VILLA STERN

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SITE PLAN

1.255 m² BUILT AREA
The surface of the house is distributed in three floors in the plot of 2.212 m².

7 BEDROOMS
All bedrooms have en-suite bathrooms and direct lighting and ventilation.

OUTDOOR POOL
The pool is 12m long and 3m wide, which facilitates its uses as a sport element.

WALK-IN WATER MIRROR
The presence of a water mirror adjoinning to the pool generates a feeling of freshness and brings light to the house.

WELLNESS AREA
The house has a SPA, gym and sauna to ensure well-being and facilitate a healthy life.

HEATED SWIMMING POOL
In the basement there is a heated swimming pool that is illuminated with LED lighting.

CIRCADIAN LIGHTING
Ciradian lighting consists of the automatic regulation of the light tone to suit human needs.

CONTACT WITH NATURE
The villa is located in the most privileged environment completely surrounded by nature, without leaving all the comforts of cosmopolitan life.

VIEWS TO REAL CLUB VALDERRAMA
The villa has views of the Real Club de Valderrama from all first floor bedrooms.

SECURITY
The urbanization has its own security service.

ELEVATOR
The villa has a fully customized elevator connecting the basement, the ground floor and the first floor.

MASTERPLAN

OUTDOOR AREAS
swimming pool
water mirror
covered terrace
uncovered terrace

DAY AREA
hall
living room + tv room
dining room
show kitchen
prep kitchen
powder room
bedroom with bathroom

GUEST AREA
bedroom
bathroom
kitchenette

NIGHT AREA
master bedroom with en-suite bathroom
3 bedrooms with en-suite bathrooms
studio

LEISURE & WELLNESS AREA
interior pool
SPA
shower
GYM
cinema
living room & bar
toilet

