

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

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Abstract: This topic focuses on building and deploying a sensor network to enhance the operational performance of the Hoa Binh hydropower plant. The practical context shows that effectively managing the mechanical systems and equipment within the plant requires a comprehensive monitoring and automation solution. The research objective is to build a flexible sensor network capable of collecting real-time data on critical technical parameters. The applied method combines sensor network theory with on-site experimentation at the plant to ensure application effectiveness. Expected results include significant improvements in management and operation, while contributing to the development of automation technology in the hydropower industry.

Keywords: sensor network, automation, hydropower plant