

Milesight

***Air Quality
A Big Priority
During Post-COVID-19***

HCHO

PM2.5
&10

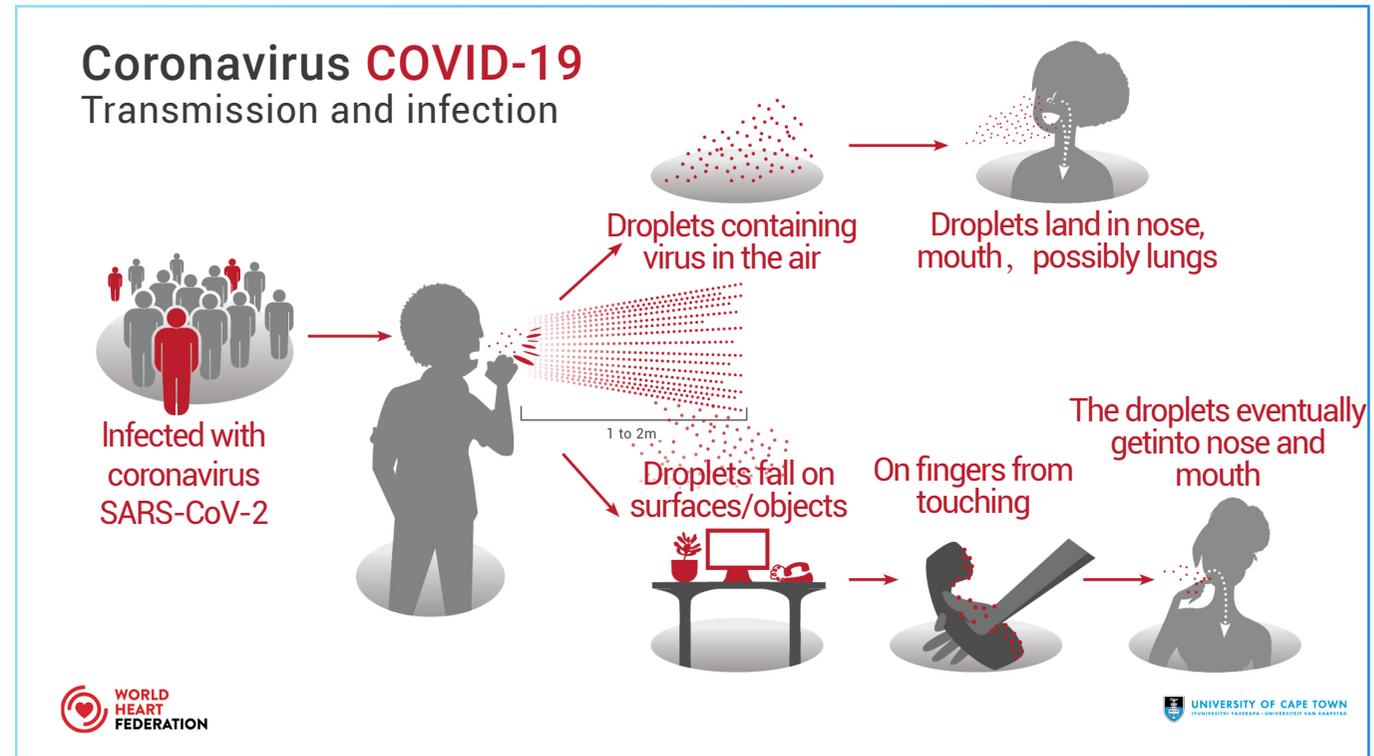
TVOC

CO₂

O₃

8 MINS

HEALTHY AIR IS A REQUIREMENT, NOT AN OPTION.



