

Flood warning solution using LoRaWAN technology

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Abstract: In the context of increasingly complex natural disasters, developing an early flood warning system has become essential. This study focuses on building a solution based on LoRaWAN technology to improve monitoring capabilities and rapid response to flood situations. Through an experimental research method, the system is deployed in an urban area to collect water level data from sensors placed at multiple key points. The expected results will make an important contribution to disaster prevention and the protection of community assets.

Keywords: Flooding, LoRaWAN, Sensors, Urban, Disaster prevention