

Control of the wastewater pumping station after generator cooling at Hoa Binh Hydropower Company

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Abstract: During the operation of a hydropower system, effective control of the generator after-cooling wastewater pump station plays a key role in ensuring stability and energy optimization. This project aims to build an automatic control system for the pump station, meeting the requirements for efficient temperature management. The research method combines theory with experimentation, through simulation and practical testing at Hoa Binh Hydropower Company. The expected results will bring significant improvements in the operation process, enhance generator performance, and reduce energy costs.

Keywords: Automatic control, hydropower, wastewater pumping station, temperature system