

# CARVED *by* NATURE

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Sustainability Report



OMBRIA  
RESORT





EUROPEAN  
PROPERTY  
AWARDS  
DEVELOPMENT

AWARD WINNER

SUSTAINABLE  
RESIDENTIAL  
DEVELOPMENT  
PORTUGAL

Viceroy Residences at  
Ombria Resort  
by Ombria Resort

2019-2020

Sustainability is so much more than something we do; it's a part of who we are.

Ombria Resort was, from the beginning, inspired by a unique, unspoiled location – a beautiful valley in the Barrocal sub-region of Algarve, between the mountains and the coast, close to the historic market town of Loulé. Spread over more than 150 hectares and surrounded by lush oak forests and rivers, it sheltered incredible biodiversity and traditional village communities alike. Perfectly preserved, we had found the authentic heart of the Algarve.





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It is a place of harmony, between local people and their lands, between the flora and fauna of delicate ecosystems. We describe this area as being 'Carved by Nature', and our passion for this peaceful region grew into a deep commitment to pioneer a true sustainable development in the Algarve, embedding our environmental, economic and socio-cultural values into an authentic experience to inspire our clients and guests just as it inspired us.

For us, sharing our message of social and environmental responsibility is fundamental to that experience. By delivering this to our residents, guests, employees, partners and neighbours, we can work together and ensure that this sanctuary lives on just as we found it, thriving and prospering for future generations to enjoy.





Leading the way for  
sustainable Algarve tourism.

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## A New-Generation Sustainable Resort

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At the heart of Ombria Resort lies a genuine commitment to sustainability, to take into account our economic, environmental and social responsibilities in order to pioneer a naturally exceptional development in harmony with the surrounding landscape and local communities of the Algarvian Barrocal.

To achieve this, our sustainable values have been guiding principles from the initial development concept through to design, construction and operational procedures. At every step, the impact each decision will have upon our environment and surroundings has always been the most important factor in determining the way ahead.



Our heritage,  
a unique way of life.

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With a specially designed infrastructure in place, we will minimise the use of natural resources and help preserve the unique local biodiversity of the region – with our use of an innovative near-to-surface geothermal energy system already pioneering the technology for sustainable tourism in Portugal.

Alongside creating vital infrastructure, improving accessibility and generating new jobs & business opportunities, we see ourselves as a member of a larger community, supporting several sports and cultural local associations and entities throughout nearby towns and villages.





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By adopting a transparent policy on all these issues, implementing fair and sustainable trade practices, supporting local contractors, and running awareness-raising campaigns encouraging respect for nature, our local heritage, culture, and communities, we aim to live here in the same harmony as our neighbouring villages.







Keeping nature  
in mind, always.

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## Sustainable Golf: Playing to the Highest Standards

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Concerns and expectations of sustainability are growing in all walks of life, and the golf community is no different, now looking to contribute more, for the welfare of nature and communities - and for the good of the game.

To protect the rich natural biodiversity that surrounds us, we have minimized the use of natural resources and built on less than a quarter of the total resort area, with the greens and fairways of our golf course designed to blend seamlessly into the environment surrounding them by repopulating indigenous tree and plant species.










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Our golf course has been woven around ancient rivers and trees that have stood for generations, achieving golf's most prestigious ecolabel certifications by planting over 750 holm oaks – we can now count over 2000 such trees in Ombria Resort.

GEO Foundation's certification is the international benchmark of a great, responsible golf course, demanding the highest standards of sustainability across six key areas - nature, water, energy, supply chain, pollution control and community.

-  sustainable vision
- +
-  Over 2.000 new trees will be planted
- +
-  minimal water consumption
- =







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Our commitment to the utmost respect of our surroundings by protecting natural habitats, using natural resources responsibly and working alongside the local community, is part of a larger responsibility to ensure that golf at Ombria Resort also benefits the stunning landscapes and vibrant community we play alongside.





# Leading the Way for Sustainability in Portugal

Minimising our environmental impact while leading the way for sustainable tourism in the region is a mission we feel passionately about – and are proud of the role we are playing in developing new technology and raising awareness of the many benefits of geothermal and other renewable energies.

