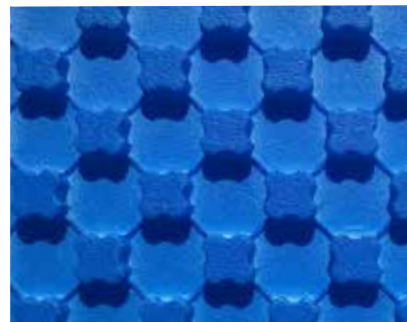




ARCOS.SP

climate & home automation system



About us

Arcos.SP is a Dutch/Spanish company which designs, engineers and implements climate installations in villas in order to provide the most comfortable ambience. We use environmentally friendly ways to do so, taking care of the environment and also saving money.

We have been doing business in Spain since 2006. Our office is established in Andalucía. Our working area now is mainly the south of Spain, but we also design and develop projects nacional and internacional.

Our team consists of Roger Matthijsen, Melissa Márquez Perea and Annemarie de Haas. We are proud to present our **Arcos Confort** system.

Prado del Rey, 2017





Arcos Comfort.

Why choose for Arcos Comfort

For many years we have been installing under floor heating and cooling in the south of Spain, mainly at the Costa del Sol. In this area the climate is a bit more humid than in the interior of Spain. This doesn't allow you to cool as much as you would like due to the possibility of condensation on the cold floors.

Therefore we started to install additional air conditioning. It bothered Roger that in a villa of millions you had to control the interior climate with 2 separate thermostats so he designed a system with only one thermostat. Easier in use and more comfort.

you can access the system
from wherever you have
an internet connection

a unique and
inexpensive
system

How does it work

The **Arcos Confort** system combines both floor and air heating/cooling. Using at each moment the best option. If possible the floor, if needed additional help of the air (fan coils) or when the humidity gets to high, just the air for cooling and dehumidifying.

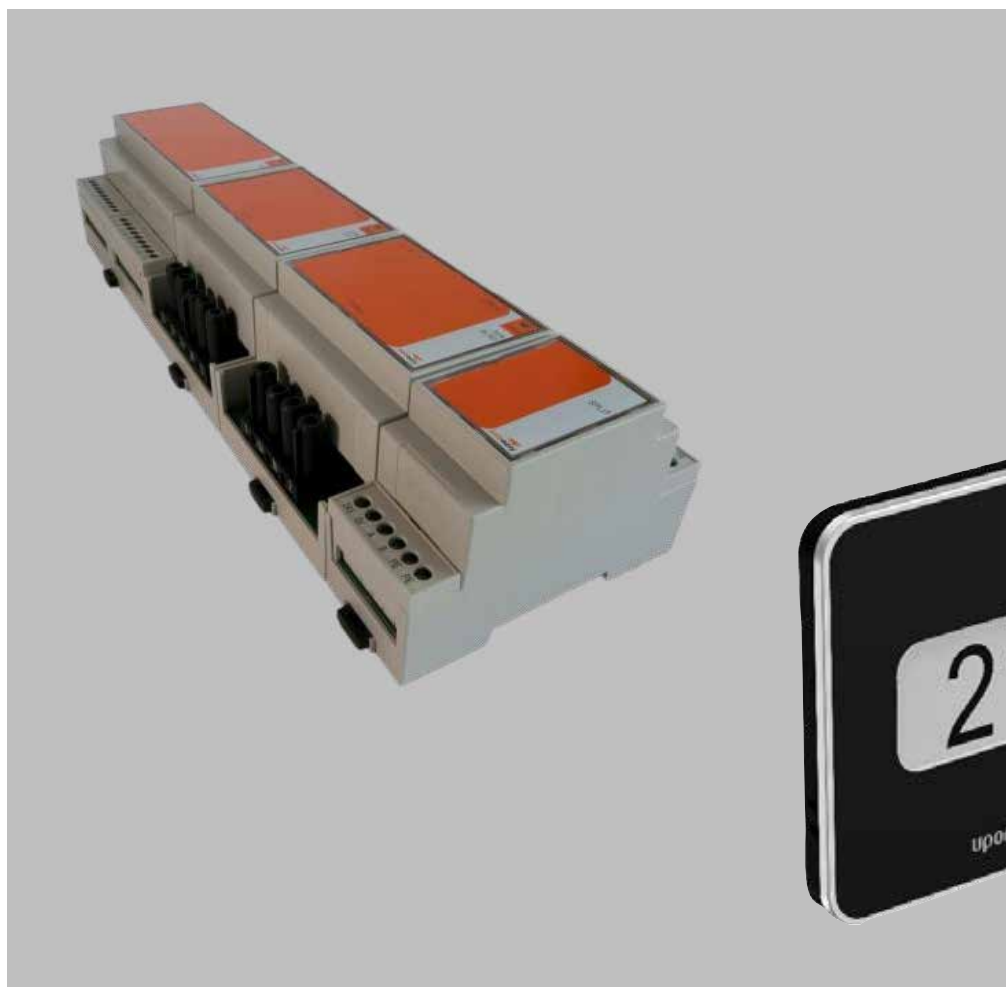
You only have to adjust the thermostat and the computer takes care that you will be in a very comfortable environment.

