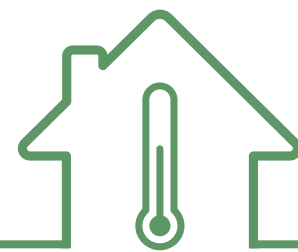


Where is there an Airzone?

MORE THAN 500,000 BUILDINGS
ARE EQUIPPED WITH AN HVAC CONTROL SOLUTION



Residential projects





MALAGA, SPAIN

Parque Mediterráneo

Refurbishment
Home

This **home is located in a block of flats that was built in the 1980s**, when the **Technical Building Code (CTE)** was in force and the energy efficiency regulations were less demanding. Therefore, in order to adapt it to the new regulations and improve its energy rating, the home underwent a comprehensive renovation focused on two objectives: to improve the use of space and to reduce energy consumption, thus reducing its running cost.

What does Airzone bring to the project?

Airzone enables the independent control of air conditioning and heating in the home's **5 air-conditioned zones**. Thanks to this system of regulation and control by zones, it was possible to provide comfort in each of the rooms, which each have very different uses: a children's playroom, bedrooms and a study.

The system includes **1 main Blueface thermostat**, which offers the possibility of creating schedules, as well as **4 Lite thermostats**, to limit the functions of the secondary rooms used by children.





MARBELLA, MALAGA

Villa Ayantam

New buildings
Detached home

Villa Ayantam, located in the luxurious area of **Camoján**, is a home that has achieved an **unprecedented milestone**, being classified as the **residential building with the highest ever rating in the BREEAM** certification. It is therefore considered one of the most outstanding villas in terms of sustainability and design in **Spain**.

What does Airzone bring to the project?

Villa Ayantam has an **air to water unit, underfloor heating and cooling and a VRV cooling system**, with a total of **16 units**. All HVAC elements are controlled by an **Airzone** solution developed for complex projects, bringing together different HVAC and control technologies.





