Komandoo
MALDIVES

SUSTAINABLE LUXURY

TABLE OF CONTENTS

1. Executive Summary
2. Introduction
3. Sustainable Activities
    - Champions Awareness
    - Energy Reduction
    - Wildlife Protection
    - Electrical Power Plant
    - Water Consumption
    - Waste Management
    - Healing Earth
    - Plastic Reduction
    - Komandoo Green Club
4. Sustaining Paradise
    - Future Strategies
    - Water Villa Integration
    - Continuous Innovation
    - Diligent Water Management

1. EXECUTIVE SUMMARY

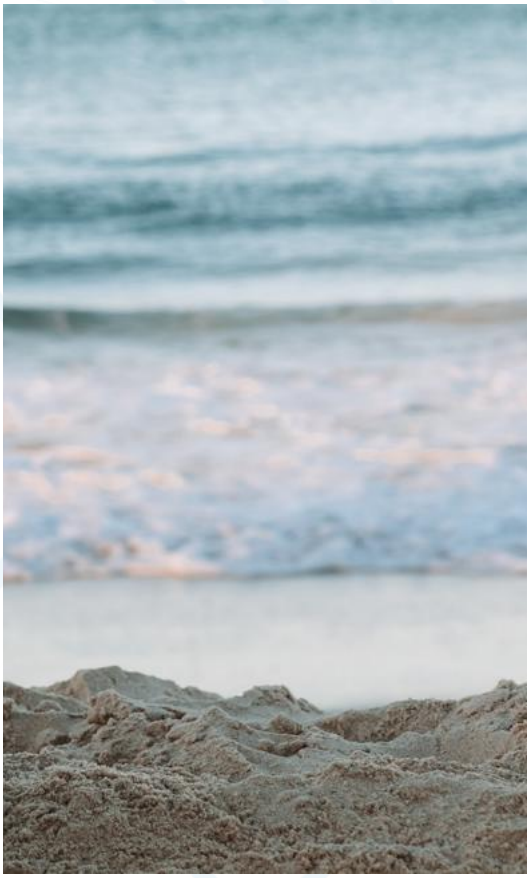
Komandoo is an adults-only island retreat that offers guests a unique blend of natural beauty, exceptional hospitality, and a continuous commitment to sustainability. Tucked in Lhaviyani Atoll, the resort combines modest accommodations, pristine white beaches, and vibrant marine life with a forward-thinking approach to environmental preservation. With a focus on responsible practices, conservation efforts, and community engagement, Komandoo is dedicated to not only providing an unforgettable vacation experience, but also contributing positively to the delicate ecosystem of the Maldives.

2. INTRODUCTION

Rooted within the breathtaking palm-fringed archipelago of the Maldives, Komandoo stands as an insignia of accessible luxury and serenity, embracing the concept of sustainable lifestyle. The resort's tropical allure on a private island surrounded by turquoise waters and coral reefs is matched only by its resolute commitment to sustainability. In an era where responsible travel and eco-consciousness are central, Komandoo is pioneering a new direction in the hospitality industry by seamlessly integrating a lap of luxury and eco-friendliness.

Combining the alluring allure of the Maldives with the enchanting ambiance of an intimate resort, Komandoo is tailor-made for romantic indulgence. With its accolade-worthy hospitality and an array of leisurely pursuits, a care-free sanctuary unfolds, ideally suited for honeymoon, a serene romantic rendezvous, or a rejuvenating escape with companions. A dimension of un-adulterated paradise invites promising simplicity at its finest.

As concerns about climate change and the preservation of fragile ecosystems continue to grab attention, Komandoo is poised to lead the way in demonstrating that tropical getaways can harmoniously co-exist with sustainable practices. This introduction explores the resort's evolution, its dedication to sustainability, and its vision for a future where travellers can indulge in comfort while contributing positively to the environment and local communities.



3. SUSTAINABLE ACTIVITIES

Champions Awareness

A dedicated effort is made at Komandoo to convey essential environmental practices to the esteemed Champions, not only within the workplace but also by introducing simple yet impactful eco-friendly measures, that can seamlessly integrate into their everyday lives.

Komandoo places importance on cultivating a profound awareness among its Champions about pressing environmental issues. This extends to fostering a deep respect for the preservation of local cultures, further underscoring the belief in the vital significance of responsible actions by all.

The heart of Komandoo´s philosophy lies in the earnest encouragement of its Champions' active involvement in a wide spectrum of sustainable initiatives. The resort takes pride in nurturing a community of individuals who not only understand the significance of environmentally conscious endeavours, but also champion their causes with zeal.