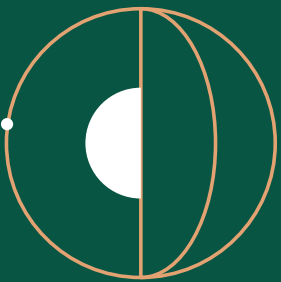


## Geothermal






Our pioneering, low-impact near-to-surface geothermal system works by transferring the geothermal heat to pumped water through the ground and, in combination with reverse heat pumps, used for climate control, both cooling or heating. A clean, round-the-clock renewable energy source free of risk for ourselves and our neighbours.

# GEOTHERMAL ENERGY

Renewable heat energy harnessed safely from low depths just below ground level.

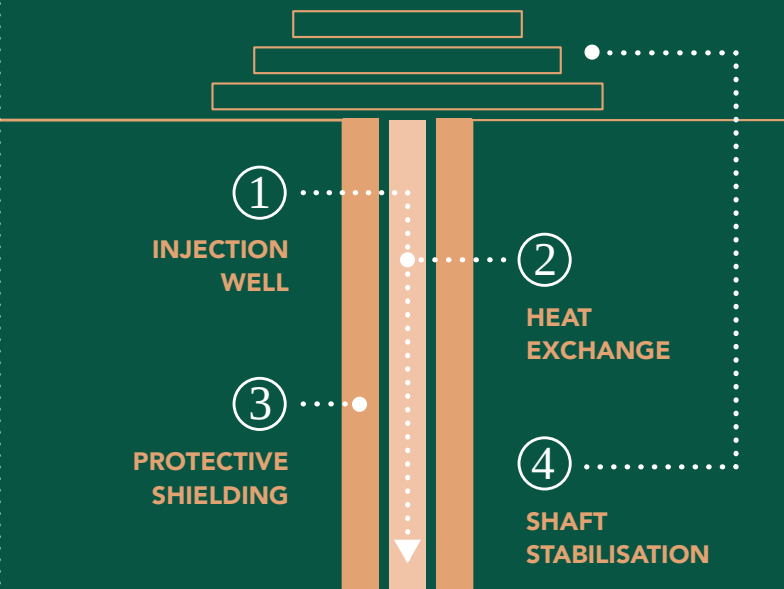


## BENEFITS

-  A SUSTAINABLE RESOURCE
-  MINIMAL VISUAL IMPACT
-  VIRTUALLY ZERO CO<sub>2</sub> EMISSIONS
-  UNAFFECTED BY CLIMATIC CONDITIONS
-  LESS NOISE



## OMBRIA RESORT GEOTHERMAL SYSTEM







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### Solar

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 panels to harness this abundant natural resource.



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## HVAC

Our sustainable, highly efficient HVAC system was designed to prove adaptable and flexible to the characteristics of Algarve's climate. By also minimising its local impact, residents and guests will benefit from the naturally pure air of our location without compromising on its peace and tranquillity.







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### NZEBs - Nearly Zero-Energy Buildings

Principles of sustainability were applied to the design and attributes of every building found at Ombria Resort. 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.





