



Indoor Environmental Quality Monitoring

We make IEQ
monitoring easy

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CUNDALL

Did you know?

90% of our lives are spent indoors: it has lasting impacts on our bodies and business.

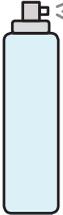


Salary expenses typically surpass operating costs of an office building over its life span. Productive built environments mean higher labour efficiency and lower overhead costs.

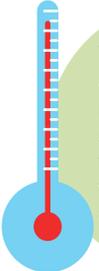


VOC

Cognitive functions work 61% better with low concentration of VOCs and 100% better with high outdoor air ventilation rate.



Thermal discomfort affects work performance. An optimised temperature in the workplace boosts staff productivity.



CO₂

Decision-making performance drops significantly when indoor CO₂ levels are 20% higher than design standards.



You cannot manage what you do not measure

Most office buildings do not monitor their indoor environment beyond air temperature and humidity. Monitoring IEQ needs a much wider range of indicators, involving large initial capital investments.

Thanks to technological advancements, what was once an expensive, lengthy and cumbersome exercise, can now be streamlined in an affordable, quick and easy process.

Cundall offers a one-stop shop enabling clients to monitor their indoor environmental quality. Using our expertise in IEQ and engineering, we can now help clients to measure the key indicators that are most related to building's IEQ performance in a compact smart sensor.

Our sensors work as long as there is a power supply and a Wi-Fi connection. They can also be used in areas that building BMS sensors cannot access, or areas that our clients wish to focus on improving.



Why IEQ matters?

With increasing awareness of the relationship between IEQ and health and wellbeing, IEQ is no longer a subject only concerning engineers and scientists. It is now a concern for all building users.

Besides comfort, IEQ has a strong correlation with Sick Building Syndrome, occupant health and productivity. Managing IEQ is at the top of the agenda for many facilities managers.

Visualise the Invisible

Data is no good if they do not mean anything to users. We aim to convey practical insight and meaning in our findings for decision-makers and troubleshooters to use.

All data is logged and uploaded to the cloud and benchmarked against different leading standards.

We will translate the measurement data into a graphical and easy-to-understand information or senior management reporting and decision making. In-depth technical analysis will also be provided for facilities managers and engineers to develop solutions.

Comprehensive IEQ Solution

If a building is performing well, we can provide the confidence and verification of its performance. Formal laboratory tests and certification can also be arranged if required.

If there are any IEQ issues, our IEQ specialists will take measurements, identify potential problems and causes, quantify their impacts and develop solutions based on findings.