ORLANDO, FLORIDA

Home in Orlando

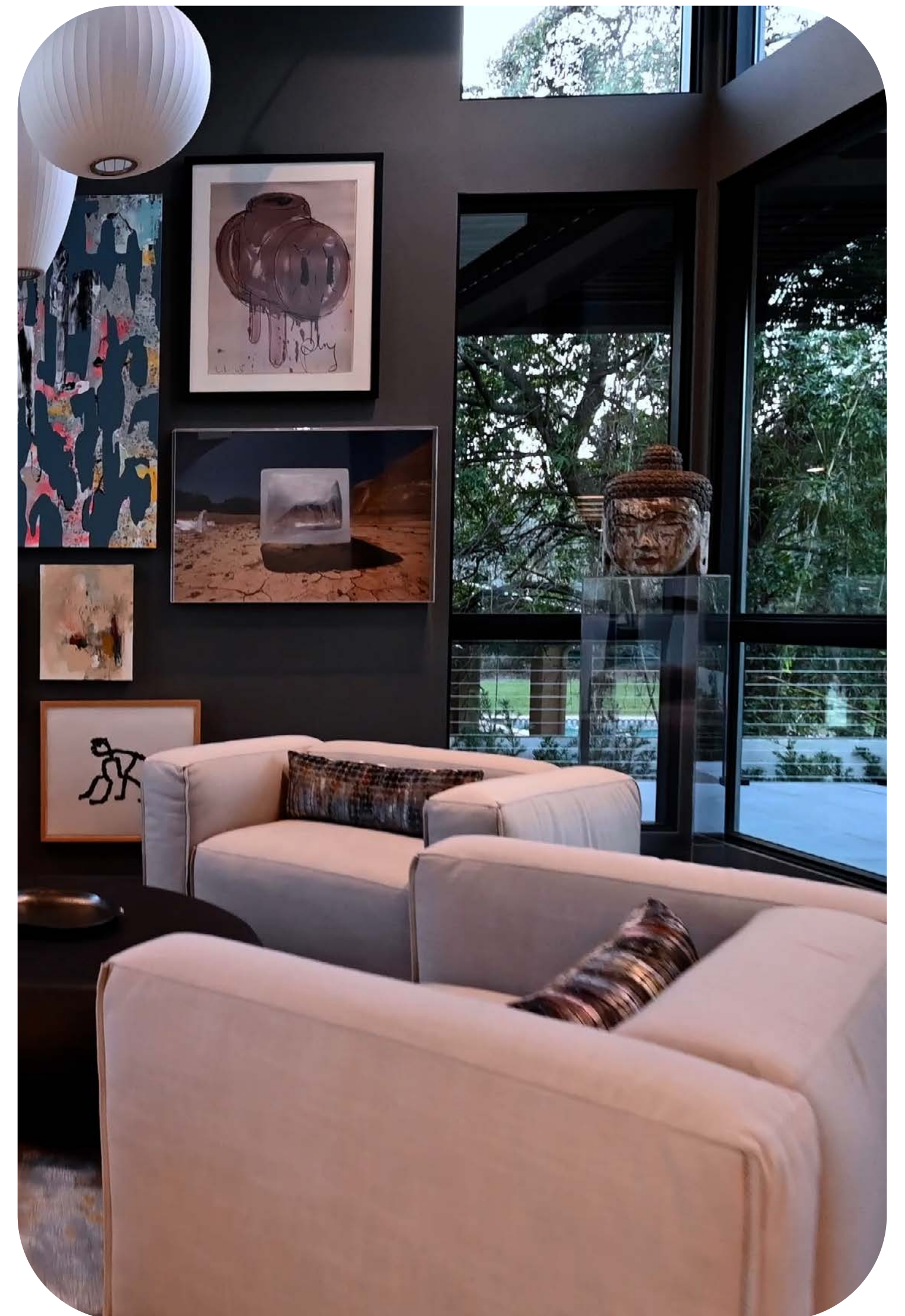
Refurbishment
Detached home

This **450-square-meter home** was built in the **1970s**, when the area's buildings were characterized by poor insulation, low-quality windows incapable of retaining heat and oversized HVAC systems, using conventional technologies. As a result, the home underwent a comprehensive renovation project with two main objectives: to improve the views of the surrounding natural environment and to increase energy efficiency.



What does Airzone bring to the project?

Airzone enables independent temperature management in all the zones of the home, which is equipped with **VRV technology**. This zone-specific control makes it possible to reduce energy consumption in a home located in an environment with a high humidity index, in which the air conditioning is used continuously. Airzone allows remote control, an aspect that is highly valued by the client.





