

Research on designing a system for monitoring dust concentration in the air

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Abstract: In the context of increasingly severe air pollution, this topic focuses on designing and implementing an automated system to monitor airborne dust concentrations. The objective of the research is to create a technical solution that provides accurate environmental quality information to regulatory agencies and the public. The proposed method uses spatial sensors based on experimentation and simulation to collect data, which is then analyzed to identify risks from airborne dust. The expected results will contribute to improving the understanding of air pollution issues and support effective environmental management decisions.

Keywords: Air pollution, Space sensor, Monitoring system, Environment, Quality management