bics

A global IoT solution for
monitoring indoor air quality

Senseware case study

Reopening spaces amidst COVID-19 with real-time environmental sensing

Powered by BICS SIM for Things

Simple multi-network coverage for connected sensors

Challenge

Poor indoor air quality is detrimental to our health, economy, and workplace productivity, especially in line with concerns triggered by COVID-19. Real-time airborne monitoring can help prevent the spread of airborne disease, including COVID-19 pathogens. Now, more than ever, businesses need measures in place to protect their workforce and customers from potential airborne hazards and disruptions.

Air quality monitoring systems depend on a large number of connected sensors distributed across the work space. International or geographically dispersed organizations wanting to monitor all their spaces need reliable cross-network connectivity embedded into these sensors, along with the ability to manage them remotely.

Solution

Introducing the cleanroom-grade indoor air quality monitoring solution from Senseware, underpinned by BICS' global IoT network.

With Senseware's indoor air quality monitoring platform and sensors, powered by connectivity from the BICS SIM for Things solution, businesses can access the critical environment and asset data of their indoor spaces from anywhere in the world. Sensors, embedded with BICS' global IoT connectivity solution at the communications layer, monitor airborne conditions around the clock and transmit the data to the Senseware platform. The platform then sends an instant alert when sensors detect unsafe conditions or pathogens.

Reliable, seamless global connectivity

Built-in multi-network coverage available across more than 200 countries supporting 3G, 4G, NB-IoT, LTE-M and 5G technologies, for reliability in any type of indoor operating environment, anywhere.

Flexible platform with APIs

The BICS SIM for Things portal enables easy provisioning and deprovisioning in real time via APIs, providing simplified integration with existing back-end systems.

Benefits

The simplest connectivity

Global multi-network coverage allows sensors to remain connected across borders, countries, and networks, ensuring reliable connectivity wherever sensors are placed.

Create a healthy and sustainable environment

Improve productivity and morale by ensuring and maintaining optimal temperature and humidity levels in the workplace, while keeping employees and customers safe from contagious airborne diseases.

Actionable intelligence and assurance

Protected with advanced real-time threat detection so critical data and systems are secure.

Increase revenue and reduce costs

Out-of-the-box operations with bootstrap pricing, offering instant initial connectivity of devices, with the option of single global pricing and customized bundles to optimize costs.