



Towards
sustainable
construction

Airzone is a **manufacturer of HVAC control systems**. With more than 20 years of experience, it has become a benchmark in the sector thanks to a business model geared towards a sustainable and technological future.

Its products are integrated with the main **HVAC manufacturers** and compatible with **home and building automation control systems**.

It is committed to bringing to the market eco-friendly products, ensuring that from the origin of their development all the way to the shipping phase a **rigorous quality process backed by ISO 14001 and ISO 9001 certifications** is followed.



HVAC MANUFACTURERS



BMS CONTROL SYSTEMS



IoT CONTROL SYSTEMS



In this document you will learn **how working with Airzone will improve your projects**, as well as all the advantages of applying Airzone control systems for building energy certifications.

The professional tools that allow you to **quantify savings and comfort**.





Energy efficiency

Airzone systems are covered by the European regulatory framework:

EN 15232-1:2017 “Energy performance of buildings - Impact of building automation, controls and building management”: This sets out methods for calculating the impact of building automation and control functions that have an impact on the energy performance of buildings.

EN 15500-1:2017 “Energy performance of buildings. Control for heating, ventilating and air conditioning applications. Part 1: Electronic individual zone control equipment”: For individual zone control products for mechanical services in residential and non-residential buildings.

This covers electronic zone control equipment for heating, ventilation and air conditioning.

European Directive · Energy Performance of Buildings (EPBD) 2018/844 to be implemented in Europe by 2020. New buildings must be equipped with devices that self-regulate the ambient temperature separately. In existing buildings this will be required whenever heat generators are replaced.

European Directive · Public Procurement 2014/24/EU is intended to establish a common framework for all Member States with regard to public procurement policies aimed at the efficient use of available resources, promoting the use of the BIM methodology.

BIM

Building Information Modeling (BIM) is **a collaborative work methodology for the creation and management of a construction project.**

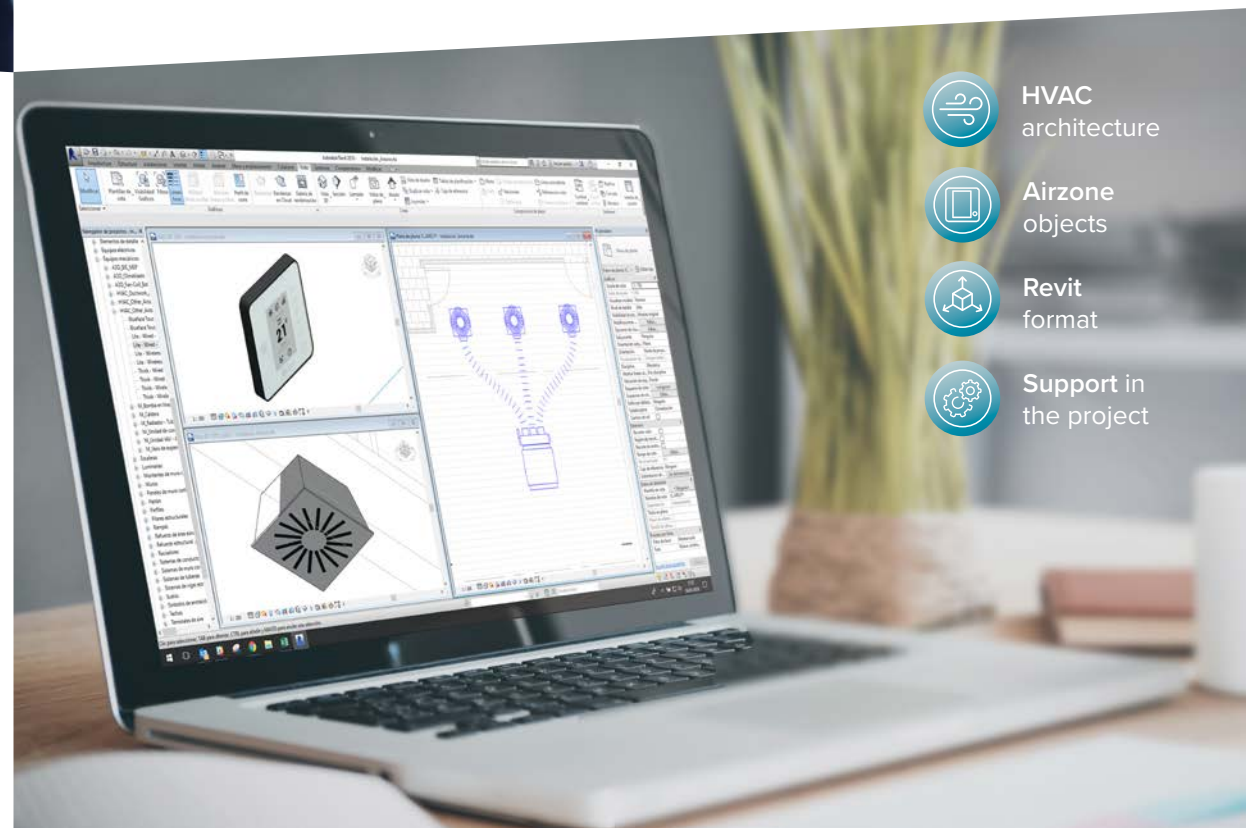
Airzone has integrated the BIM methodology into its overall strategy, taking into account the rise of this technology in the professional world, as well as the possibilities it offers to the sustainable architecture and construction sector.

