

# IoT Based Air Pollution Monitoring System

A Project report submitted in partial fulfilment  
of the requirements for the degree of B.E in  
Computer Science and Engineering

By

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## ***PHASE 2: INNOVATION***

*“Sensing technologies are the new eyes and ears for cities to understand air quality, as well as the sources and health risks from pollution. We have a unique opportunity to work with technology innovators, academia, private sector and civil society to connect health and technology to truly clean the air we breathe.”*

In some parts of the world, a lack of data makes understanding local pollution—and its impact on community health—nearly impossible.

New, lower-cost air pollution sensing technologies can change that. These new sensors are not only more accessible than traditional monitoring methods. They also show how pollution changes from neighborhood to neighborhood, or even block to block.

This kind of hyperlocal data can shine a light on previously invisible hotspots, helping officials and empowering communities to make a stronger case for changes that protect public health and the environment.

### **Opportunities for Cities and Businesses**

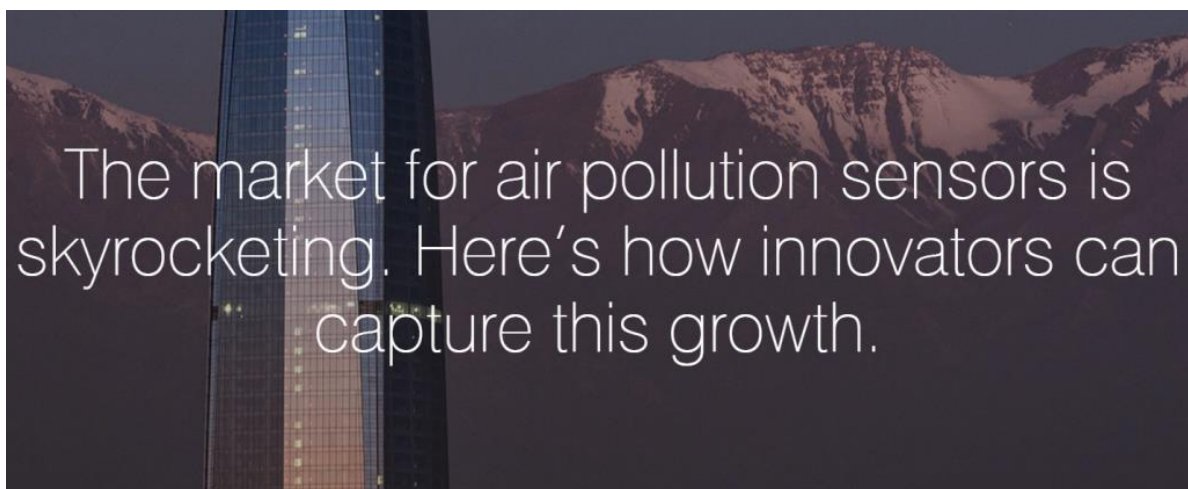
Cities can use hyperlocal pollution data to invest in clean transportation, create clean air zones, change land use rules and more efficiently set and enforce pollution and emissions rules.

This expanding field brings not only opportunities for cities and activists, but for companies with expertise in sensing technology, fleet management and data analysis.



## A Growing Market for Pollution Sensors

Tech entrepreneurs can help cities tackle their air pollution challenges by investing in the growing market for monitoring technology. Until now identifying funding opportunities has been challenging. Learn more about the report and key findings .



# Exploring Investments Across the Globe

Entrepreneurs and technology innovators can help solve air pollution challenges by investing in the growing market for sensor technologies. Public investments ,private innovation: The global market for air quality monitoring provides a landscape of regional demand, public funding opportunities and policies for air quality monitoring to guide technology providers exploring and investing in new markets. The report focuses on five regions: the United States and Canada, the European Union, Latin America, India, and China.

**Public investment,  
private innovation:**

**The global market  
for air quality  
monitoring**