SERVICE AREA
laundry
staff bedroom with en-suite bathroom

FACILITIES
elevator
garage for 4 cars
storage room
technical room

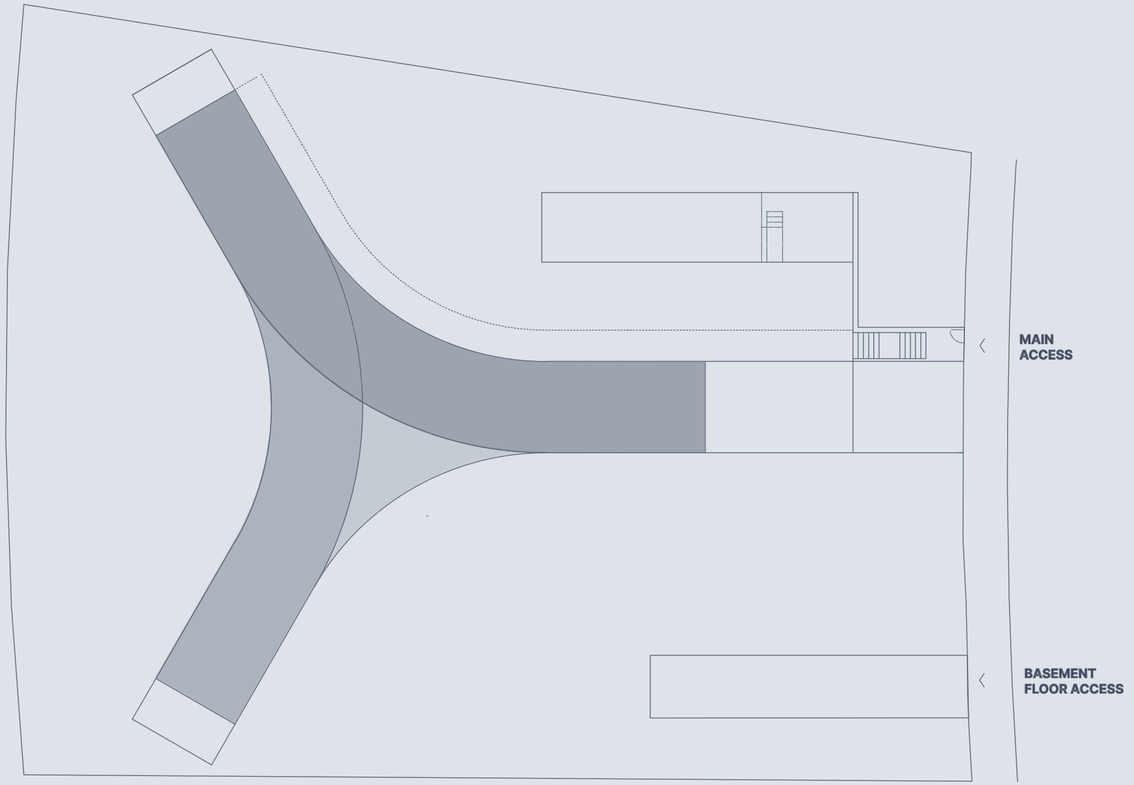
TOTAL PLOT AREA
2.212 m²

TOTAL BUILT AREA
1.255 m²

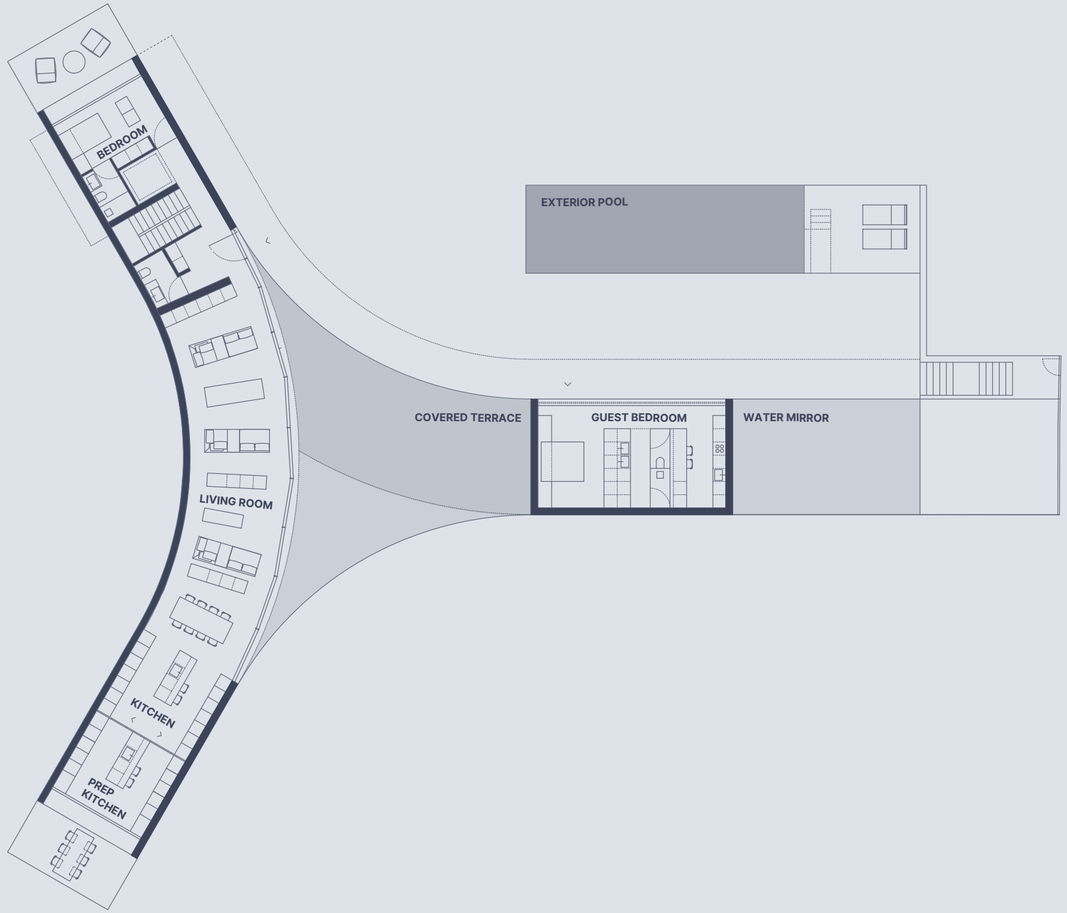
INTERIOR AREA
1.011 m²

COVERED TERRACES
65 m²

UNCOVERED TERRACES & WATER AREAS
179 m²



GROUND FLOOR



TOTAL BUILT AREA
489 m²
INTERIOR AREA
251 m²

USEFUL AREAS

Living - Kitchen	115 m²
Bedroom	18 m²
Guest bedroom	39 m²
Hall - Toilet	11 m²
Covered terraces	65 m²
Uncovered terraces	83 m²
Swimming pool	44 m²