We use a building management system. It is a small step to program it in what is commonly known as a domotica system. Lights, curtains, sun screens, pool filtering, pool heating. You name it, we integrate it. Our system is totally open and everthing is connectable. The interface is done in an ordinary web browser. Just access the main computer by typing the right IP address in your browser, fill in your password and you come in to a custom made startpage that leads you in a simple way through your house and its functions.

With a fixed IP address you can access the system from wherever you have an internet connection.

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Prado del Rey 2017

Arcos.SP

Unique and inexpensive

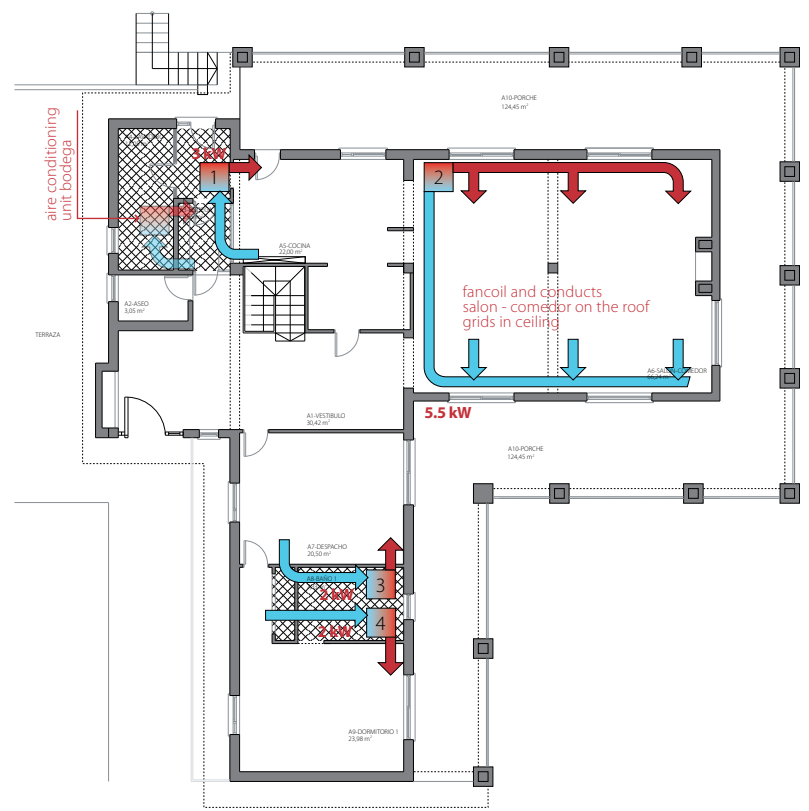
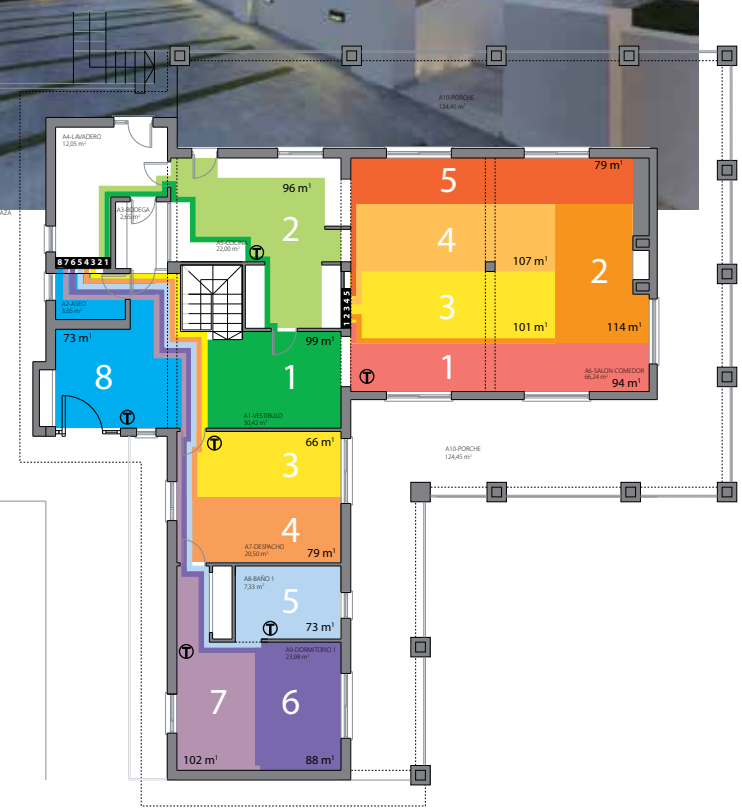
The **Arcos Confort** system is specially designed for Arcos sp and therefore a unique product. It originates from the building management systems which are used in commercial buildings such as offices, hotels, hospitals, schools, etc.