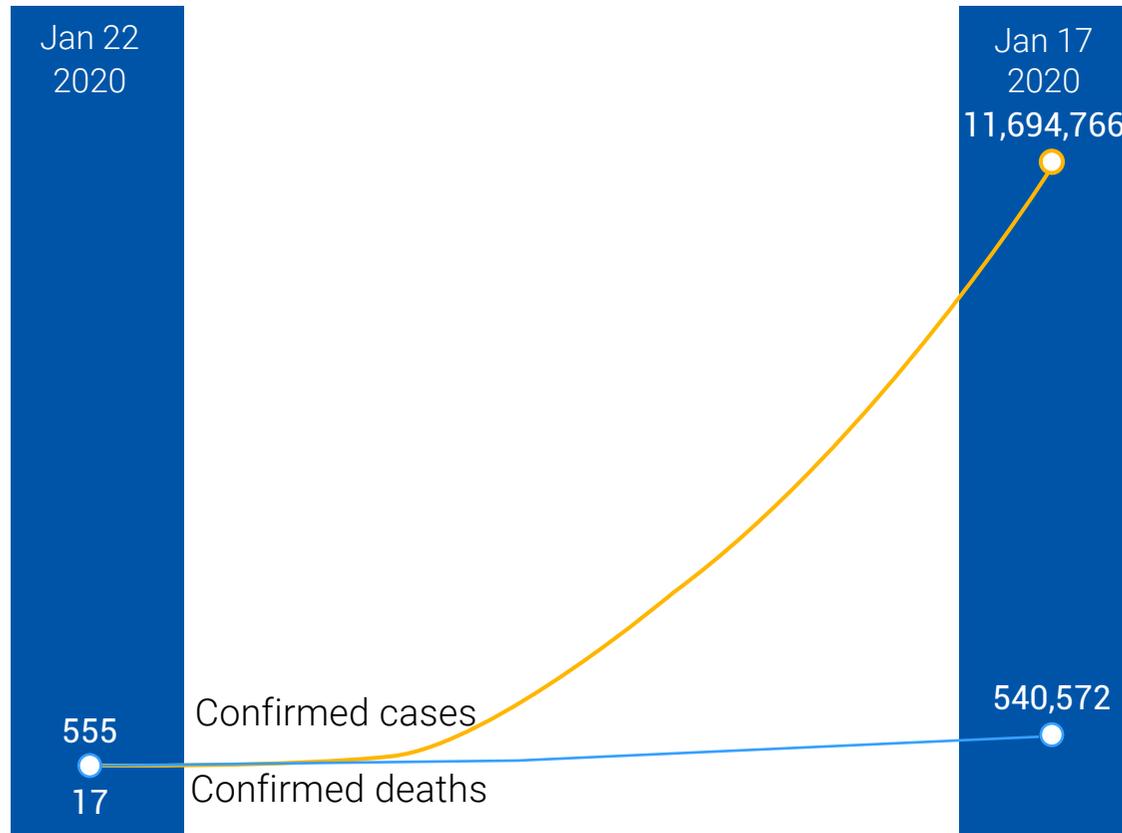
***Sources:**

1. "The airborne lifetime of small speech droplets and their potential importance in SARS-CoV-2 transmission" report by The University of Pennsylvania and the National Institutes of Health published in the journal 'Proceedings of the National Academy of Sciences.
2. Photo credits to World Heart Federation

Research indicates the coronavirus could remain in the air for more than **eight minutes** after talking. Normal speech could generate airborne droplets that can remain suspended for **tens of minutes or longer** and are eminently capable of transmitting disease in confined spaces.

Global coronavirus cases and deaths

(at end of Jul 7)



PA graphic. Source: Johns Hopkins University Coronavirus Resource Centre

The World Health Organisation (WHO) has acknowledged there is “emerging evidence” that Covid-19 could be spread through particles in the air.

“We believe that we have to be open to this evidence and understand its implications regarding the modes of transmission, and also regarding the precautions that need to be taken.”
Says Professor Benedetta Allegranzi, technical lead for infection prevention and control.

*Sources:

Photo credits to Johns Hopkins University Coronavirus Resource Center

Masks? Medicine? Hands Sanitizer? Social Distancing? Not Enough! You Need More Protection!

