

information

Mandarin Oriental, Bodrum
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GREEN INITIATIVES AT MANDARIN ORIENTAL, BODRUM

Mandarin Oriental, Bodrum is committed to the preservation of its natural environment, to energy efficiency and to limiting its carbon emissions. The hotel has implemented a sustainable approach to its landscaped design in order to create a habitat that integrates the construction into the existing natural environment. The landscaped area is home to over 100,000 trees and one million plants. Waste water is used to irrigate the forestry area inside the resort as well as the adjacent forest area outside its borders. Mandarin Oriental, Bodrum also pursues a green and organic approach in the kitchen by using local, seasonal, natural and (where possible) organic products. An on-site organic garden provides fresh produce for the kitchen, while a second garden is used for the sourcing of all-natural, hand-ground ingredients for the spa.

Efficient Heating & Cooling

Heating, Ventilation and Air Conditioning systems commonly dictate extensive energy consumption; yet Mandarin Oriental, Bodrum has prioritised the use of higher-coefficient-of-performance components, and integrated its heating, cooling and ventilation systems accordingly. Innovative water-sourced, heat-pump cooling systems take full advantage of the temperature differences between the hotel environment and the local seawater to ensure that energy is consumed at the minimum possible level, while heat recovery systems are also implemented where available.

Lighting

The layout of Mandarin Oriental, Bodrum is designed to take full advantage of natural light. Advanced property management software monitors all the systems in operation, including lighting elements, and adjusts these to match consumption expectations, ensuring no component is activated unless necessary.

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Recycling

The separation and management of waste is carried out to maximise recycling in accordance with the high standards of the Mandarin Oriental group, which is wholly committed to energy efficiency and to reducing its carbon emissions.

Green Roofs

The vast majority of the guest rooms and suites boast roof gardens whose potted shrubbery reduces the impact of the summer heat while improving thermal insulation, thereby improving energy efficiency. As well as their environmental benefits, these beautiful roof decks also help to integrate the building into its surrounding landscape.

Water Conservation

The irrigation of the surrounding forest is undertaken with grey water. All grey water created by the facilities of the site is treated in the waste water treatment plant, so as not to create an additional load on the city sewage infrastructure. Treated waste water is used to irrigate the forestry area across the resort as well as the adjacent forest area outside the hotel's borders. This approach provides evenly distributed irrigation to the green belt around the whole project zone, preventing the forest land from becoming too dry and serving as an extra precaution against wild fire.

Seawater is converted into fresh drinking water for use in the hotel with the help of advanced reverse osmosis plants. Separate plants serve the resort as well as the residences to provide fresh water for hotel operational needs as well as guest use. Advanced mechanical filtration, UV sterilization and dosing are in use to ensure guests enjoy the water at Mandarin Oriental's highest standards of physical, chemical and biological attributes.

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Sustainable Approach to the Landscape

Over 100,000 trees and one million native plants, weaving a rich tapestry through the existing vegetation, have been planted in the resort. Species were handpicked to match the local flora of the region while harnessing low water consumption and a suitability to the coastal environment; the natural soil of the site was used for all planting, rather than importing soil.

Going Green in the Kitchen

Chef Uwe Faust and his team use local, seasonal, natural and (where possible) organic products. Mandarin Oriental, Bodrum also benefits from an on-site organic garden providing fresh products for the kitchen, as well as a garden for sourcing all-natural, hand-ground ingredients for use in the spa.

Green facts

- The hotel gardens are planted with native Mediterranean plants in beautiful colours, rich in scent and texture, set among stone materials and existing trees indigenous to the region.
- Trees and boulders have remained untouched to encourage the integration of the landscaping into the existing environment and to avoid disturbing the local wildlife as much as possible.
- The utmost attention has been paid to ensure that olive groves are maintained as the signature feature of the resort, while the existing pine forest and its natural watercourses have been left relatively undisturbed.

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- Pools as well as other landscaped features have been carefully set out to incorporate as many existing trees as possible, thereby instilling a romantic sensibility that also complements views of the resort from the sea and other surrounding areas.
- Private cabanas have been nestled into the hillside among existing trees, creating intimate spaces to relax and unwind.
- Advanced software controls ensure lighting elements are dimmed when possible, saving energy while providing the desired atmosphere.
- Property management software monitors all systems and adjusts them to match consumption; no component in the system is activated unless it is necessary.
- ‘Green roofs’ achieved by roof planting reduce the heat impact while improving thermal insulation and integrating the building into the surrounding landscape.
- Over 100,000 trees and one million native plants, weaving a rich tapestry of existing vegetation, have been planted across the resort. Species were handpicked to match the local flora of the region while harnessing low water consumption and a suitability to the coastal environment; the natural soil of the site was used for all planting negating the need to import soil.
- Guests are ferried around the site as required by eight golf carts of different sizes, most of which are electric.

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For further information, please contact:

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