MARBELLA, MALAGA

Casa Tesalia

Renovation
Detached home

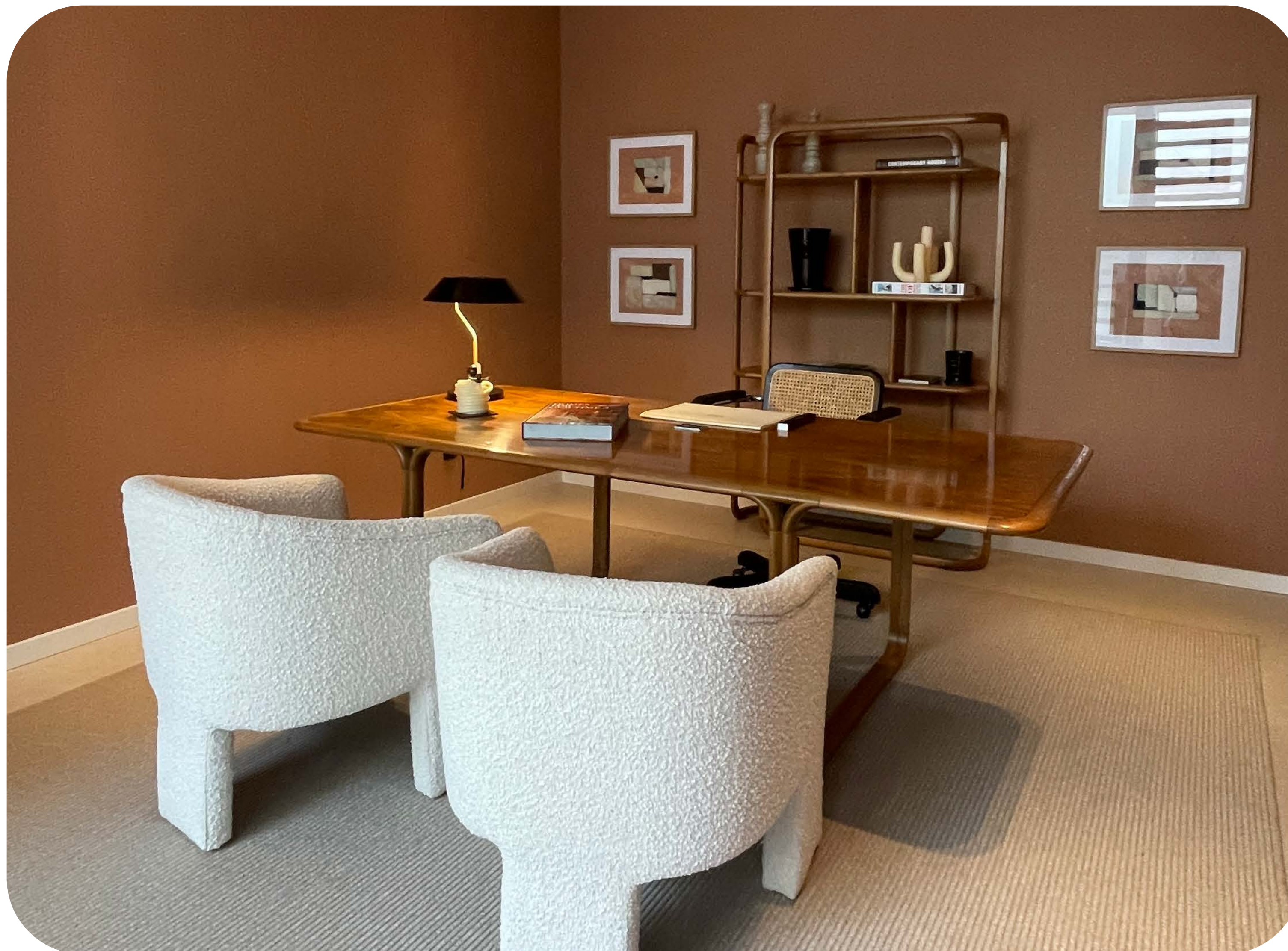
Casa Tesalia, located in **Nueva Andalucía**, one of the most luxurious areas of **Marbella**, underwent a comprehensive renovation project, resulting in a home with **5 rooms**, including **4 en-suite** rooms. Its most outstanding feature is its bungalow format, as the main zones are located on the ground floor.

The customization of each room was a highly valued factor in this project, and the choice of a temperature in each zone was one of the client's requirements.



+ What does Airzone bring to the project?

The villa has an **Airzone** system to jointly control air conditioning and heating, resulting in greater energy efficiency. Airzone controls **Daikin's** VRV system with individual units and underfloor heating and cooling, which is powered by an air to water system. Airzone was considered an essential control system to ensure comfort and energy efficiency in a high-end home.



Office projects





MADRID, SPAIN

CAV Audiovideo office

Renovation | Integration
Office

The office and showroom of the company **CAV Audiovideo** transports clients to an environment characterized by elegance and technology. It has two floors: the first has a reception area, a cinema room and a kitchen; and the second houses the workspace for the team and the meeting room. The company is focused on the **most efficient and advanced technological solutions**, ensuring ease of use for its clients and favoring a pleasant and elegant environment. Their motto is therefore: "Keeping it simple is simply better."

+ What does Airzone bring to the project?

Airzone's **Aidoo Pro** controller allows HVAC control through the **Crestron** home automation system installed in the office. Office users control the temperature of the zones in which they work from their own cell phone through the **Airzone Cloud app** and also from the Crestron platform.





