

Enhancing HVAC Control for Balaruc les Bains Municipality Sites



The Customer	Balaruc-les-Bains Municipality Sites
Sites	8 sites across the municipality Including: City gym, sports center, kindergarten, schools, etc.
The system	VRF and Split systems from various brands Including: LG, Toshiba, Daikin, etc.

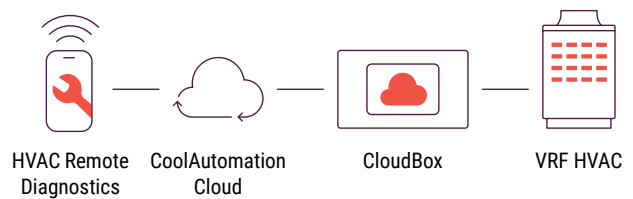
The Challenge

- Managing and monitoring multiple HVAC brands in multiple sites.
- Synchronizing HVAC systems with occupancy hours across separated management solutions, resulting in unnecessary energy consumption.
- Achieve compliance with energy regulations such as the Tertiary and BACS Decrees.

The solution

CoolAutomation's remote diagnostics cloud-based solution

By using CoolAutomation's remote management solutions, Balaruc les Bains Municipality was able to centralize control of multiple HVAC systems, optimize energy usage in line with building occupancy, conduct remote diagnostics, and comply with energy regulations.



Traditional course of action

1 Reliance on Local Control Systems

Traditionally, the municipality's facility management utilized local control systems to manage the HVAC systems across various buildings and sites. This requires on site attendance and system access to address issues on the site.

2 Integrating various systems

The local control systems operated separately, preventing a centralized view of all information required to view complete site status.

3 Optimizing operational processes

As a result of this separation, the equipment was not operating efficiently, resulting in unnecessary energy consumption.

4 High energy consumption in unoccupied periods

As the system was not integrated, the equipment also operated during unoccupied hours, resulting in high energy consumption even when the facilities were unoccupied.

CoolAutomation's Remote Management Solutions in Action



Comprehensive and Remote Control

By providing a centralized cloud-based platform for remote HVAC management, CoolAutomation allowed the municipality to manage and monitor multiple HVAC brands across various sites. This eliminated the difficulty of dealing with disparate systems and provided a unified view of all operations.



Remote Diagnostics and Audits

CoolAutomation's remote diagnostic features enabled detailed audits of remote sites. This assisted in identifying and rectifying inefficiencies, enhancing overall energy efficiency, and system performance.



Alignment with Building Occupancy Hours

The solution's ability to synchronize HVAC operations with occupancy hours helped in significantly optimizing energy usage. By adjusting heating and cooling according to when buildings were occupied, reducing unnecessary energy consumption.



Compliance with Energy Regulations

The remote management cloud-based solutions ensured compliance with specific energy regulations like the Tertiary Decree and BACS Decree.

Advantages



Cross-brand, cross-site, multiple data points management system



24/7 remote access for control and monitoring



Ensures regulatory compliance and requirements



“CoolAutomation swiftly addressed our needs, preventing equipment damage and empowering us with comprehensive control. The remote diagnostics capabilities enabled us to improve maintenance planning while minimizing technician travel.

CoolAutomation’s solution seamlessly aligned with regulatory requirements. As we look ahead, we plan to expand this solution to other projects, continuously optimizing energy and technical efficiency.”



Frédéric Archimbeau

Contract Manager and Energy Referent
Balaruc-les-Bains Municipality Sites

Smartly control your HVAC systems like never before

CoolAutomation is a global leader in smart solutions for HVAC systems, specializing in VRF, Split systems, and heat pumps. With over 10,000 customers in more than 100 countries, our innovative products enable seamless HVAC integration and remote management, service, diagnostics, and universal system control. Founded in 2009, CoolAutomation has become the go-to choice for HVAC service companies, home & building automation integrators, building management experts, and facility managers looking to save energy, enhance service, and reduce costs for both residential and commercial sites.