



Tuesday, 14 May 2024



Mövenpick BDMS Wellness Resort Bangkok

Moderator



Sean TOO

Sentinel Solution Thailand



Bruno LESPURQUE

LB Aresia



James MURPHY

ACCOR Group



André VAN DER MARCK

Travel Exclusive Asia Thailand

ORGANISED BY



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HOTEL PARTNER



Supporting Chambers





Welcome to SBF 2024

3,380M above sea level,
Tibet – April, 2024.

**Towards a Low Carbon
&
Zero Waste,
Circular Economy
A
Waste Solution Provider
Perspectives**



SUSTAINABLE DEVELOPMENT GOALS



Tibet – April, 2024



SENTINEL'S
เซนทิเนลส์



UN Tourism

UNITED NATIONS
WORLD TOURISM ORGANIZATION

INSTO – 11 Mandatory Areas Need Monitoring

- Tourism Seasonality
- Employment
- Destination Economic Benefits
- Energy Management
- **Water Management**
- **Wastewater (Sewage) Management**
- **Solid Waste Management**
- **Climate Action**
- Accessibility
- Local Satisfaction
- Governance



1. Water Management

At typically 2 Bar Pressure (29PSI) our faucet runs 14L of water a minute, 840L an hour, 20,160L a day, 604,800L a month & 7,257,600L a year...

Hotels Data



1%

Less than 3% of fresh water is available for human use & only is 1% clean water

1,000L

With a total usage of 300 – 600L of water per guest per night

45 – 60L

45 – 60L of water per day per guest through tap

Phi Phi Island drought could lead to closures

JAKKRIT WAEWKLAYHONG
CHAIYOT PUPATTANAPONG

Locals on Phi Phi Island have not had enough fresh water for their needs for over two months, leading to the consideration of temporary closures of some business operations should the dry spell continue.

The resort island in Krabi is facing another freshwater shortage after similar incidents during the tourist high season have occurred over the past several years.

Speaking to the *Bangkok Post*, Sanphet Sisawat, president of the Krabi Tourism Association, revealed that the private company that provides tap water for households, businesses, restaurants, hotels, and resorts on the island had stopped supplying freshwater since April 23 as the water reserve in its five-rai area was running out.

Some business operators on the island had been forced to buy raw water from downtown areas in Krabi to consume, he added.

A local source also revealed that even large hotels, resorts, and businesses on the islands were reportedly nearly out of water reserved in their own artesian wells. Some considered temporarily shutting their businesses down if the situation did not improve due to small downpours.

Mr Sanphet said that the situation had caused huge damage to the island tourism operators, as it had caused hotel and tour programme cancellations.

To compensate the operators, Mr Sanphet said that the Krabi provincial authority had requested that the Third Navy Region supply 100,000 litres of fresh water per ride from its base in Phuket.

He said the authority also considered employing private logistics ships to supply the locals with 200,000 litres of water per ride.

On Krabi's mainland side, a source said that many areas had suffered a similar drought situation as the resort island.

Despite the local authority's attempts to utilise raw water in reservoirs and a request for artificial rain, the source said that water levels in those reservoirs are now very low.

Krabi Provincial Waterworks Authority is reported to have come up with a three-part mitigation plan, the first stage of which would involve short-term rental of three mobile water production plants, said the source.

The water shortage is also affecting tourist attractions in Pattaya in Chon Buri and Koh Chang in Trat.

In Pattaya, Singhachai Inthapichai, director of the Provincial Waterworks Authority Division 1, said that the private company that provides tap water for the area had struggled to maintain supply despite a huge demand for consumable water due to the constant heat and a growing number of tourists.

This led to a tap water shortage not only in Pattaya but also in Si Racha district of Chon Buri, especially in areas on the mountain. According to a division survey, the water reserved in reservoirs in the areas is enough to supply locals until the end of June, he said.

The division had compensated for the problem by arranging water deliveries to people's front doors, Mr Singhachai added.

According to Mr Singhachai, the division intended to sign a contract with the Royal Irrigation Division to pump water in other areas for local consumption.