To extend the system with other modules to manage for instance the lights, the sunscreens, the pool heating is rather easy to achieve. This is why our system is relatively cheap compared to the fancy home automation systems on the market.

specially designed
for arcosp

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Projects

Villa Baobab

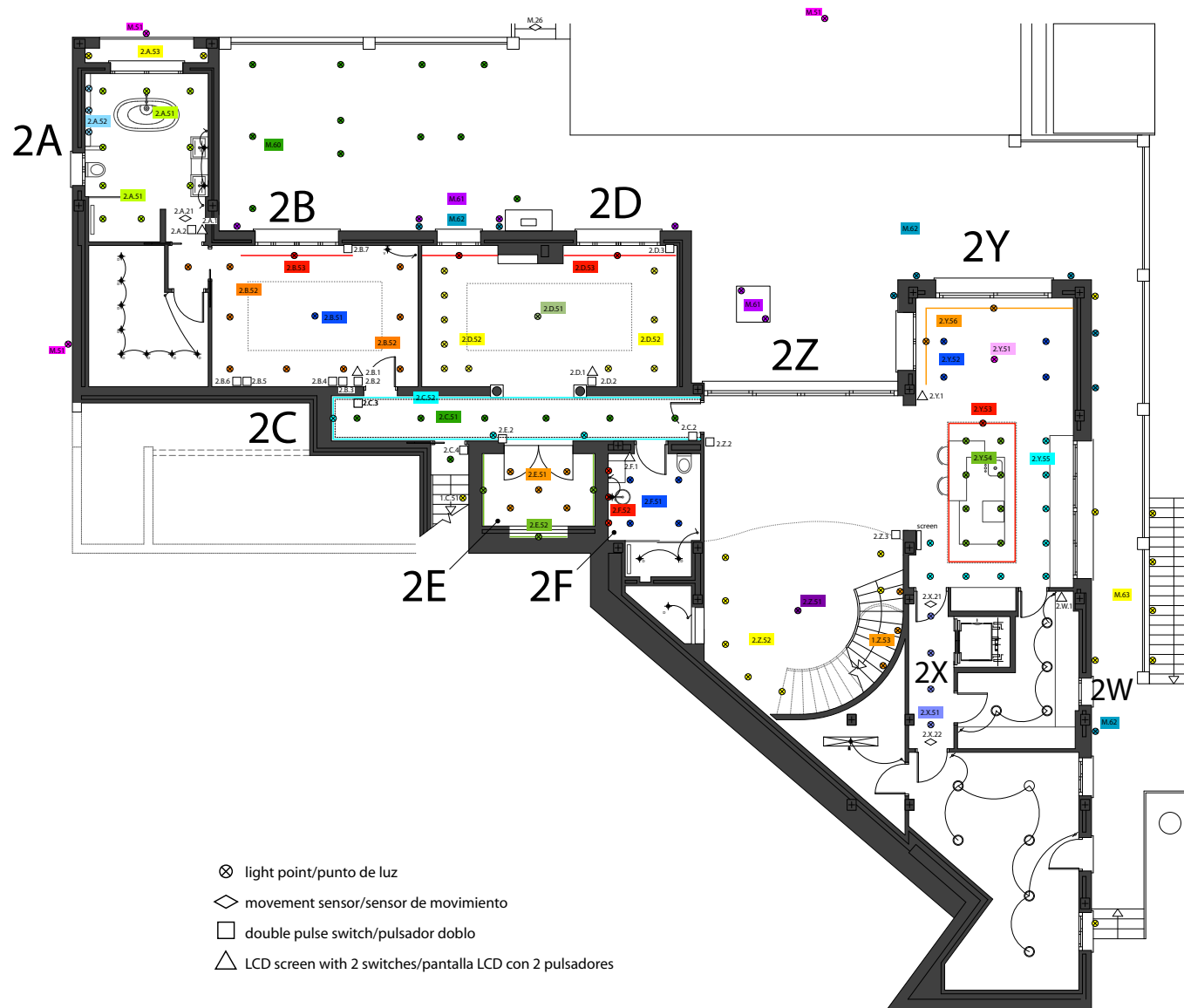


A fundamental reform of a luxurious villa situated right next to the golf course Las Brisas in Nueva Andalucia, Marbella. The villa is equipped with our home automation system **Arcos Confort**. This system manages the indoor climate, the indoor and outdoor lighting, the alarm and security cameras together with the pool heating.

Because the ceiling of the livingroom was too low to include the fan coils we decided together with the owner to put the fan coil together with weatherproof conducts on the flat roof above the living.

