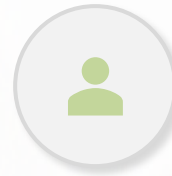


CASE STUDY

Air Quality Monitoring



“Insight into the air quality of potentially heavily populated rooms has provided us not only with the data to take any action required, but also improved student and staff well-being; any member of the university can view the reading on their smartphone, providing reassurance ”



Southampton University

Leading UK University takes the initiative with air quality monitoring.



Problem

Post pandemic concern for the air quality in internal rooms where large groups of student gather. There was no insight to determine what action should be taken, if any.



Solution

To install a cloud-based air quality monitoring system that would run off the local Wi-Fi network and be visible to students.



Result

100% visibility of air quality in rooms of concern, which provided reassurance and increased wellbeing amongst staff and students.



 **psi technologies**

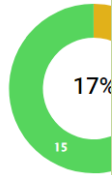
The Detail

Air Quality Monitoring

Building 02A

Southampton, SO17 1TR, UK
2 devices

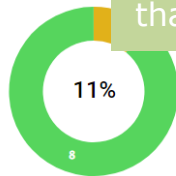
Orange Zone 17 %
Green Zone 83 %



Building 019

Southampton, SO17 1BJ, UK
1 device

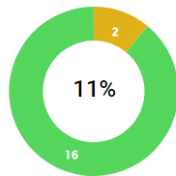
Orange Zone 11 %
Green Zone 89 %



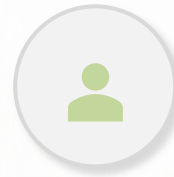
Building 067

Southampton, SO17 1BJ, UK
2 devices

Orange Zone 11 %
Green Zone 89 %



“Everything about this system is clean and simple, and individuals feel empowered by the insights they have into their environment. And we love the transparency element to it; even if a result is negative, the positive of taking action far supersedes that ”



Southampton University

Leading UK University takes the initiative with air quality monitoring.



The Technology

The sensors within the compact monitors:

- Carbon Dioxide (CO₂)
- Particulate Matter (PM_{2.5})
- Nitrogen Dioxide (NO₂)
- Humidity
- Air pressure
- Carbon Monoxide (CO)
- Temperature
- Airborne Chemicals (VOCs)
- Ozone (O₃)



System Requirements

- Wi-Fi Network: 802.11 B/g/n @2.4GHz
- Power supply: 5V DC power adapter (provided)
- Interface: Smartphone or tablet
- Software: Free uHoo mobile app

Installation by:



 psi technologies