

Building a sensor network for application in the Hoa Binh hydropower plant.

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Abstract: This topic aims to meet the demand for automation and safety monitoring at hydropower plants through the construction of a sensor network. Based on the actual context, the topic identifies the necessity of a system for monitoring operational performance and equipment maintenance at the Hoa Binh hydropower plant. The research method is based on combining sensor network theory with experimental deployment of applications at a specific site. The expected results are the enhancement of management capacity and improvement of system reliability, while contributing to the development of automation technology in the hydropower sector.

Keywords: Sensor network, Hydropower plant, Automation, Safety monitoring, Renewable energy