Drawbacks of Natural Ventilation



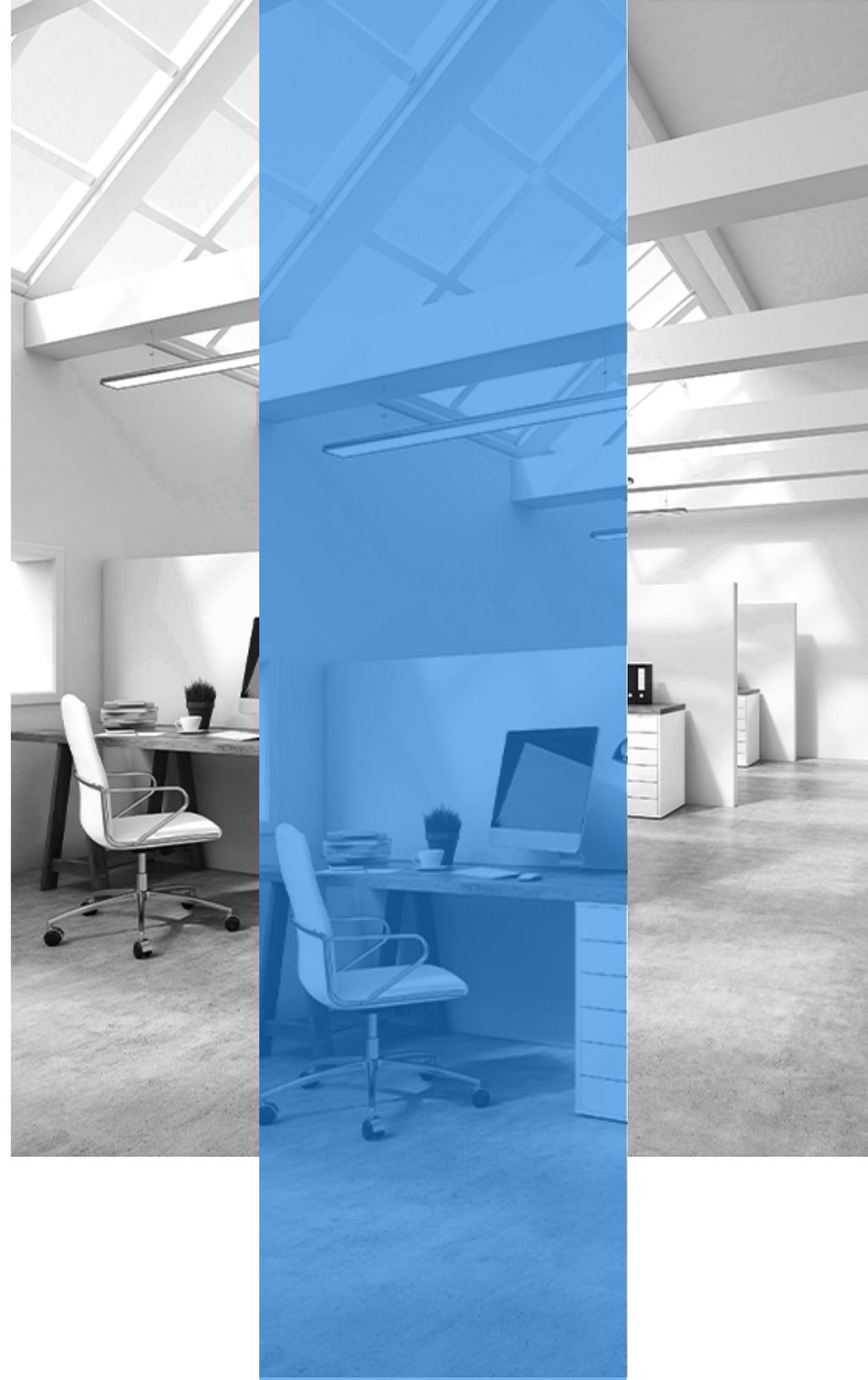
You have negligible control over it, especially the airflow direction. Improper natural ventilation significantly increases the risk of airborne pathogens being transmitted.