When it comes to treasured guests, Komandoo embraces transparency about its unswerving environmental commitment. The resort provides guests with the unique opportunity to actively contribute and support its green initiatives, thus becoming integral participants in the shared journey towards a more sustainable future.

Beyond the confines of the resort, Komandoo assumes the role of an advocate, extending the very same awareness held dear to the broader local community. By imparting knowledge about environmental concerns, celebrating local cultures, and demonstrating best practices, the resort aspires to inspire widespread change and consciousness, echoing its dedication to responsible conservancy in every facet of life.

Energy Reduction

In pursuit of their commitment to reduce energy consumption and minimise ecological footprints, the organisation has implemented a series of targeted initiatives aimed at achieving substantial energy reductions while enhancing the overall guest experience.

1. Targeted Reduction and Achievements: The initial target was to achieve a reduction of 59.93 kWh per guest night, based on the end-of-year average of 2019. While the organisation has not yet reached the precise target, they are proud to report significant progress:

   End of Year 2020: Achieved 58.30 kWh per guest night, representing a 2.8% reduction from the baseline.

2. Multi-Faceted Approach: To accomplish these energy reductions, the organisation has adopted a multi-faceted approach that encompasses various key strategies:

3. LED Lighting Implementation: A major contributor to their energy savings is the transition from conventional lighting to energy-efficient LED bulbs. This switch not only reduces power consumption but also minimises heat emissions, thereby contributing to a healthier and more oxygen-rich environment for guests.

4. Efficient Equipment Procurement: In their ongoing pursuit of energy efficiency, the organisation has been diligent in procuring equipment with lower energy consumption profiles. This includes a comprehensive evaluation of energy-efficient alternatives before making purchasing decisions.

5. Champion Training: Empowering staff members with knowledge and skills is vital to energy-saving efforts. Through specialised training programs, Champions have been educated on the optimal usage of equipment and resources, ensuring that energy is used judiciously and responsibly.

6. Laundry Operational Optimisation: Reducing the laundry operation hours from 14 to 10 per day has not only streamlined processes, but also contributed to energy savings. Additionally, innovative use of sunlight, filtered through translucent sheets, for drying clothes on cloudy days, has further reduced reliance on electric dryers.

7. Solar Energy Integration: The organisation harnesses the power of solar energy for water heating across all guest accommodations, except the water villas. Streetlights are equipped with solar panels and timers to prevent unnecessary energy consumption. This strategic implementation ensures that energy is utilised only as required.

Wildlife Protection

Komandoo, boasting an impressive array of wildlife, welcomes visitors to its natural haven. The diverse inhabitants include captivating creatures, such as garden geckos, a vibrant variety of birds encompassing even the graceful fruit bats, and beneath the shimmering waves, the island serves as a nurturing ground for three generations of bill turtles. Noteworthy among the avian residents are the majestic Great Crested Tern, the migratory Cattle Egret, the melodious Asian Koel, and the dignified Grey Heron.

Guided by a commitment to environmental preservation, Pro-Divers, the esteemed dive centre, undertakes vigilant stewardship over the island's flora, fauna, and the expansive ocean surroundings. Within the bounds of our resort, an ethos of compassion prevails, exemplified by the steadfast prohibition of confining animals or birds within cages, even for companionship.

In the spirit of safeguarding the natural balance, the resort upholds a strict no-feeding policy for the aquatic denizens. This measure safeguards the innate hunting instincts that define these remarkable creatures, ensuring their long-term vitality. Abiding by national legislation, the island reverently forbids fishing on the delicate reef ecosystem, an enforcement that culminates in a lagoon teeming with vibrant marine life.

This harmonious coexistence between man and nature culminates in a shared passion for snorkelling among esteemed guests, who are captivated by the kaleidoscope of life thriving within the aquamarine tapestry of Komandoo's waters.

Electrical Power Plant

At Komandoo, an autonomous power generation system is in place, driven by four Stamford AC Generators, each powered by robust Cummins diesel engines, with a combined theoretical capacity reaching up to 1200 KW. The orchestration of these generators is meticulously synchronised, overseen from the Distribution Panel Control Room.

The generated power is seamlessly channelled through a "tree system," wherein it courses through distribution panels before being allocated to fulfil the diverse energy demands of guest accommodations, Champions rooms, and public spaces. Notably, the electrical outlets in the guest rooms deliver a consistent 230 Volts at a frequency of 50 Hz.

The resort's energy usage exhibits distinct patterns: a pinnacle demand of around 530 KW materialises at approximately 1900 hrs, while a nadir of about 375 KW is encountered during the early hours, specifically between 04:00 and 06:00.