The floorheating/cooling surface is 340 m². All the rooms have a fan coil, the wine cellar has an air conditioning unit to be able to cool deeper. They all are controlled by wireless thermostats. We have placed two Daikin Altherma heat pumps, one of 14 kW and one of 16 kW. They are connected to the tank for hot domestic water. One of heat pumps is also used to heat the swimming pool.







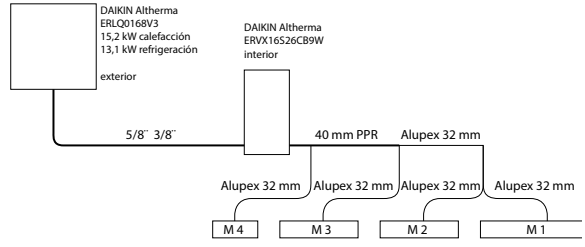
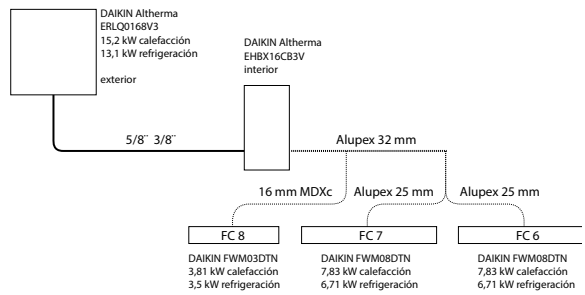
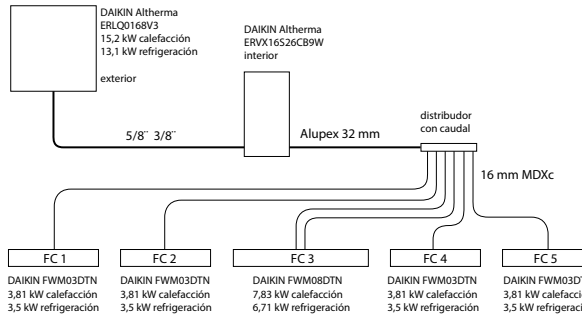
Madroñal

A villa in the hills of San Pedro, a fundamental refurbishment with extension. Total surface for the underfloor heating/cooling 375 m², the gym has a separate air conditioning unit, just as the wine cellar.

This villa has a special layout and the clients had a lighting plan designed for them. Based on this plan we designed together with the client several light schemes for different occasions. Just one push on a button when they have their dinner party, pool party, and the lights of their choice will turn on at the desired potency and/or color.