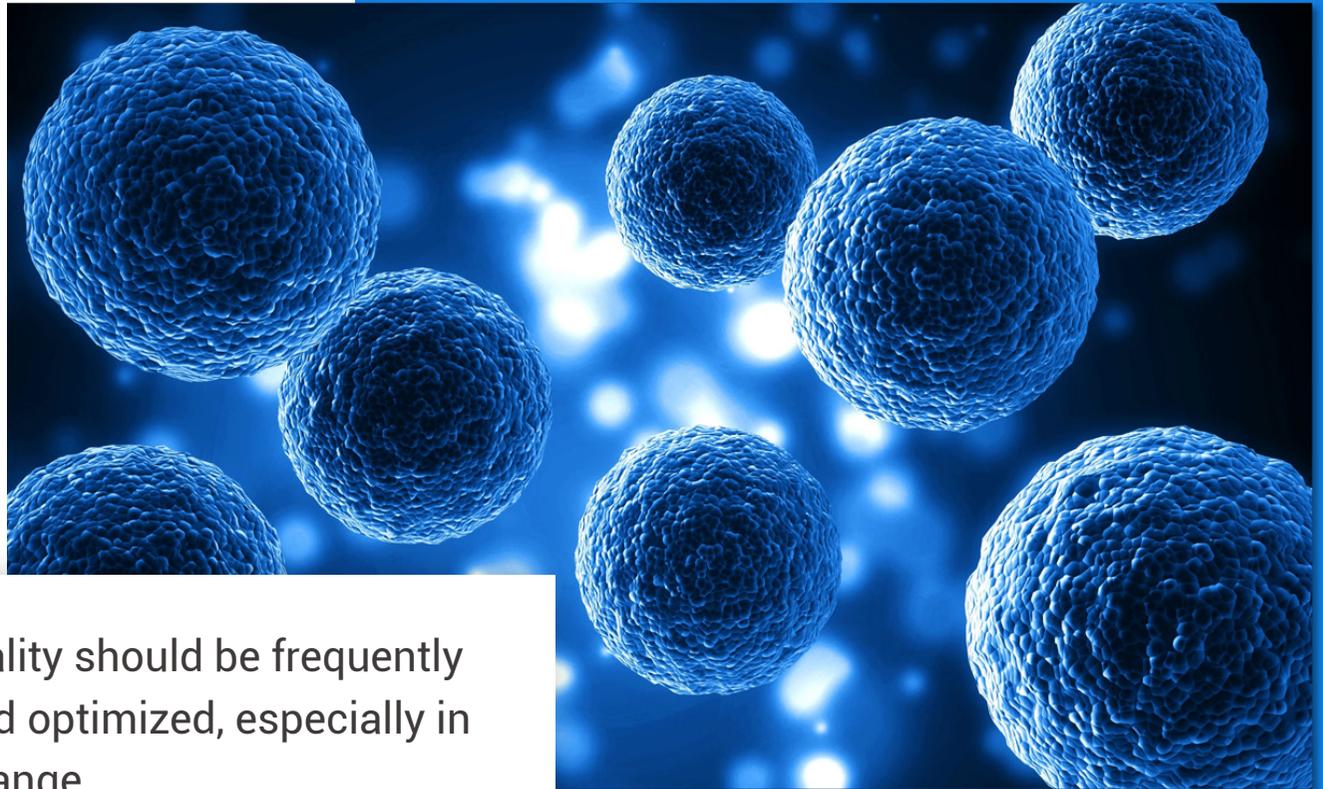
“ Ensuring Health of Occupants

Milesight has always been a celebration of IoT technology and its ability to improve lives. We remain optimistic that technology can help address the challenges we face together. And it means giving you the tools to increase your knowledge, success, health, and happiness.

Clean air in indoor environment means healthier, more productive people. A modern building supports the confidence of the people who use it. Using our understanding of indoor environments, IAQ Solution will soon give you the insights to make the safer and healthier decision. At scale, this has potential to significantly increase productivity and efficiency.



KEEP POLLUTION AT BAY



Your air quality should be frequently checked and optimized, especially in times of change.



Ventilation

Proper air exchange can dispel odors, chemicals and CO₂, while balancing energy use and reducing disease transmission.

Temperature

Maintaining proper temperatures in your building not only improves occupant comfort but can also potentially minimize the growth and spread of many pathogens.

Humidity

High humidity levels can promote the growth of bacteria and mold and create an environment where dust mites can thrive. Lower humidity creates other concerns like dry, itchy skin, transmission of viruses and irritation of the upper respiratory system.

