

Building the ECT20 device for fine dust concentration sensor in the air.

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Abstract: In the context where air quality is becoming a major concern, the development of the ECT20 sensor device to measure fine particulate matter concentration in the air is proposed as a practical solution. The objective of this project is to develop an accurate and stable sensor system to provide reliable information for air quality monitoring and management. Through a combination of theoretical research and experimentation, this project aims to contribute to improving awareness of air pollution levels in urban areas, thereby supporting more effective policy decisions and actions.

Keywords: ECT20 sensor, fine dust concentration, air quality management