In Koh Chang, the Khlong Phlu waterfall in Moo Koh Chang National Park has been temporarily closed since May 3 due to the fall's lack of water.

The other falls in the park have been closed for at least a month due to this rare incident, said Niramit Songsaeng, head of the national park.



The water held in a five-rai area of a private company on Phi Phi Island is running out. The company stopped providing tap water for the island on April 23. KHON KRABI FACEBOOK PAGE

2. Wastewater (Sewage) Management



Biological Process is more sustainable



BEFORE

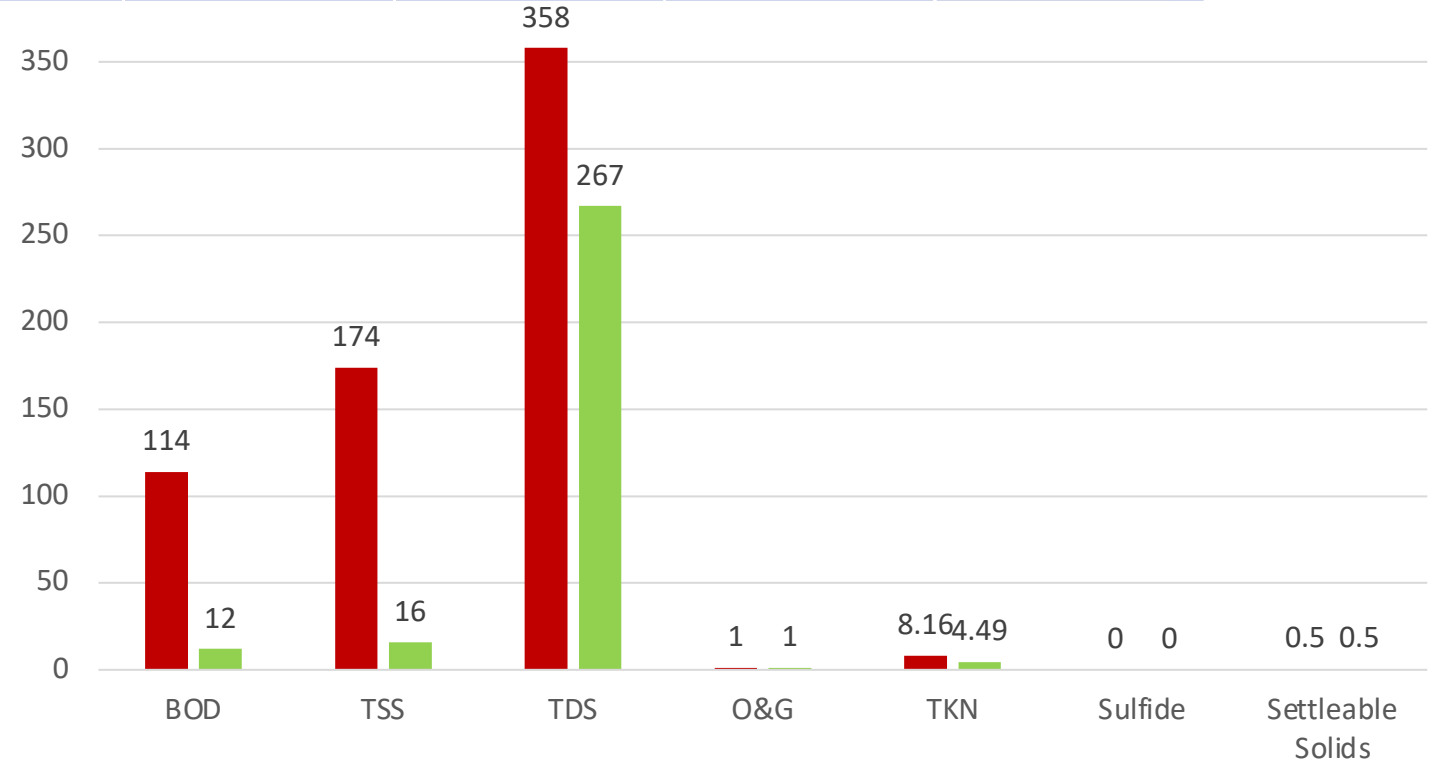


AFTER

WWTP Effluent Tank Comparison Before vs. After Treatment



	Standard	Before HYDRO Treatment	After HYDRO Treatment	%
BOD	20mg/l	114	12	-89.47%
TSS	50mg/l	174	16	-90.80%
TDS	500mg/l	358	267	-25.42%