Indoor air quality Pathogen Control

Check current critical air measurements or analyze historical levels to detect important changes. It is helpful to check key indicators, such as carbon dioxide (CO₂), particulate matter 2.5 & 10 (PM_{2.5} & 10), total volatile organic compounds (TVOC), formaldehyde (HCHO), Ozone (O₃), measuring temperature, and relative humidity.

Analytics

Deploying tools that monitor your indoor air quality 24/7 for better management. By connecting your Milesight LoRaWAN[®] sensors and gateways to Milesight IoT Cloud, you can read visualized data on the intuitive dashboards. It brings together all the notifications and status on your devices, organizes them and highlights the important stuff.

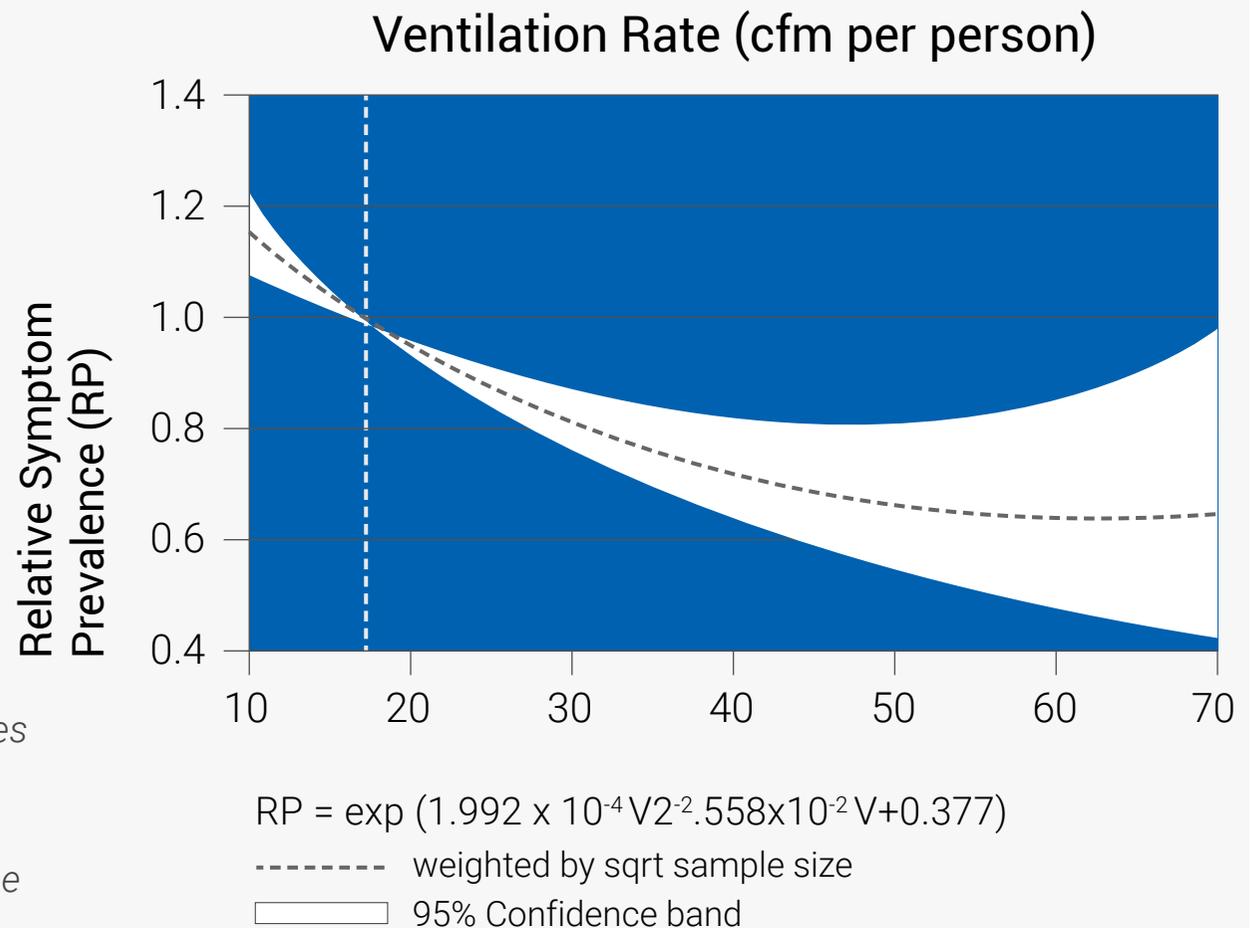
REDUCING RISK OF COVID-19 THROUGH VENTILATION AND AIR QUALITY

The figure estimated relative Sick Building Syndrome symptom prevalence in office workers versus ventilation rate.

*Sources:

1. <https://iaqscience.lbl.gov/ventilation-rates-and-sick-building-syndrome>

