

Building a gas monitoring and warning system

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Abstract: In the context of increasing risks caused by gas in public areas, this project aims to develop an automatic monitoring and warning system to ensure safety. Through theoretical research combined with experimentation, we apply signal analysis and machine learning methods to process data from gas sensors. The expected outcome is to build an effective system capable of early detection and timely warning of gas danger levels, contributing to the prevention of unfortunate accidents.

Keywords: monitoring system, machine learning, gas sensor, public safety, automatic warning