SAN PEDRO DE ALCÁNTARA, MARBELLA

Illusion offices

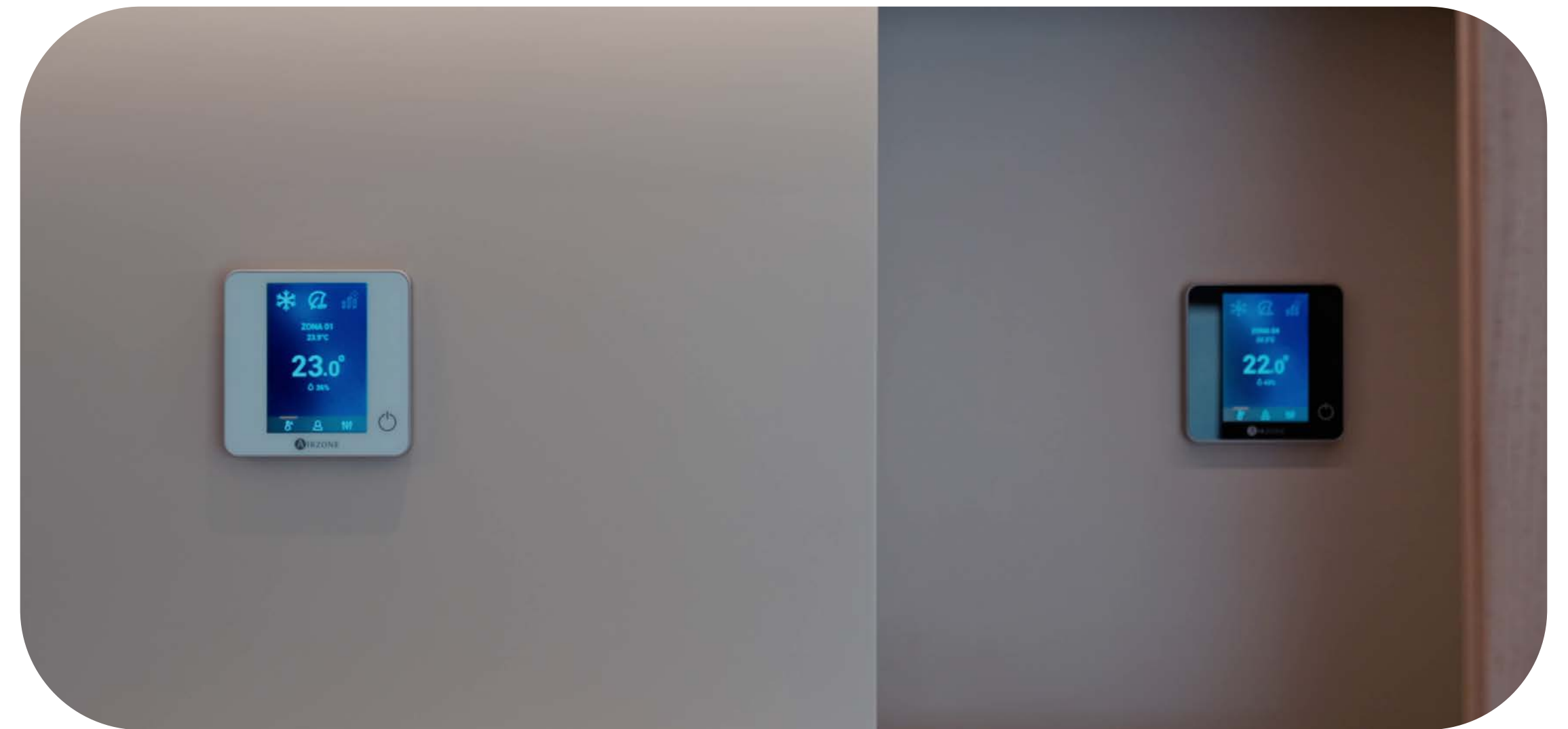
Renovation
Offices

The **Illusion** office building is divided into **17 rooms** spread over more than **500 square meters**. This company, which is dedicated to the design, installation and maintenance of lighting, audiovisual and control projects, prioritizes the technological aspect and aesthetics in each of the projects carried out for its most exclusive clients. A team of **70 people** from different departments works in this space, which could result in extremely high energy consumption.



What does Airzone
bring to the project?

Airzone enables independent temperature control in all **17 zones** of the Illusion offices. In a building that showcases the use of technology in real projects, Airzone also meets the requirements of home automation integration: the HVAC system is managed from the **Lutron** platform in **Google Assistant**, as well as Bang & Olufsen's **BeoreMOTE Halo** interface. Airzone's range of thermostats also fits into the aesthetics demanded by the company.





NORWALK, CONNECTICUT

HMTX company headquarters

New buildings
Offices

The main headquarters of the American company **HMTX** are located in a building that was built following the criteria of the **Living Future Institute**, whose main objective is to develop a sustainable building stock. The project was focused on the creation of a '**living building**', that is, a building that generates more energy than it consumes. Energy efficiency was therefore a top priority throughout the entire construction process, which took more than **6 years**. All the energy used comes from solar panels that can support up to **110% of the electrical load** consumed by the building.



What does Airzone bring to the project?

