



GE VERNOVA

“We are implementing state-of-the-art technology across all systems that make up a hydroelectric power plant, bringing the very best that exists today. Several systems will be updated, including the control systems, the network system, the SCADA system, and all the necessary infrastructure for the control systems to operate. We will also upgrade all auxiliary mechanical and electrical systems, and most importantly, the core — the driving force — the part that generates the electricity itself. The generating units themselves will be updated.

This is a 14-year project. We are now in the stage of developing the detailed engineering designs, and many of the components are already in production, some of them even stored in Itaipu Binacional’s warehouses, ready for assembly and testing during the installation phase of this equipment. We are currently assembling the secure room, which will house the control systems, including the functional components and systems such as SCADA and others. Following that, we will begin — or are already working on — the equipment acquisition for the generating units, which are scheduled to begin assembly next year, in 2026.”

Guillermo Benitez Oviedo, Engineering Coordinator at Itaipu for the Modernization Project – Paraguay team