



VICEROY
OMBRIA ALGARVE



PLANT NURSERY

As we promote the inland region in the Algarve and partner with the local community, we have created a safe space for all the biodiversity within Ombria. By building a plant nursery we are ensuring the development and growth of local species and working towards the preservation of the existing flora and fauna.

- Over 1,800 linear metres of restored river habitat
- Over 700 oak trees planted
- Commitment to a 1:5.6 re-planting policy ration site wide
- 2 on-site plant nurseries, greenhouse and an organic farm
- 57 hectares of protected land within the resort master plan



WATER MANAGEMENT

Rainwater collected by the ditches alongside our roads, streets and car parking areas is channeled towards a storage lake on the 18th hole of the golf course and used for irrigation and landscaping by sophisticated, energy-efficient pumps that will save water and electricity by around 15%.

All rain water is collected, filtered at a hydrocarbons separator, and sent to the golf course lake. Irrigation of Golf Course, Hotel and Clubhouse is done with this recycled water.



320 DAYS OF SUNSHINE A YEAR



SOLAR ENERGY

With over 320 days of sunshine a year, developing solar technology is important for the future of the Algarve. Supporting the geothermal system for climate control and outdoor pool heating will be a network of vacuum solar collectors to harness this abundant natural resource.

Solar Energy: 156 solar panels vacuum tubes. Aprox 473 m² of solar collectors surface; Solar Energy will support sanitary hot water production, heating swimming pools, and recharge Geothermal loop (if needed).

GEOTHERMAL ENERGY

Low-impact near-to-surface geothermal system works by transferring the geothermal energy to pumped water through the ground and, in combination with reverse heat pumps, used for climate control, both cooling or heating.

Ombria will use a low enthalpy geothermal system, with geothermal heat pumps, to meet needs of heating and cooling the interior conditions. Also will be used for production of sanitary hot water and heating swimming pools.

Our system has been designed to work in a seasonal balance, without causing changes in the natural temperature of the terrain. Other advantages from Geothermal Energy, are related to no visual impacts in the roofs or building facades, no burning gases, so no risk, no sound/noise pollution and no smoke emissions. Ombria Geothermal System includes 244 geothermal boreholes, deep between 100 to 125m.

INSPIRED BY AUTHENTIC PORTUGUESE CULTURE AND PURE-NATURE EXPERIENCES



HOTEL DESIGN

NEARLY ZERO-ENERGY BUILDINGS (NZEBS)

Principles of sustainability were applied to the design and attributes of every building found at Ombria. Bioclimatic architecture, both innovative and traditional, allows for energy to be conserved wherever possible, using age-old Algarvian build methods and locally sourced materials perfectly adapted to the climate.

- Full energy systems monitoring and control (HVAC, Lights, energy consumptions, etc)
- HVAC equipments with free cooling

THERMAL INSULATION

Thermal insulation: For perfect thermal protection and sound proofing, the façades comprise Diasen Diathonite® Evolution, which is a natural eco-friendly premixed plaster (with cork), totally cement-free, made with pure natural hydraulic lime, clay, diatomaceous earth and reinforcing fibres. This product has the best coefficient of thermal conductivity currently on the market for thermal coatings.

Another advantage is that with this solution we have also eliminated using plastic / oil-based materials in the wall structure. We also eliminated using plastic products under wooden parquet floors, cork-based material will provide the sound insulation required.





BIOClimATIC ARCHITECTURE

Based on the principles of bio-climatic architecture, the building design and architecture at Ombria employs the use of both locally inspired regional elements and locally sourced natural materials, leading to an overall reduction of energy consumption and environmental footprint.

LIGHTING

Lighting for both public spaces and interiors have been carefully selected to minimise energy consumption and maximise lifespan – with all installations using LED technology. Photoelectric sensors also help to maximise energy efficiency with centralised control systems for indoor and outdoor lighting that follow changes in daylight, weather and occupancy.

ELECTRIC VEHICLE CHARGE POINTS

Hotel Guests will receive access to parking spaces with electric vehicle charge points available, with a total of 32 individual access points

	External (Park)	Internal (Park)	Electric Motorcycle
Lot E (HOTEL)	4	5	0
Lot F(CLUBHOUSE)	5	8	2

RECYCLING

Separating waste will be made easy for guests, residents and staff with eco-points and recycling bins available inside and out helping to promote a culture of organised recycling throughout the resort



GEO CERTIFICATION

Ombria Golf Course was recognised with a GEO Foundation certification, showing and outlining the ways in which the construction of the golf development, has benefited local communities and the environment.

HERITAGE

We have various testimonies of built heritage related to the land's experience as an agricultural property. We believe restoring this patrimony - not removing it - is a core part of Ombria's sustainability commitment.

LIME KILNS:

5 will be preserved and visitable, and 2 will be preserved, restored and inserted in the Golf landscaping.

2 WEIRS:

1 - the Algibre Stream Weir.
2 - the weir in the Ribeira da Fonte Menalva.

WATER STORES AND "LEVADAS":

+/- 2.5 kms of levadas or water channels to move water towards garden crops.
- 8 Water tanks and 5 waterwheels, all part of the levada's hydraulic system





ABOUT VICEROY HOTEL GROUP

Viceroy Hotel Group inspires travelers with one-of-a-kind authentic lifestyle experiences that bring together provocative design and intuitive service in sought-after locations. A leader in modern luxury, Viceroy's vibe-led hospitality is guided by the brand promise "Remember to Live," an affirmation to create lifelong memories for each and every guest.

ADDRESS

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