The management of fan coil units with **Airzone** minimizes energy consumption, making it possible to comply with the strict requirements of the **Living Building** standard. This enables Airzone to meet the desired objective: to achieve the highest level of comfort without compromising sustainability.





CREMONA, ITALY

Stauffer Academy

Renovation
Cultural Center

The headquarters of the **Stauffer Academy** are located in **Palazzo Stauffer**, an historic **19th-century** building, which underwent a comprehensive renovation project to become a space dedicated to musical training. It has been used as such since **2021**, and the **2,000-square-meter** space is distributed into different rooms: several rooms for classes and rehearsals, a recording studio, common spaces for socializing and a garden where outdoor concerts are held.

Several objectives were upheld during the renovation process: to respect the historical characteristics of the building, to preserve its beauty and to provide its spaces with new features focused on the use of the building. This involved bringing together traditional aspects with new technologies, including Airzone.



What does Airzone bring to the project?

Airzone enables the combined control of HVAC and underfloor heating and cooling from a single thermostat. In total, Airzone controls **8 ducted AC units** that heat and cool **27 zones, including 13 individual AC units and 14 rooms with underfloor heating and cooling.**

This combined control provides the energy efficiency necessary for such a large building, and the system, in general, allows the customization of the different spaces according to their influx.

The HVAC system used in the Stauffer Academy is integrated into **Modbus**, allowing **HVAC** control to be added to the network from which the rest of the technologies are controlled.



Hotel projects



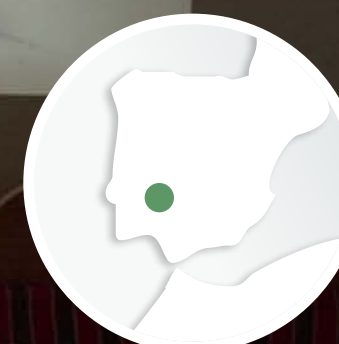
EXTREMADURA, SPAIN

La Dehesa de Don Pedro Hotel

Refurbishment
Rural hotel

This **19th-century** farmhouse, located in the heart of the Extremadura meadow, underwent a comprehensive renovation, transforming it into a **5-star** rural hotel. Thanks to its uniqueness, the natural characteristics of its surroundings and the quality of its services, it received the **Ruralka** award for the **Best Rural Hotel of 2023** and the **2023 Fitur Award for Tourism and Hospitality Excellence**.

Its refurbishment was focused on maximizing sustainability as a key to business profitability.



What does Airzone bring to the project?

The hotel has an **air conditioning** system and an **underfloor heating and cooling** system. Both are controlled by **Airzone**, enabling the joint management through algorithms of the two systems from a single thermostat to achieve maximum comfort levels and minimize energy consumption.

The installed AC units recover excess heat for the production of domestic hot water, further reducing energy consumption.

The hotel's **15 rooms**, as well as its communal areas, have **Blueface** or **Think** thermostats, although the entire HVAC system can be controlled remotely, through the **Airzone Cloud app**.





MALAGA, SPAIN

The Clock House

Refurbishment
Aparthotel

The Clock House is a mix between a hotel and a luxury apartment. It provides all the comfort of a **5-star** hotel, while offering guests the self-sufficiency of a home. The challenge of this building was therefore to meet the needs of guests, who seek to make use of all its resources with maximum comfort and without sacrificing self-sufficiency.



What does Airzone bring to the project?

The building boasts an **air to water** system managed by an **Airzone** system. It has air conditioning and heating, which are managed by zones and can be controlled from the **Airzone Cloud app**.

Airzone enables guests to the aparthotel to enjoy the comfort and convenience of controlling the temperature by rooms, while also allowing remote control by building managers.