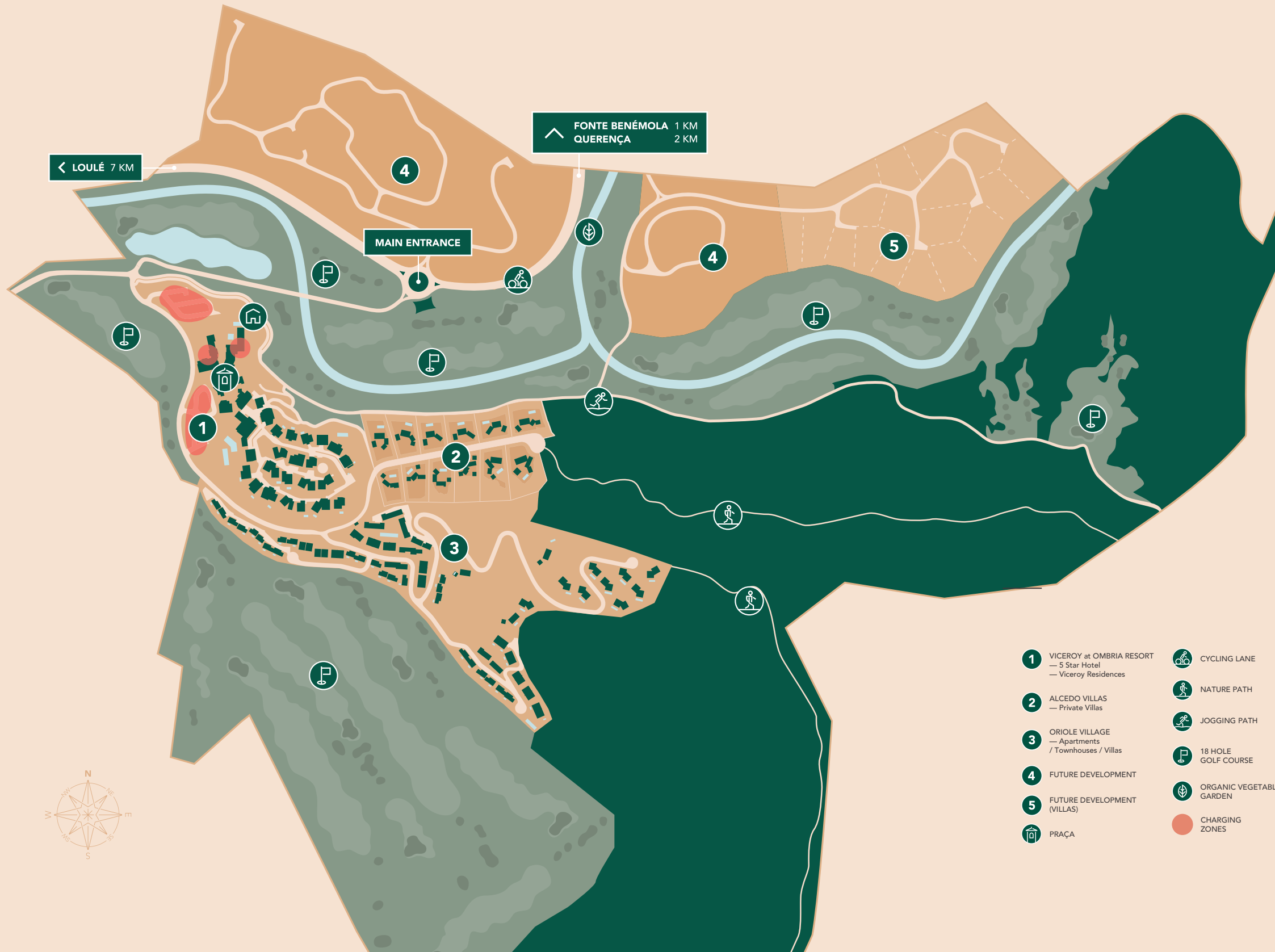
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### Water Management

By carefully considering water management across the site of Ombria Resort, we were able to minimise water consumption and also develop a specially designed pumping system that will store and distribute naturally replaced rainwaters.

Rainwater collected by the ditches alongside our roads, streets and car parking areas will be channelled 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%.





← LOULÉ 7 KM

^ FONTE BENÉMOLA 1 KM  
QUERENÇA 2 KM

MAIN ENTRANCE

- 1** VICEROY at OMBRIA RESORT  
— 5 Star Hotel  
— Viceroy Residences
- 2** ALCEDO VILLAS  
— Private Villas
- 3** ORIOLE VILLAGE  
— Apartments  
/ Townhouses / Villas
- 4** FUTURE DEVELOPMENT
- 5** FUTURE DEVELOPMENT  
(VILLAS)
- PRAÇA

- CYCLING LANE
- NATURE PATH
- JOGGING PATH
- 18 HOLE GOLF COURSE
- ORGANIC VEGETABLE GARDEN
- CHARGING ZONES

### 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.

### Electric Vehicle Charge Points

Public and private parking spaces will all have electric vehicle charge points available.

### Innovation and Technology

A key consideration in the design of facilities at Ombria Resort was to create new infrastructure for sustainable energy management which reduces energy needs while maximising the use of renewable energy - and developing the innovative technology we needed to do so.





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## Architecture

Based on the principles of bioclimatic architecture, the building design and architecture at Ombria Resort 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.









Design inspired  
by sustainability.

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### 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.





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### A Genuine Commitment

Our first sustainability report was created to provide a simple, clear insight into our economic, environmental and social impact, and how our policies, management practices and future goals are inspired by our passion to preserve a unique way of life.

A genuine commitment to environmental sustainability and deep respect for local communities and traditions, at the heart of Ombria Resort lies our responsibility to take real steps to protect and preserve the natural beauty and heritage of our home here.

The next chapter of Ombria Resort begins in the Algarve valleys, and by pioneering sustainability and promoting our local community, we believe we are writing their future together.



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