

The current pandemic has accelerated efforts to improve the well-being of building occupants.

It has now become even more crucial that a buildings BeMS system is working effectively to promote a healthy environment, maintaining and improving productivity of occupancy and ensuring a safe working environment.



IoT (Internet of Things) gives buildings owners the data to understand just how well their building is performing, and now with **AirThings'** latest product release, building owners can give reassurance that their building is working to minimise the risk of viral transmission. Collecting & sending data every 5 minutes, the **AirThings WavePlus** can be easily deployed throughout a facility or portfolio.

With integration to the Cloud, data can be ingested into the local BeMS. Meaning, a BeMS strategy can now react to not just how warm/cold a space is, but how well it is promoting a healthy & safe environment. A **24/7 Bureau** service would monitor & maintain the local BeMS, helping to drive energy savings by optimising localised strategies and operations supported by various industry leading data analytical tools.

However, collecting data from sensors is only one part of the puzzle. Understanding the data that's collected and driving change, solving challenges and delivering the results will ultimately deliver the business results and goals. Reporting and analytical insights provide the building operator & the 24/7 Bureau team with tools to continually optimise the facility.

Key Benefits

-  Virus risk indication
-  CO₂, temperature, humidity, radon, TVOCs, pressure and light level monitoring
-  Real time air condition reporting and response service
-  Unique expertise to drive programmatic real-time change
-  Cloud integration to 24-hour monitoring service
-  Interactive BeMS operation to reduce risk to occupants
-  Simple, non-intrusive installation of wireless devices
-  Customisable dashboards, analytics, alarms & reports
-  Data integration into BeMS and other third party systems
-  Understanding of your indoor air quality

What if I already have a sensor installed?

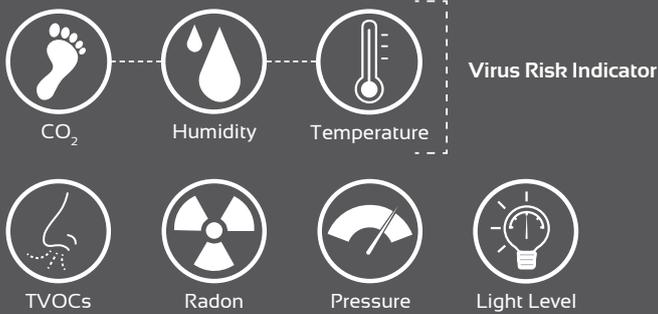
Even if your building already has the Airthings Wave Plus sensor installed and connected to your BeMS via the cloud, Optimised Spaces can help. Our team of engineers are on hand to recommission your equipment, integrating Airthings' sensors and customised control programs, so your BeMS can make real-time adjustments to your room CO₂, humidity and temperature levels - making the environment inhospitable to airborne viruses.

Therefore reducing the risk of virus spreading, all whilst reducing energy consumption and improving overall comfort levels.

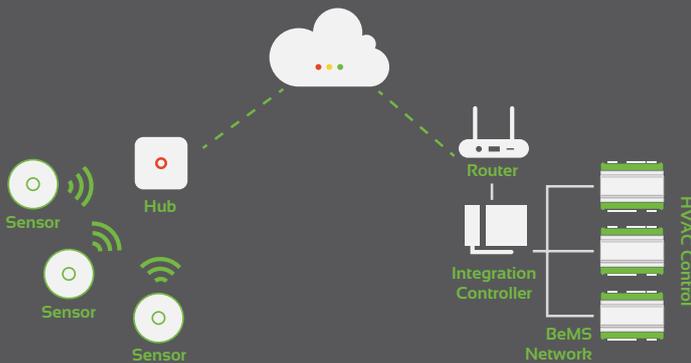
How does it work?

The **Virus Risk Indicator** looks at four factors of airborne virus risk to rank your risk level out of 10; virus survival rate, room occupancy, ventilation rate, and the body's natural defences. These four factors use data based on three existing sensors in **Airthings' Wave Plus for Business**: CO₂, temperature and humidity.

Monitoring 7 parameters, every 5 minutes



Bems Integration to Monitor Virus Risk



Optimised 24/7 Bureau

Once your solution is deployed we can also provide you a managed service to manage your sensors, data and insights as your service provider. Our deep knowledge of buildings, HVAC, controls, BeMS and integration means we are in a great place to help you develop your IoT aspirations and turn them into reality.

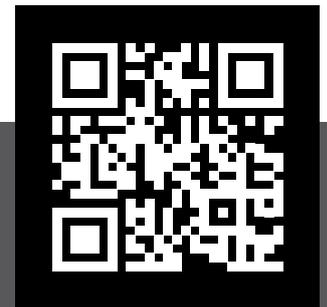


What doesn't the Virus Risk indicator do?

- ✗ **Address all transmission routes** - The Virus Risk Indicator only takes into consideration the microdroplets that remain airborne for long periods of time and can travel long distances indoors. It does not look at other factors, such as surface contact and sneeze droplets.
- ✗ **Stop viruses** - The Virus Risk Indicator doesn't stop or kill viruses in a building, but it provides an indication of how high the risk of airborne transmission is. Allowing you to take action in order to mitigate the risk of passing a virus from one person to another, as a result of poor indoor air quality.
- ✗ **Act as a COVID-19-specific indicator** - Airthings' Virus Risk Indicator can be used for all airborne viruses, such as flu, and is not solely applicable to COVID-19.



Check out our website



Watch our video

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