We installed two 16 kW Daikin Altherma heat pumps. Each one is connected to a tank for hot domestic water. One of the heat pumps is also used to heat the swimming pool.







Nueva Andalucía, Marbella

This project is a newly built contemporary villa in Nueva Andalucía, Marbella. Total surface for the underfloor heating/cooling 400 m².

We also predesigned the light plan with different light scenes to adapt it in future to the final client necessities. In various locations in the villa we also installed movement sensors to automatically switch on some lamps.

All the doors in the villa are equipped with sensors, when a door opens the aircon (fan coils) in this room will stop and the underfloor system continues. Instead of the normal grids, we installed line grids from SCHAKO which blended in better with this modern design.

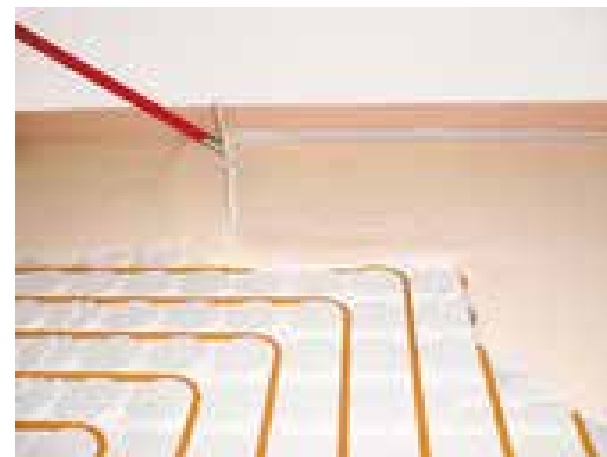
The sun blinds and the circulation system for hot domestic water are also integrated in the **Arcos Confort** system.

We installed three 16 kW Daikin Altherma heat pumps. One off them is especially for the aircon (fan coils) in the living which is over 90 m², one is for the fancoils in the bedrooms and study and one is for the underfloor system. Two of them also produce hot domestic water.





time saving



Special solution

A system with a construction height of just 20 mm. Perfect for reforms wherever there is not enough height, without a need to remove existing floor.

As the floor finishing (for instance tiles) will be mounted directly on the system, the floor heats up or cools down fast.

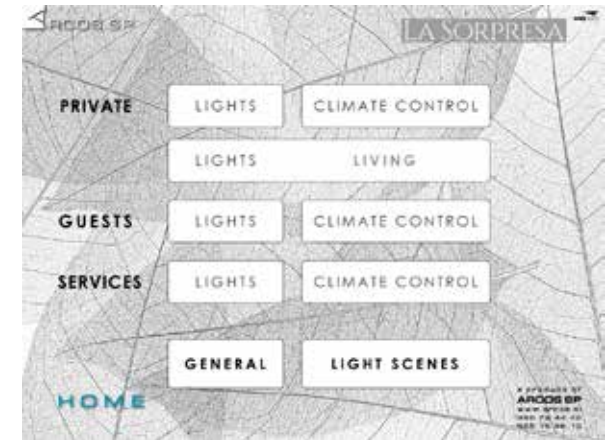
thin system
only 20mm
in height

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Interfaces



Our team

Meet the people who together form Arcos SP. We have a different background than what you would expect from a company which designs, advises and installs climate installations. Because of our backgrounds we approach a project differently than most installers. We go for the most optimized solution for both client and constructor always looking at things from the clients perspective.

Roger Matthijsen - nationality Dutch

He founded Arcos SP, started as a salvage diver at Smit Tak the most important salvage company in which he learned to think and work effective and creative: there are no problems only solutions.

After this he worked at several hospitals and a big public transport company as manager real estate where he was responsible for the maintenance and functionality of the buildings.

Melissa Márquez Perea - nationality Spanish

Graduated at University of Seville as Technical engineer with a workexperience of 8 years.

The mutual way of thinking and approaching projects makes her the ideal partner. She is our link to the Spanish culture and law.

Annemarie de Haas - nationality Dutch

Architect by profession, worked for many years at a real estate developer where she designed the concepts for urban plans, office buildings, shopping centers, houses and urbanisations. In former jobs she did besides designing, also project management.

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