WORLD NO. 1

สำหรับชีวิตที่ยั่งยืนจากครัว

酵素
グリーストラップ
* RESTAURANT * RESO * HOTEL *

EAT THE GREASE

AND SAVE THE EARTH

HOTEL FACTORY KITCHEN HOME COMPLEX

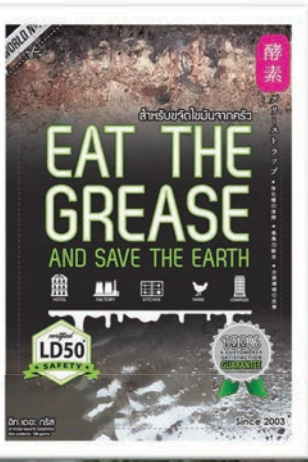
LD50 SAFETY

100% CUSTOMER SATISFACTION GUARANTEE

Since 2003

บริษัท เคนทีเนล





Grease Trap Maintenance make easy...



Benefits:

- ✓ No more manual desludging
- ✓ Odorless
- ✓ No toxic & flammable gases
- ✓ Cost savings



3. Solid Waste Management — Food Waste & Plastic Waste



A Food Waste Solution

Myth & Reality ?



Zero Waste Farm to Table Initiatives . . .



1. Waste



2. Composting



3. Fertilizers



4. Organic Produce

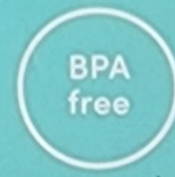
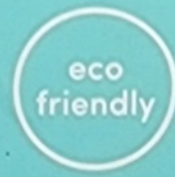
Customers visiting our Pilot Waste Compost — Hydroponic Farm in Bangkok



100% Compostable Starch Based Bioplastics

No Micro Plastic,
100% Degradable
100% Decomposed

Plastics
Waste



Kills 99.9% Germs

- Effective
- Effortless
- Eco-Friendly



Bio-Cleaner Series

HOOD & GRILL

ขจัดคราบไขมันเครื่องดูดควัน

It is aqueous plant-based degreaser removes organic and inorganic residues such as fats, oil & grease from the surface easily.



Caution:

This product is non-hazardous, non-toxic, non-reactive, non-flammable, safe for environment and readily biodegradable.

Ingredients:

- Plants-based active ingredient,
- Purified water,
- Chelating agent & fragrance.

**If in contact with eyes flush thoroughly with water.*

Kill Bacteria in **0** sec!!!
 Cockroach Repellency Rates **88.3** %!



Escherichia coli



Salmonella



Cockroach

Our Other Solutions...

Condensation Water generated by air conditioning units may produce slime & bio-film that can cause blockages in the condensation tray and drainage. As a result it may cause water overflow that could damage the ceilings and fixtures or may be even cause flooding in the room.

Legionella Bacteria, slime & biofilms green solution!

It's specifically formulated with carefully chosen environmental friendly groups of enzymes that can effectively decompose the slime and biofilms

'With our tablets the maintenance of condensation water tray and drainage becomes easy, hassle free and economical'



AIR COND DRAIN GUARD

ผลิตภัณฑ์สำหรับกำจัดเมือกในตาตแอร์

Usage Direction

- Easy to use
- Effective and Economical
- Non Chemical & non toxic
- Environmental Friendly
- Odor Reduction

*Tested against Legionella Bacteria elimination



- The tablet is designed with special paper host that will help keeping the tray and drainage clean for 3 to 6 months.

- For effective & easy maintenance, suggest to clean the air conditioning unit prior to applying the tablet in the tray. Replace the paper host with new tablet every 3 months for best results.