2. Sick building syndrome (SBS) is a condition in which people in a building suffer from symptoms of illness or become infected with chronic disease from the building in which they work or reside.



SAY GOODBYE TO SICK BUILDING SYNDROME

Protect your entire space from all of the little things floating in the air and lingering on surfaces.



Milesight IoT Cloud



AM103



AM107



AM319



UG63



UG65

Milesight
IAQ Solution
LoRaWAN®

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ALL IN ONE

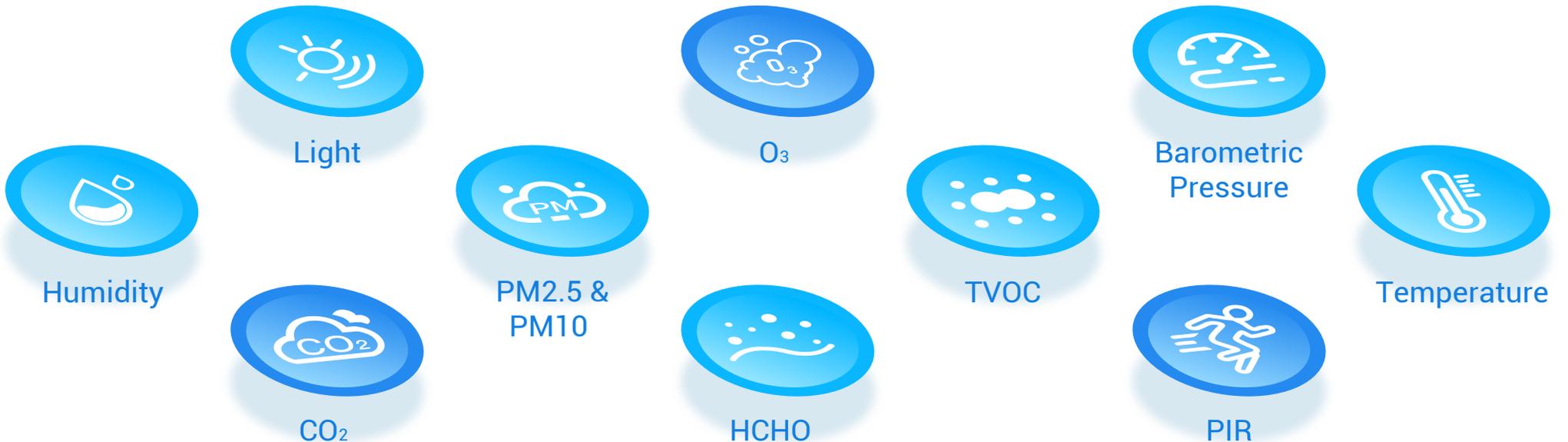
Milesight Indoor Air Quality (IAQ) Sensor can monitor the air people breathe as occupancy fluctuates and people interact. IAQ Sensors can detect:



3-in-1 IAQ Sensor

7-in-1 IAQ Sensor

9-in-1 IAQ Sensor



Humidity

Light

CO₂

PM_{2.5} & PM₁₀

HCHO

O₃

TVOC

Barometric Pressure

PIR

Temperature

FLOWING WITH THE NEW NORMAL VIBE

We've kept ourselves safe and healthy by careful protection yet without effective information. Now it's time to be out of the woods.

