

Network of smart objects applied in building automation

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Abstract: In the context of increasing demand for energy savings and operational efficiency improvement, this topic focuses on researching and deploying a network of smart objects (IoT) to enhance the automation process in buildings. The objective is to build an IoT system capable of monitoring and optimally managing equipment status, indoor environment, and overall operational performance. The research methodology includes both theoretical aspects of IoT network design and experimental deployment in a model building. Expected results will significantly contribute to creating intelligent automation solutions, enhancing operational performance management capabilities for buildings.

Keywords: IoT network, Building automation, Energy optimization, Smart devices, Environmental monitoring