**For best result upon clearing of air cond cooling coil suggest to use ETG – Hygienix to spray onto the coil before placing the "Sentinel's Air Cond Drain Guard"*

Distributed by:

Sentinel Solution (Thailand) Co.,Ltd.

10/164 (2003C) The Trendy Building 20th Floor, Soi Sukhumvit 13 (Sang Chan), Sukhumvit Road, Klongtoei-Nuea, Wattana, Bangkok 10110



Tel. +66 2 258 0665



email: infobkk.sentinel@gmail.com



The Urinal Bowl Tablets

- ✔ Odor Elimination
- ✔ Prevent clogging
- ✔ Easy Maintenance



SENTINEL'S เซ็นทิเนลส์

URINAL X

ผลิตภัณฑ์ขจัดกลิ่น และ
ป้องกันการอุดตันของสุขภัณฑ์

This product contains viable microbes' cultures & concentrated water soluble odor neutralizer effective against odor specifically ammonia from urine in the urinal bowls. It also helps dissolve the calcium scales accumulated in the drain pipes from the bowl.



completely non-toxic



non-chemical



biodegradable

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10/164 (2003C) The Trendy Building 20th Floor, Soi Sukhumvit 13 (Sang Chan), Sukhumvit Road, Klongtoei-Nuea, Wattana, Bangkok 10110

4g
tablet

Tel. +66 2 258 0665 | email: infobkk.sentinel@gmail.com

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99%
Odor
Removal

- ✔ Eliminate Ammonia / Nitrate related odor
- ✔ Control grouting mold from growing in the toilet*
- ✔ Clean up bio film clogged in the piping
- ✔ Non-Toxic, Non-Chemical, 100% Biodegradable



SOS

SUPER
ODOR
STOPPER

THE TOILET ODOR SOLUTION

ผลิตภัณฑ์ขจัดกลิ่น
และทำความสะอาดสุขภัณฑ์

Usage Application:

Usage Rate

Dissolve 5 cc. of S.O.S. per 100 cc. of water (1: 20 ratio)

If the odor is mild

It can be used up to 1: 1 cc. per 1,000 cc. water (ratio 1: 1000)

If the odor is very strong

Reduce the amount of water or use directly

For General Odor Removal

Mix S.O.S in clean water ratio. 1:5-1:20 according to the intensity of the smell Spray to the source of the odor such as garbage trucks, septic tanks, grease traps, toilets, garbage heaps, trucks, tour buses, etc. S.O.S will catch the odor in both gaseous, liquid and solid states, creating the odor causing substance to change into odorless salt Makes the smell disappear completely and almost as soon as S.O.S is sprayed.

*S.O.S is non-corrosive and non-toxic so it does not cause damage to tools, equipment or buildings and does not remain in the production process in the food industry.

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Some of our valued users...



& many others too...



A R E S I A

HOSPITALITY | DEVELOPMENT | MANAGEMENT

WHAT DO WE DO?

We are the new generation of hospitality experts, creator of experiences, specialized in Eco-friendly Glamping & Eco-lodges



- LB Aresia specializes in crafting and managing unique hospitality assets, including **Glamping** sites, eco-lodges, creative houses, and tree houses, with a strong emphasis on **Sustainability**.
- Leveraging our extensive expertise, we handle projects from inception to grand opening, and continue with ongoing management.
- Whether you are starting out or looking to elevate your existing project, LB Aresia offers comprehensive 'one-stop' services as well as **à la carte** support tailored to meet your specific needs.

Our services

Content & timeline reference of full package



Our Team



Founder & Associate
Bruno Lespurque

- Over 15 years experience in the hospitality industry, started as an employee to General Manager in the luxury brand.
- Self-made with in-depth knowledge of every step with F&B and purchasing background.
- Executive master's degree in Advanced Management, from HEC Liège.