FIRST FLOOR

TOTAL BUILT AREA
201 m²
INTERIOR AREA
201 m²

USEFUL AREAS

Studio	16 m²
Bedroom 01	19 m²
Bedroom 02	28 m²
Bedroom 03	28 m²
Main Bedroom	37 m²


PRADA

BASEMENT

TOTAL BUILT AREA
565 m²
INTERIOR AREA
559 m²

USEFUL AREAS

Leisure - Cinema	146 m²
Wellness - Gym	86 m²
Laundry - Toilet	9 m²
Garage	154 m²
Staff area	20 m²
Technical room	48 m²

ZERO ENERGY CONSUMPTION

THE INNOVATED TRADITION

Architecture is no longer limited to supplying the functional requirements of the users who inhabit it. From Cork Oak Mansion, in collaboration with Fran Silvestre Arquitectos, there is an indisputable commitment to the environment. It is committed to sustainability through the architecture itself, which incorporates a comprehensive design in which all aspects influence.

The objective is for the architectural design from innovative tradition to guarantee watertightness, energy generation and the absence of losses to ensure that the home's consumption is zero.

ZERO ENERGY CONSUMPTION
The way to achieve maximum comfort while respecting the environment

The concept of zero energy consumption without sacrificing maximum comfort is the callenge of this villa. It consists of integrating nature and open spaces in a design and luxury home, with the aim of practically eliminating the environmental impact.

This house uses renewable energy to supply all its needs, making it an energy self-sufficient villas. All these economic and environmental benefits do not detract from the aesthetics and luxury of the villa.

To achieve this, a geothermal system with solar panels and battery accumulation generate enough energy to satisfy all the consumption of the house in one year, as well as an equivalence to 60,000 kms a year of an electric car. All this can be achieved without sacrificing aesthetics, good materials and the greatest exclusivity.

GEOTHERMAL SYSTEM
Geothermal system use the relatively constant temperature of the earth as the exchange medium instead of the outside air temperature.

Air-conditioning, sanitary hot water and underfloor heating energy production by means of a geothermal system.

PHOTOVOLTAIC SYSTEM
Photovoltaic system is a special electrical system that produces energy from a renewable and inexhaustible source: the sun

38.64 kWp grid-connected solar photovoltaic system for self-supply.

BATTERY SYSTEM
Battery system is made up of electrochemical cells which generate electrical energy at a specified voltage.

Accumulation of energy without waste for later use.

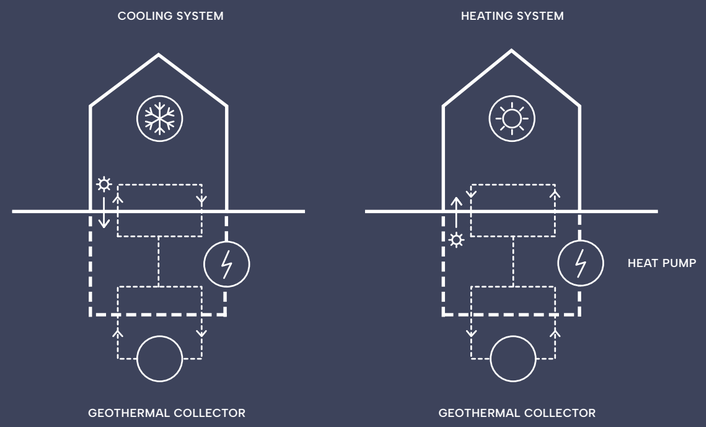
THERMAL INSULATION SYSTEM
Thermal insulation system reduces heat transfer between solid objects, fluids or gases by introducing a barrier between them.

Continuous thermal envelope that guaarantees temperature control and comfort of the house with no energy losses.

