aritium

the AIoT company

IAQ-Control

Indoor air quality monitoring

Improve the **safety and comfort** of people inside your building due to **IAQ-Control** solution developed by **Aritium**.

Through the mix of **wireless technologies**, it's possible to carry out a **automatic and continuous monitoring of the indoor air quality**. This will allow you to have a **real-time global view** of your facilities, having the necessary **information** to bring out the pertinent measures and to adapt spaces to optimal levels of air quality.

Challenge

Although this has always been an important area of interest and has been worked on for a long time, it was not until the pandemic caused by COVID-19 that the **need emerged to step up control measures to ensure that indoor air quality in buildings is adequate.**

Therefore, **tools are needed** to allow **the real-time continuous monitoring** of the air quality, providing useful information for **decision making**.

What level of air quality is in the waiting room?

Is it necessary to ventilate room 3?

Solution

IAQ-Control allows the **continuous and automatic indoor air quality monitoring**, offering an **easy-to-use tool** with the key information to adapt to the **required levels** of air quality.

Due to Aritium experience, the information is displayed through **three key indexes** for air quality management:

- **Air Quality Index (IAQ)** - VOC
- **Ventilation level (IDA)** – CO2
- **Comfort Index (CI)** – Temperature and humidity

The IAQ-Control solution allows the automatically configuration of **alerts and notifications** and the data integration in **ventilation systems** of the building. Providing an **efficient, smart and remote** ventilation **management**.

LoRaWAN®

AP **Aritium Platform**

i **IAQ-Control**

Software

The **IAQ-Control software** accessible from **Aritium Platform** is **simple and intuitive**. Moreover, it allows you to have from a global view of the facilities to the specifics of a sensor.

Get a **real-time** view of the status of the facilities, configure **alerts and notifications** and have the **key information** for the decision making in a single click.

Benefits

Large amount of data

Having all the air quality data can be translated into **great knowledge** and later into **great efficiencies**.

Safety

Through a mechanism that **detects areas in which the air circulation or ventilation is not being correct**.

Efficiency

Through detailed monitoring of the air quality levels in the different areas, **the ventilation systems can be adjusted to the real necessities**.

Scalability

Due to being a totally wireless system, **it doesn't need any construction works**. For this reason, this is an **easy-to-deploy** solution and it's easily **scalable.**
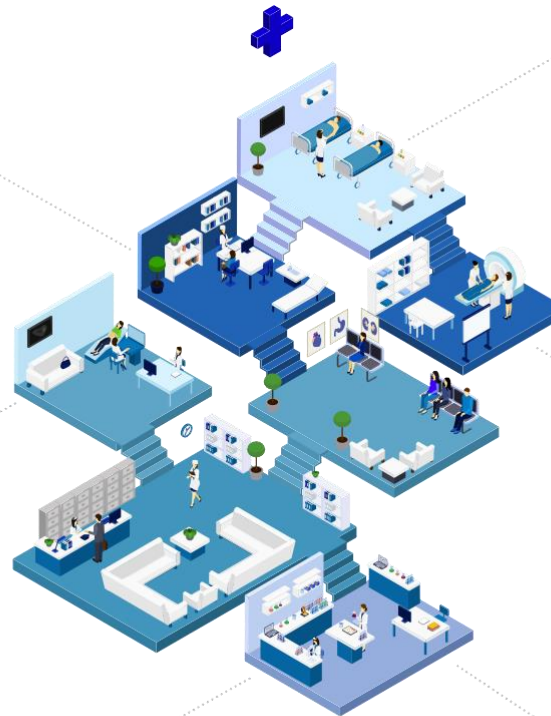
Remote control