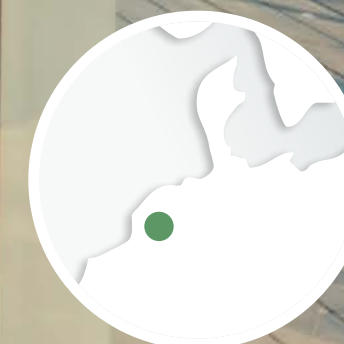
HOENDERLOO, THE NETHERLANDS

Cuber Suites

New buildings
Hotel

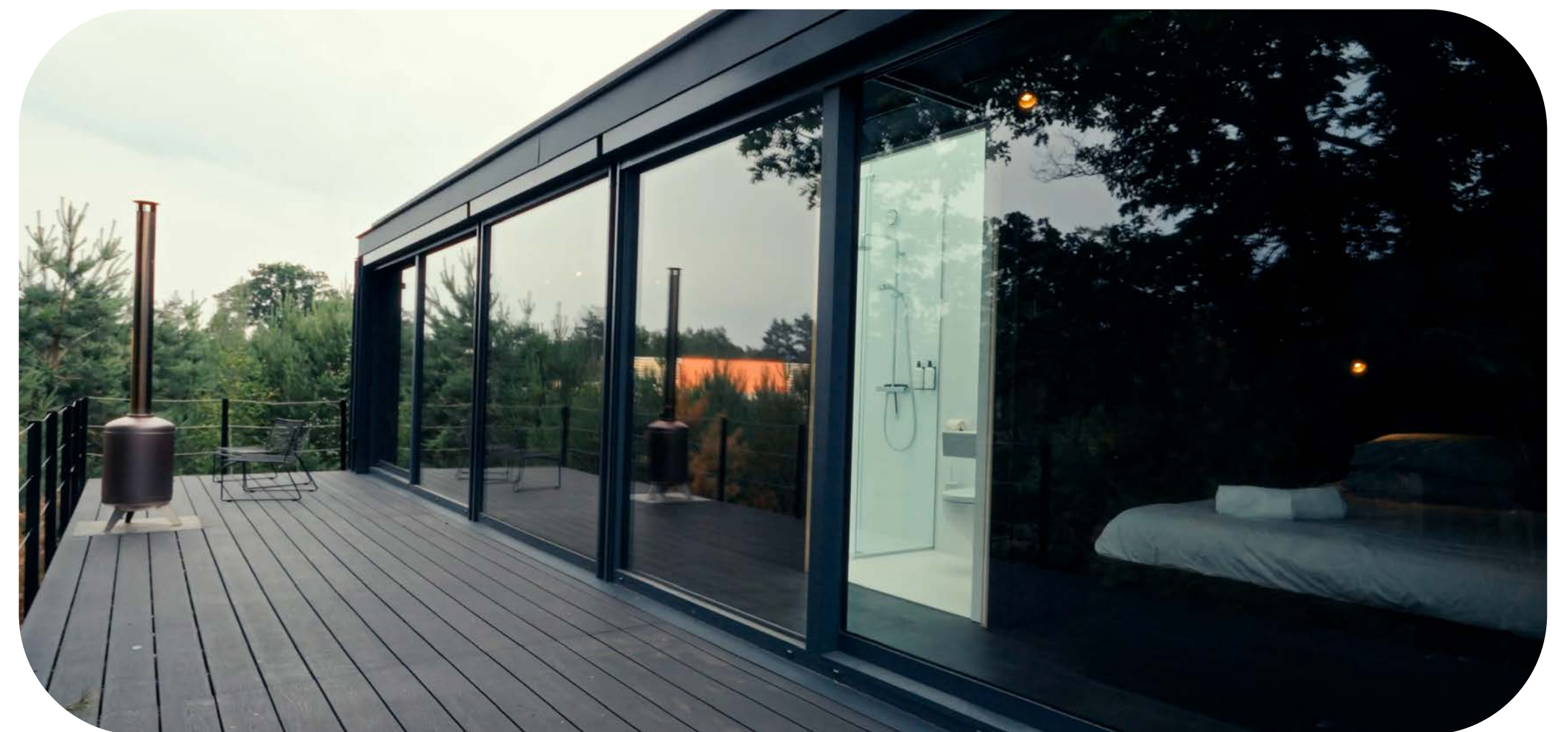
Cuber Suite is an innovative, highly profitable business model that proposes a new type of accommodation. It comprises **28 cabins** located in the countryside that operate without staff, in which technology plays a crucial role. All services are managed online, from check-in to room service, which is offered by local restaurants.

Due to the autonomy offered to guests, the challenge presented by this hotel is that of avoiding energy wastage. The project won the **2021 Entree Awards for Best New Vacation Concept**.



What does Airzone bring to the project?

Airzone enables the integration of air conditioning and heating control in all rooms of the accommodation. Both guests and hotel staff can control the temperature by zones from their cell phones through the **Airzone Cloud app**.





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