

MyTAG develops Air Quality Monitoring Solution with Savills

Indoor air quality is a concern to businesses, building managers, tenants and employees because it can impact the health, comfort, wellbeing and productivity of building occupants. Most employees spend up to 90% of their time indoors and many spend most of their working hours in an office environment. Pollutants in our indoor environment can increase the risk of illness and absenteeism, as well as reducing productivity.

PM2.5 (particulate matter measuring <2.5 micrometres in diameter) is widely regarded as the pollutant to pose the greatest hazard to human health, given that its tiny size can penetrate deep into the human lungs and beyond, into the bloodstream. Particulate pollution is primarily a product of diesel vehicles, tyre and brake dust, and solid fuel-burning, and can also come from boilers and kitchen equipment inside a building itself.

CO₂ (an indication of confinement) is a less hazardous, but an equally important indoor pollutant. When rooms are not properly ventilated, human respiration can build up quickly, having a negative impact on concentration and tiredness, whilst creating an environment that allows bacteria and viruses to spread more easily.

Improving customer experience and wellbeing

Savills is a leading global real estate provider providing best-in-class advice to individuals, businesses and institutions in their property decisions. When Savills' Building Performance Manager, Sylvain Thouzeau, wanted to monitor building air quality as part of the health and wellbeing programme he approached MyTAG to develop a solution.

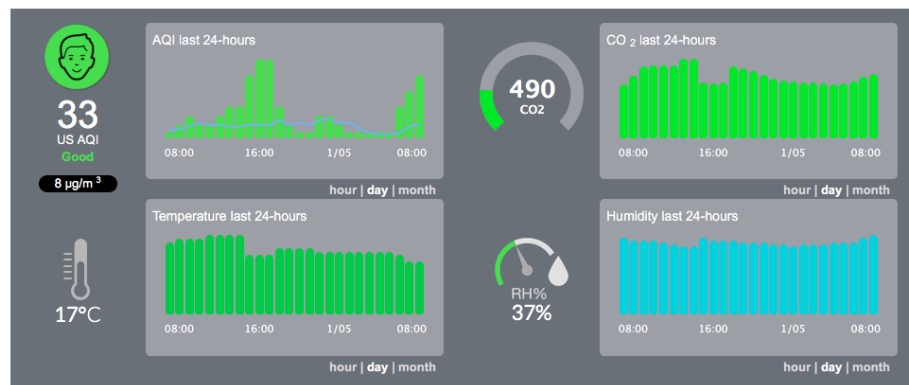
Indoor air quality has traditionally been monitored by consultants for Savills, who took measurements annually, but a system was needed which would allow continuous monitoring, to allow improvements to be made where necessary, to provide healthy working environments. The solution needed to be low cost, easily scalable, able to monitor air quality in various building locations and able to provide easy access to information for tenants and their visitors.



The solution developed, MyTAG Air Quality Monitor (AirQ), uses sensors to measure PM2.5, CO₂, temperature and humidity, allowing the indoor air quality to be measured in real time. Multiple sensors can be positioned around the building and the MyTAG platform collects the data, allowing variations across the building and with time to be monitored and analysed. The information can be accessed online or via an App and it is also made available via the building portals.

Data analysis and evaluation, by time and location, and from building to building has allowed opportunities to improve indoor air quality to be identified. These have sometimes been straightforward, such as adding plants to areas to help reduce CO₂ levels, and sometimes more involved such as changing the air flow into buildings in areas of high traffic density.

The App also allows access to the world's largest global database of outdoor air quality data.



Sylvain Thouzeau commented: “MyTAG Air Quality Monitor allows us to have a better understanding of how our buildings are performing, but also gives us the opportunity to display live indoor air quality data on our online portal, reception screens and app to guarantee for our visitors, occupiers and clients that the buildings have a healthy indoor environment. This is a vital part of ensuring everyone’s wellbeing. Working with MyTAG has been a game changer in the way we are able to monitor and manage buildings.”

Mike George, Founder and Director MyTAG said: “Savills has been using the MyTAG Proof of Presence, Key and Asset Management, Proof of Compliance and Postroom solutions for some time, bringing service quality improvements and efficiencies. MyTAG Air Quality Monitor is helping them to provide exceptional places to work by improving wellbeing and providing building users with easy access to information on the air quality in the areas where they work.”