





## Efficient and smart energy management of buildings

Save more than **25%** in the energy consumption of your building due to **Energy-Control** solution developed by **Aritium**. Through the mix of **wireless technologies**, it's possible to carry out an **efficient, smart and remote real-time management of the energy resources of your facilities** (radiators, electrical panels, switches, etc.) without the need of any construction work for its implementation, getting **great savings from the beginning**.



# Challenge

Nowadays, one of the **biggest concerns** of the managers is the **energy consumption derived from the cooling and heating system and lighting system** of the different spaces and buildings.

The lack of control systems that allow to have a **global** and **real-time view** of the condition of the facilities, the **impossibility to define routines centrally** or **not action** on the facilities **remotely**, lead to an **extra energy consumption** that generates a major **economic and environmental impact**.

What is the temperature in room 3?

How many rooms have the light on right now?



# Solution

**Energy-Control's** purpose is to change the energy management paradigm of different spaces and buildings, offering an easy-to-use tool that allows a **monitoring and intervention remotely on the facilities** due to the **wireless sensors and actuators**. Obtaining in **real-time and automatically** the key information for a **real-time decision making**.

In addition, the system allows the generation of **alerts and notifications** automatically and the **parameterisation of routines** for the **smart management** of heating, cooling and lighting, allowing the introduction of factors such as the effective occupation of the spaces or external environmental factors.





LoRaWAN®



**AP** Aritium Platform

**e** Energy-Control

# Software

The **Energy-Control software** accessible from **Aritium Platform** is **simple and intuitive**, allowing 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 building, configure **alerts and notifications**, and **automate routines** for the **smart management** of elements.



# Benefits

## Energy efficiency



Energy-Control improves equipment efficiency up to 80% and decreases overall energy consumption more than 25%.

## 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 Energy-Control software is accessible from any computer or smartphone with internet access.



## Large amount of data

Having all the consumption and running data can be translated into **great knowledge** and later into **great efficiencies**.



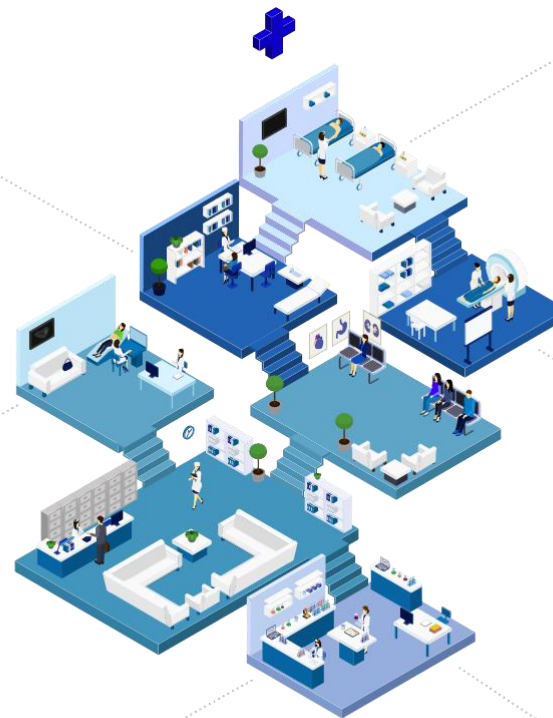
## Decrease of CO2 emissions

Having a system that allows the **decrease of consumption** of the equipment will have a direct impact on the amount of **CO2 emissions produced by the building**.

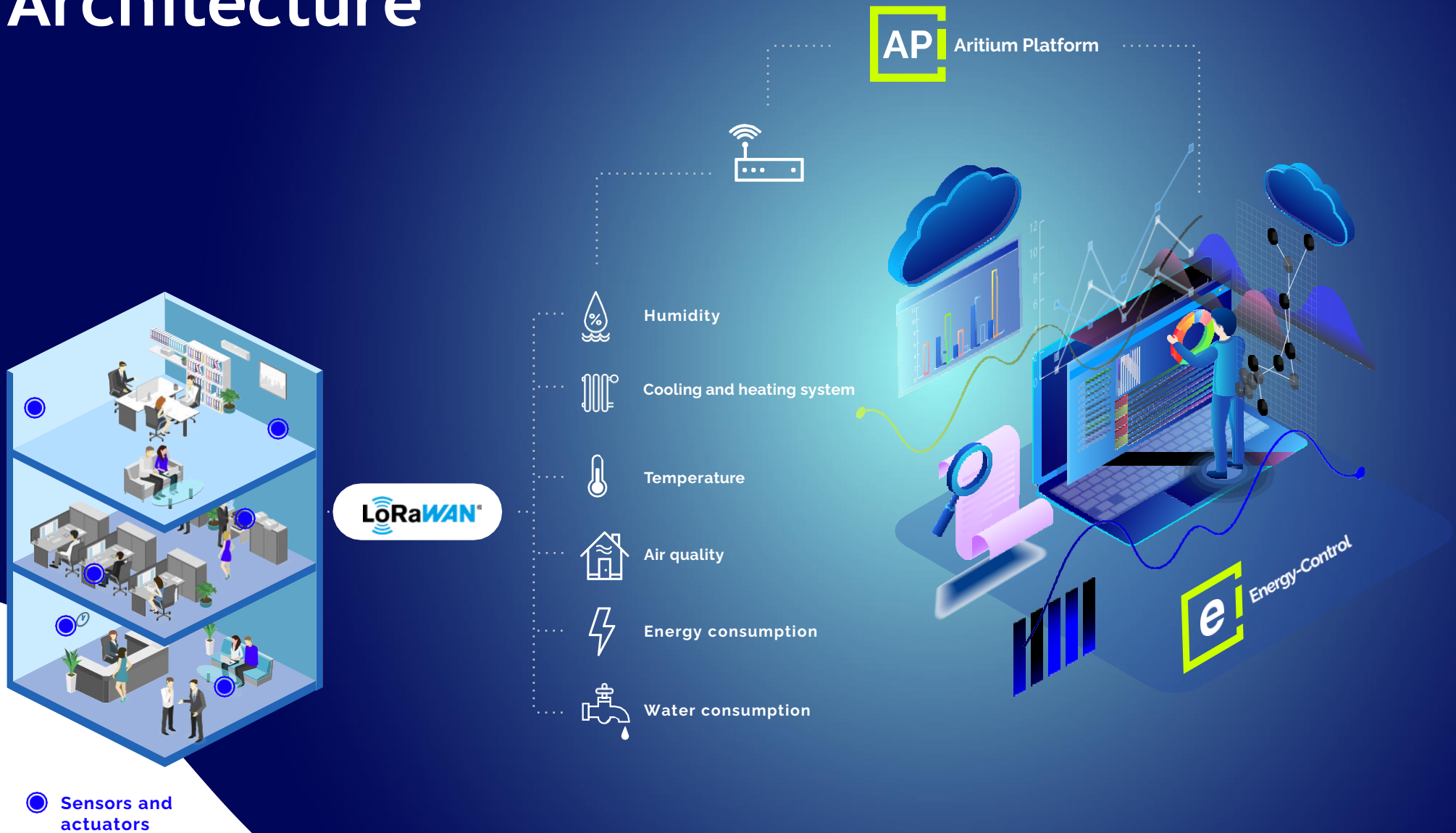


## Increase of users comfort and satisfaction

The system allows the **implementation of routines** according to the shifts, the number of persons in the rooms,... which generates **optimal comfort conditions at all times**.



# Architecture





Contact us through [info@aritim.com](mailto:info@aritim.com) or visit our website [www.aritim.com](http://www.aritim.com)