To fuel this intricate power ecosystem, an average of 1900 litres of diesel is consumed daily, based on calculations catering to full occupancy, encompassing 65 guest rooms and accommodation for nearly 150 Champions. A secure supply is ensured through the resort's substantial diesel storage capacity, with storage tanks holding 127,000 litres, equivalent to a resilient 71-day reserve. A discreet underground pipeline facilitates refuelling, drawing from the supply jetty where the fuel tanker docks.

Water Consumption

With the looming threat of global warming, particularly pronounced in the Maldives region, the availability of freshwater has become exceedingly scarce, primarily relying on a handful of natural wells. In light of this pressing concern, the imperative for water conservation has grown. As a conscientious entity, the company is steadfast in its commitment to:

- Continuous Water Consumption Reduction: The company is unswerving in its dedication to identify and implement ongoing methods for curbing water consumption.

- Minimising Water Losses: Diligent efforts are made to diminish water losses by conducting routine leak inspections and prompt repairs.

- Guest Usage: Komandoo draws upon two primary water sources: reverse osmosis (RO) and ultraviolet (UV) systems.
  The infrastructure includes:
  * 2 RO plants
  * 5 rainwater tanks
  * 2 freshwater tanks with a capacity of 175,000 litres each

- Back-of-the-House Utilisation: Water serves several purposes within the back-of-the-house operations, particularly in gardening. The resources utilised for these endeavours include RO water and rainwater.

Summary:
Significant strides were made in 2019, evidenced by the replacement of water-saving showerheads and sensor taps in public areas, as well as the introduction of a new irrigation system. A recent noteworthy achievement involved the installation of a low-energy 200-ton RO water system, resulting in a remarkable 50% reduction in energy costs. Water-saving initiatives also encompass the incorporation of sensors, regulators, and other devices, exemplified by sensor-controlled men's urinals. Efficiency in laundry operations is prioritised through Champion training, aimed at optimising equipment use to mitigate water and energy consumption.

Additional Measures Include:

* Raising awareness and knowledge among both Champions and guests regarding responsible water usage.
* Rationalising the application of desalinated water.
* Harnessing rainwater whenever viable.
* Reutilizing grey water for irrigation.
* Establishing consumption targets, with regular monitoring & analysis.
* Capitalising on the free resource of seawater for resort-wide water generation.

Waste Management

In their steadfast commitment to environmental preservation, the company recognises the detrimental impact of waste generation on both the ecosystem and public well-being. As responsible stewards, their utmost endeavours are directed towards avoiding, recycling, and reusing waste to mitigate its ecological footprint. The comprehensive Waste Management Plan encompasses the following strategies:

Minimization of Disposable Packaging: There is a concerted effort to curtail the usage of disposable packaging for hotel supplies.

Embrace of Biodegradable Alternatives: Whenever feasible, the company opts for biodegradable products and materials.

Hygiene Product Packaging Rationalisation: Individual packaging of hygiene products in bedrooms is limited.

Systematic Waste Sorting and Separation: An organised sorting and separation process for recyclable waste materials is meticulously implemented.

Efficient Cooking Oil Recycling: Cooking oil is diligently collected and recycled for authorised purposes.

Nutrient-Rich Garden Green Waste Composting: The composting of garden green waste is practised, yielding nutrient-rich natural fertiliser for the island's gardens.

Collaboration with Local Community: Collaborative projects with the local community are undertaken to explore innovative ways to reuse recycled materials.

Support for Environmental Clean-Up Initiatives: The company actively organises and/or supports initiatives aimed at cleaning up the surrounding environment.

Eco-Conscious Purchasing: In the procurement process, a conscious effort is made to seek items with minimal packaging, larger containers, and recyclable packaging when essential. Local fruit and vegetable purchases are intentionally packaging-free, transported in reusable plastic crates.

Source Separation and Organic Waste Utilisation: Waste is diligently collected at the source, utilising colour-coded bins within the Heart of the House. Wet organic waste is macerated and subsequently used in composting to enrich the island's gardens. The average monthly wet organic waste, under full occupancy, amounts to approximately 8000 kg.

Community Collaboration for Waste Management: Initiatives have been launched to collaborate with local agencies, aiming to develop a comprehensive community waste management program.

Ongoing Engagement with Environmental Authorities: The company is resolute in its commitment to work in collaboration with the Ministry of Environment Protection to develop and enhance waste management systems that uphold environmental health and regional community well-being.

