

# BUGGYAIR

## HELPING PARENTS UNDERSTAND THEIR CHILD'S EXPOSURE TO AIR POLLUTION

*By IOT Academy*

Project URL: <https://www.iotacademy.org/group/buggyair>

Project Twitter: [@IoTAcademy](https://twitter.com/IoTAcademy)

- Environment & Sustainability
- Data
- Physical Computing

BuggyAir is an accurate mobile sensing kit that helps parents understand their child's exposure to air pollution. Using new sensor technology, BuggyAir measures ground-level air pollution and uses the generated data as evidence for long-term behavioural and legislative change.

This compact air quality monitoring and GPS tracking sensor is fitted to a child's pushchair. The GPS records the precise location of each data point, and an in-built accelerometer intelligently combines with the GPS to determine when a pushchair is being walked around, or is instead travelling in a bus or the back of a car. It is currently being trialled with parents in London.

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