Airzone's BIM object development is geared towards usability and project performance.

The Easyzone range of motorized plenums, air diffusion and control elements (main control boards and intelligent thermostats) are now available on the **BIMobject** and **BIM&CO** platforms.

In addition to having a large catalog of BIM objects, **the company seeks to participate with its collaborators throughout the project life cycle** to provide the most efficient technology and HVAC control solutions.

Find out more about Airzone in BIM: airzonecontrol.com/projects/tools



-  HVAC architecture
-  Airzone objects
-  Revit format
-  Support in the project



eu.bac

The eu.bac association is a certifying body at European level that brings together professionals in the control sector, with the aim of certifying those **companies whose products help to achieve energy savings** with respect to what is established in the official regulation.

Airzone Central V1.3 has been certified by eu.bac as having a control accuracy of 0.3 K, both in terms of cooling and heating.

This evaluation ratifies the Airzone systems as an option for projects that aspire to achieve a high level of efficiency. Airzone has been recognized with a score of **10 out of 11 on the IZC (Individual Zone Control) energy efficiency scale.**

This certification assures the user that both the product and the system comply with the European directives and Standards – **EN 15500**, which establishes the temperature control accuracy (CA), and **EN 15232**, as well as the EPBD directive – to achieve the optimum balance in control and automation for new and existing buildings.

BREEAM



This is a system for assessing and certifying **the environmental performance of a building**. It is awarded a sustainable construction score based on an objective assessment.



Management

"Sustainable management" · up to 6 points



Health and Wellbeing

"Thermal comfort" · up to 2 points
"Thermal zoning" · up to 1 point



Energy

"Energy efficiency" · up to 15 points /
"Energy monitoring" · up to 2 points



Pollution

"GWP of refrigerants - building installations" · up to 1 point



Innovation

"Exemplary level of Energy efficiency" · up to 5 points /
"Exemplary level of Sustainable management" · up to 1 point

LEED



Leadership in Energy & Environmental Design is an assessment system for **environmental performance in the construction or renovation of buildings**. It seeks to achieve a reasonable and effective use of energy in terms of materials and water.



Energy and Atmosphere

"Optimize energy performance" · up to 20 points / "Advanced energy metering" · up to 1 point



Indoor Environmental Quality

"Thermal comfort" · 1 point



Innovation in Design

"Optimize energy performance" · up to 5 points

WELL



The WELL Building Standard guarantees that **the certified space works for the health and wellbeing of the occupants**. In WELL a total of three levels can be achieved: Silver, Gold and Platinum.



Thermal Comfort

It consists of 7 areas of action and the impact of Airzone is pronounced in the category:

Designed and manufactured in Spain

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