





Pressure-Control

Differential pressure monitoring in operating rooms

Ensure a **safe and sterile environment** and guarantee **compliance with regulatory requirements** for maintaining optimal differential pressure levels in operating rooms with the **Pressure-Control** solution developed by **Aritium**.

Through the mix of wireless technologies, it's possible to carry out an **automatic and continuous monitoring of differential pressure in operating rooms**. This enables a **real-time view** of operating rooms and provides **essential data and information** for managing air pressure levels in these critical spaces, ensuring the sterility necessary for surgical procedures while prioritizing **patient safety and well-being**.



Challenge

Nowadays, it's particularly important for healthcare organizations to **control environmental factors** such as **differential pressure** in operating rooms.

Regulations require hospitals to maintain differential pressure levels in operating rooms between **5 and 20 Pascals** during surgical procedures.

Therefore, **tools are needed** to ensure **compliance with regulatory requirements** for optimal air pressure levels and to guarantee the **perfect condition of these critical spaces** where high-risk activities are carried out.



Solution

Pressure-Control enables an **automatic and continuous monitoring of the differential pressure levels and door status in operating rooms**, offering an **easy-to-use tool** with the key information to ensure a **safe and sterile environment** with the optimal differential pressure.

As a result, this cutting-edge solution **ensures regulatory compliance** by maintaining differential pressure levels in operating rooms between **5 and 20 Pascals** during surgical procedures.

In addition, Pressure-Control allows the configuration of **automatic alerts and notifications** of differential pressure levels, providing an **efficient, smart and remote management** of the various operating rooms in the healthcare facilities.





Software

The **Pressure-Control software**, accessible from **Aritium Platform**, is **simple and intuitive**, allowing users to have from a global view of the operating rooms to the specifics of a differential pressure sensor.

Get a **real-time** view of operating rooms status, configure **alerts and notifications**, and access **all differential pressure data** automatically in a single click.

Benefits

Safety



Through a mechanism that **detects operating rooms where differential pressure is outside the optimal range**, Pressure-Control ensures a safe and sterile environment for surgical procedures.



Large amount of data

Having all the differential pressure and door status data of operating rooms can be translated into **great knowledge** and later into **great efficiencies**.

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**.



Efficiency

Automatic monitoring of differential pressure levels and door status gives you **more control** over operating rooms.

Remote control

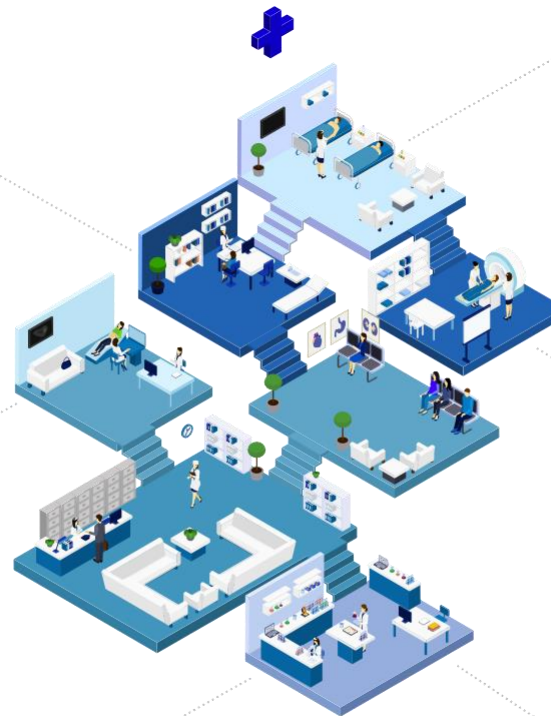


The Pressure-Control software is **accessible from any computer or smartphone** with internet access.



Quality

Intuitive and simple system for maintaining the correct differential pressure levels **to ensure a safe and sterile environment** in operating rooms, in **compliance with the regulatory requirements**.



Architecture



LoRaWAN®

Differential pressure

Door status

Aritium Platform



Pressure-Control

Differential pressure sensor

Door sensor



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