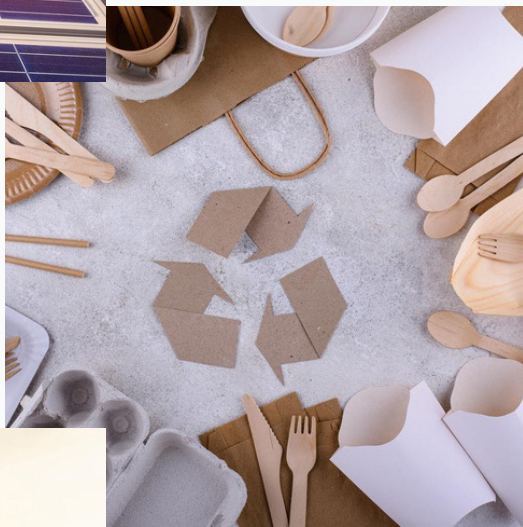


Co-Founder & Associate
Ugo Damiani

- Senior hospitality Project Management professional with 7+ years of experience and 10 years as a GM with relevant knowledge of scaling teams, implementing project & operation from signing to opening.
- Led 40+ projects, opened 9 resorts and managed 8 international resorts for one of the biggest hospitality international brand with teams as large as 500 and several million euros revenue across APAC region.



Key Eco-Friendly Practices



Sustainable Design & Construction:

Light weight asset integrated to nature. Minimal foundation required, >80% demountable



Energy :

Use of efficient systems. Prioritise renewable energy sources.



Water Sensitive Design :

minimize water pollution from structures and operation



Support local economy & fair trade :

prioritise local suppliers without discrimination to factors such as gender. Support local associations



Single Use Plastic Free :

no single use plastic from supplier to guest service



Sustainability Reporting & monitoring :

Measuring and monitoring of carbon emissions. Sustainability plan to improve performance over time

**Key eco-friendly practices supports Green Certification.
Pursuit of third party certification is highly recommended**



Expert Sustainability Advisor Cyrene Lee

- Over 12 years of experience in Sustainability
- Have worked with both private and public sectors including a global resort chain for their sustainability strategies and certifications; and an international company with 54 offices across the Middle East, Africa, Asia, and Europe for their ESG reporting
- Background in Environmental engineering and Computer Science



Sustainable Tourism

“tourism that takes full account of its current and future economic, social and environmental impacts, addressing the needs of visitors, the industry, the environment and host communities”

(UN Environment Program and UN World Tourism Organization)

Aspiration to acknowledge all impacts of tourism, both positive and negative and aims to **Minimize** the Negative impacts and **Maximize** the Positive ones.



Key Eco-Friendly Practices

1. Sustainable design & construction

- Designed to integrate into the local landscape with the current flora or regenerate if not green field
- Minimise need for foundation work
- Structures are demountable and reusable at a minimum of 80%

2. Energy

- Passive design to reduce cooling needs
- Use of efficient systems
- Prioritise renewable energy sources – onsite generation; partnership/sponsorship of solar farms and/or purchasing of green power when unable to produce sufficient onsite



3. Water sensitive design (minimise water pollution)

- low percentage of impermeable surfaces, preservation of local flora
- all wastewater from the site to be treated
- All cleaning products used are certified eco-friendly (no harsh chemicals or ingredients that might pollute the land or water)





4. Support local economy & fair trade

- Source materials and labour locally whenever possible
- Use of certified sustainable materials
- Work with suppliers to continually improve the sustainability performance of their operations and products



5. Zero single-use plastic

- Eliminate use single-use plastic in daily operations
- Work with suppliers to eliminate their use of single-use plastics such as in packaging




6. Sustainability indicator measurement and reporting

- Measuring and monitoring carbon emissions throughout life of project from construction to end-of-life
- Sustainability strategy to improve performance overtime

