 130,000 employees, 292 GW of installed capacity and constant investment in renewables, being the largest generator of solar energy and the second largest generator of wind energy in the world.

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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 **Hydro Power** business produces advanced technologies that harness the power of water to help deliver reliable power to some of the world's largest economies and remote communities

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