Healing Earth

Komandoo Island has elevated its commitment to environmental consciousness by introducing a range of all-natural and eco-friendly products in collaboration with Healing Earth, a brand dedicated to nurturing the symbiotic relationship between humans and nature. The objective was to seamlessly merge the luxurious expectations of discerning guests with a deep-rooted ethos of sustainability, all without compromising on product quality.

This initiative embodies a holistic concept of conscious beauty, encouraging self-care while cultivating a deep respect for the surrounding environment. The carefully curated line of Komandoo Healing Earth bathroom amenities, encircling body lotion, hand wash, shampoo, conditioner, and shower gel, is thoughtfully designed to harmonise with the delicate ecosystems.

Likewise, the resort extends this philosophy to its signature products, synergising them with the transformative experiences offered at its spa. This integration allows guests to forge a holistic connection with their natural surroundings as they immerse themselves in moments of sublime relaxation. It's a testament that as guests unwind, they can rest assured that Komandoo is diligently enacting measures to enhance its ecological sustainability.

These products transcend mere physical well-being; they also embrace a broader ecological consciousness. The Healing Earth items are encased in recyclable packaging, exemplifying a tangible step towards reducing environmental impact. More than being gentle on the body and spirit, these products are conscientiously crafted to be gentle on the planet, void of preservatives, parabens, and petrochemicals.

Plastic Reduction

With an unfaltering dedication to environmental preservation, a remarkable 90% reduction in plastic consumption has been achieved by Komandoo. This monumental achievement has been made possible through a series of deliberate actions and conscientious choices.

A noteworthy milestone in this journey is the resolute decision to cease the purchase of plastic bottled water, a practice that was effectively halted in 2014, resulting in an impressive reduction of 99.9% in plastic bottled water consumption. This progressive measure has significantly curtailed the resort's plastic footprint, signalling a resolute dedication to sustainability.

The approach to dining has also been thoughtfully reconsidered, shunning single-use portions of items such as butter or jam. In their place, practical bulk dispensers have been thoughtfully introduced, promoting a more eco-conscious approach to consumption.

Furthermore, the resort has undertaken substantial strides in eliminating plastic waste. The shift away from plastic drinking straws stands as a testament to this commitment, replaced by ecologically friendly paper straws that exemplify a conscious choice for a cleaner environment.

Komandoo has embraced a complete cessation in procuring plastic garbage bags, a decisive move that resonates with the ethos of minimising plastic waste. Since 2014, the resort has taken a commendable step by sourcing bottled drinking water from the sister property Kuredu, reinforcing its dedication to responsible consumption and reducing plastic impact. This comprehensive approach underscores the resort's goals to usher in a more sustainable and ecologically balanced future

Komandoo Green Club

The Komandoo Green Club stands as a philanthropic venture led by a collective of dedicated Komandoo Champions, with endorsement from the management. Their shared mission revolves around the imperative of safeguarding and nurturing the environment, with a continued commitment to cleanliness and sustainability, enriching a vibrant ecosystem.

At the core of their strategic initiatives is the vision of transforming Komandoo into an exemplar of eco-friendliness. This aspiration takes shape through impactful efforts, including coral plantation initiatives, comprehensive awareness campaigns aimed at both esteemed guests and dedicated Champions regarding the indigenous flora of the Maldives, and purposeful initiatives such as reef cleaning programs.

The club radiates its influence beyond the resort's boundaries, launching far-reaching community outreach programs in the nearby local islands. With a shared ethos of spreading awareness, they engage in concerted efforts to enlighten and inspire. Moreover, the club orchestrates dynamic in-house activities that unite guests and Champions, enabling a collective sense of responsibility and appreciation for the environment that envelopes them.

4. SUSTAINING PARADISE

Future Strategies: While substantial progress has been made, the commitment to energy reduction remains unwavering. As the organisation moves forward, they are dedicated to implementing additional measures that align with the overarching goal.

Water Villa Integration: The organisation aims to extend the use of solar energy to heat water for water villas, thus enhancing energy-saving initiatives across all guest accommodations.

Continuous Innovation: The dedication to ongoing research and innovation will drive the development and implementation of new energy-saving technologies and practices, further optimising energy consumption.

Diligent Water Management: A focal point of concern lies in the meticulous management of water resources. Rigorous adjustments are made to flow rates, equipment calibration, and other parameters to optimise water usage. Notably, the Laundry division has been a major focus, with intensive Champion training to ensure adept equipment use and minimise water and energy outlays.

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info@komandoo.com . reservations@komandoo.com . www.komandoo.com

Komandooislandresort komandoo-maldives @KomandooResort @komandoomaldives