FIRST CLASS MATERIALS AND GOOD ORIENTATIONS
First class materials are those which are extremly good and of the highest quality.

High quality carpentry and materials are used to preevent interior-exterior heat flow. In the other hand, the correct orientation of the house ensures the use of shading, which favors the natural air conditioning of the villa.

WE DON'T TALK ABOUT SUSTAINABILITY
AS A MARKETING CONCEPT.
IN CORK OAK MANSION, IT IS A
SCIENTIFICALLY
PROVEN REALITY.



LOW-ENTHALPY GEOTHERMAL ENERGY

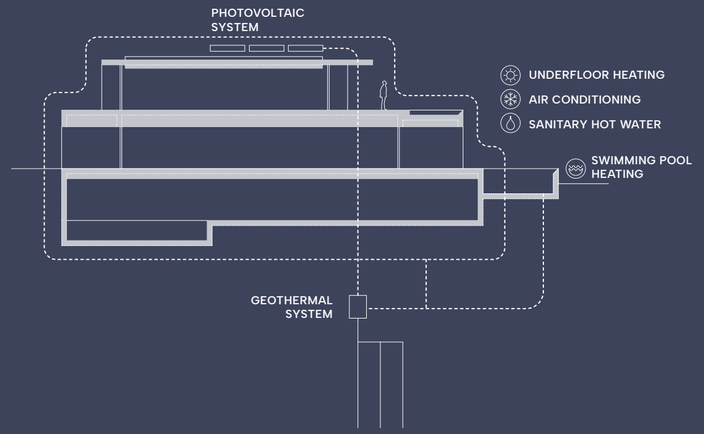
The installation can function as both a heating and cooling method. In the first case, the pump extracts energy from the ground and introduces it into the house in the form of heat. When the demand is for cooling, the machine evacuates the heat from the building and uses it to produce domestic hot water and to heat the swimming pool. Once these needs are met, the excess heat is sent to the ground.

PHOTOVOLTAIC SYSTEM

The electrical energy produced by the photovoltaic panels is an endless, renewable and non-polluting source. It contributes to sustainable development, since it consumes the daily energy produced by the sun. This energy can be used for self-consumption or be fed into the Spanish electricity grid for later compensation. During periods of low solar radiation, the energy that has been accumulated during the light periods is used. The building will be energetically self- sufficient and will obtain surplus energy to charge vehicles.

BATTERY SYSTEM

Batteries are one of the best self-sufficient systems. The energy collected in hours of non-energy use is accumulated to provide support in the necessary hours. The excess energy generated is accumulated for own use.



ENERGY SELF-SUFFICIENT VILLA
The home's two primary renewable energy sources (geothermal and solar photovoltaic) work together, making the villa an energy self-suficient building.

UNDERFLOOR HEATING
Indoor installations for underfloor heating.

AIR CONDITIONING
Indoor installations for air-conditioning by means of ducted units.

DOMESTIC HOT WATER
The energy produced by geothermal energy supplies heated domestic water.

HEATED POOL
Installations for heating of indoor swimming pool.

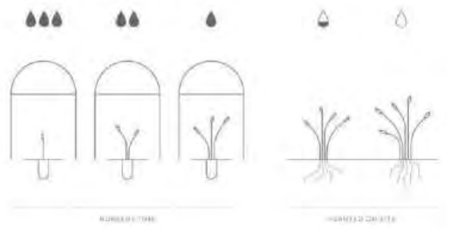
HYBRID SYSTEM
Hybrid system with battery storage.

LANDSCAPE

The strength of our Project lies within the power of the enclave and the architecture which the garden is displayed around, where it aims to function in an efficient and communicating way.

We work with drought torelant Mediterranean plants to minimise water consumption as much as possible, combining grasses with tree species such as Olea Europaea, Quercus ilex and Ceratonia siliqua.

SEASONAL CHANGE



BEFORE PLANTING, THE SPECIES ARE CAREFULLY SELECTED IN A NURSERY AND EXPOSED TO
SEVERAL CHANGING EPISODES OF WATER STRESS TO ENSURE A PROPER ADAPTATION TO AN
ENVIRONMENT WITHOUT ANY IRRIGATION

STERN