The IAQ-Control software is **accessible from any computer or smartphone** with internet access.
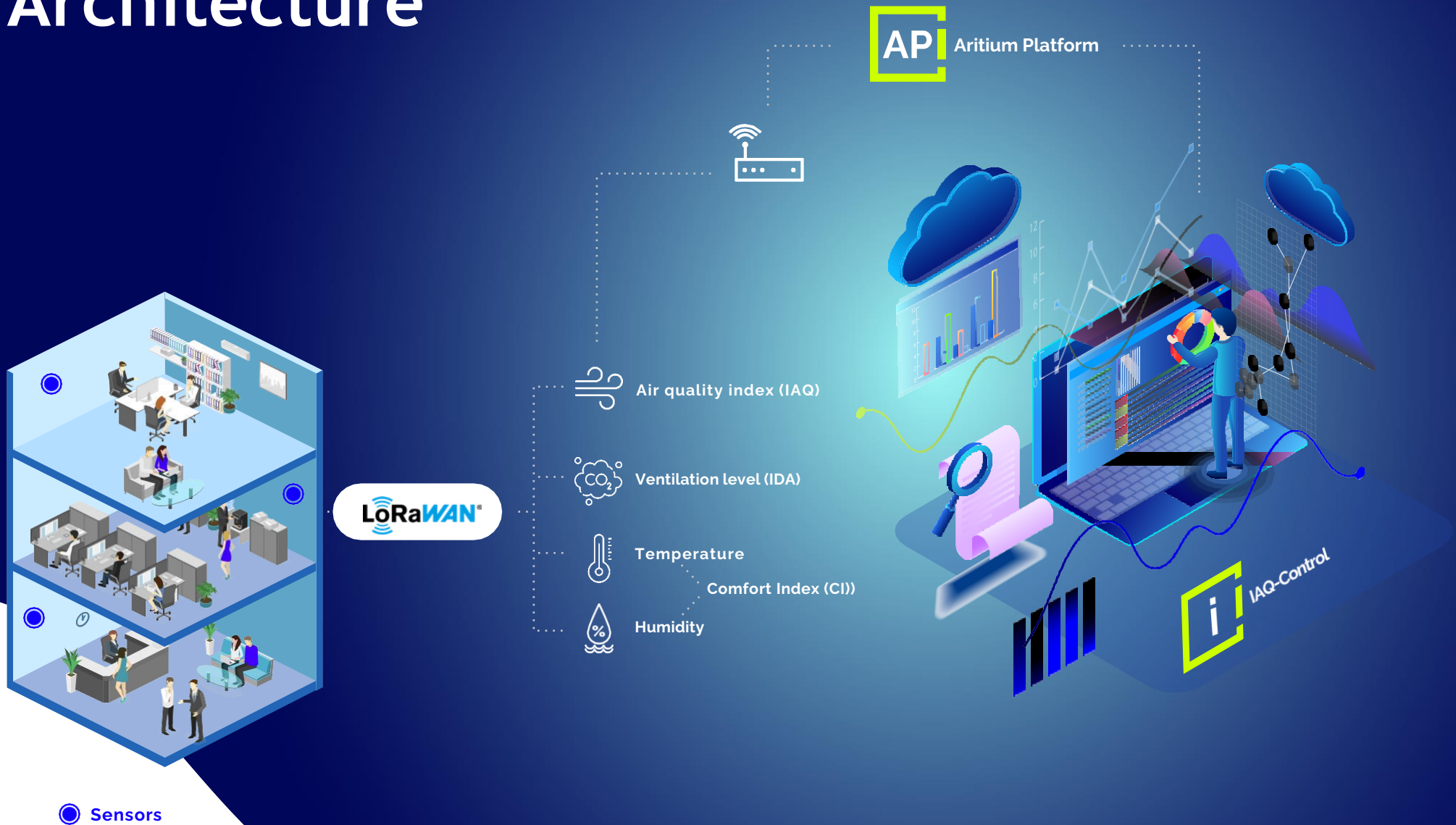
Increase of users comfort and satisfaction

The system allows to maintain the right levels of air quality and comfort, which improves the **experience** and the **quality** perceived by the users.

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Architecture

AP Aritium Platform

Air quality index (IAQ)

Ventilation level (IDA)

Temperature

Comfort Index (CI))

Humidity

LoRaWAN

IAQ-Control

Sensors

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Contact us through **info@aritium.com** or visit our website **www.aritium.com**