4 Pillars of Sustainable Tourism

based on Global Sustainable Tourism Council (GSTC) criteria

		design	construction	operation	end of life
Sustainable management	Sustainable Use of Resources		X		
	Safety Management		X	X	X
	Sustainable Chemicals and Environmental Management		X	X	X
	Compliance (Social & Materials) Management	X	X	X	X
	Sustainability Reporting & Management Tools	X	X	X	X
Socioeconomic impacts	Economic benefits and impacts	X	X	X	X
	Cross-cultural exchange	X		X	
	Creating employment opportunity	X	X	X	X
	Conservation of historic sites and improvement of infrastructures	X	X	X	X
Cultural impacts	Cultural clashes	X		X	
	Cultural commodification			X	
	Loss of authenticity of the location's original appeal	X			X
	Exploitation of local communities	X	X	X	X
Environmental impacts	Environmental change, affecting natural spaces, wildlife habitats, and landscapes	X	X	X	
	Overuse of natural resources		X	X	
	Deforestation and loss of natural habitats	X	X		
	Carbon emissions (whole of life)	X	X	X	X

 Glamping a greater positive impact than traditional hotels/resorts

Why Glamping is a more Sustainable option

Glamping Positive Eco-friendly point

Glamping is always integrated into nature with a maximum of green area, minimising negative impacts on the land and water, and in the case of brown fields, regenerating it.

Light weight asset that can be demounted at a minimum of 80% at the end-of-life, allowing for quick rehabilitation of the land to its original state.

Guest wellness and biophilic experience is maximised as they are immersed directly in nature, stimulating all their 5 senses

Naturally attracts clients that are more environmentally aware and sensitive to sustainability practice and are in line with eco tourism practices

Much lower embodied carbon than traditional hotel and resorts

Traditional Hotel & Resort Negative Impacts

Hard structures have a significant impact on the land due to the need to clear a large percentage of the area, destroying natural Ecosystems

Hard structures drastically change the landscape and requires a long time to rehabilitate the land at the end of life

Traditional hotels and resorts often cater to mass tourism that are not inline with eco tourism practices and not sustainable for the area

Business Model of Glamping vs Traditional Hotel

Glamping Business (Market Growth/ ROI / Payback period)

Global Glamping Market size was valued at USD 2.72 billion in 2022 and is poised to grow from USD 3 billion in 2023 to USD 6.52 billion by 2031, growing at a CAGR of 10.20% during the forecast period (2024-2031)

ROI for Glamping :

20-25% which can go up to 40% if you own the land

The Payback period :

Glamping : 5 years



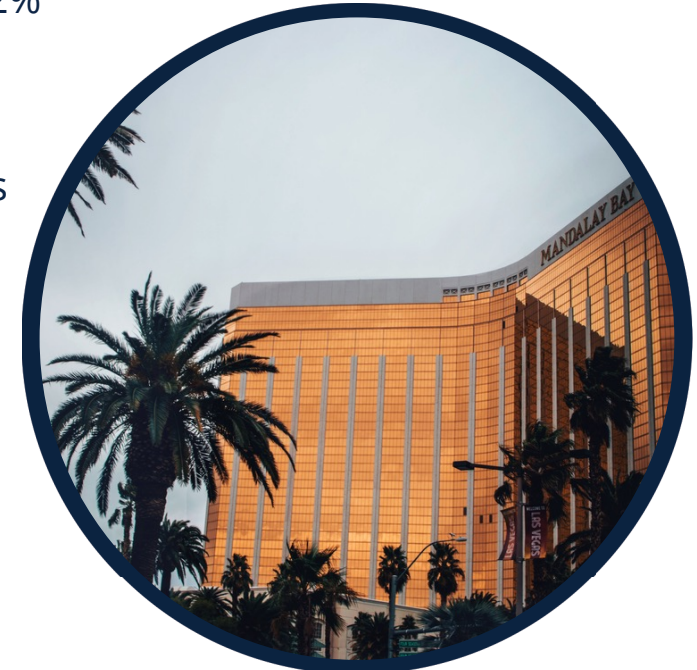
Hotel Business(Market Growth/ ROI / Payback period)

The global hotels market was projected to attain US\$ 628.4 billion in 2021. It is anticipated to garner an 8.1% CAGR from 2022 to 2031

ROI for real estate : 6-12%

The Payback period :

Traditional hotel/resorts : 7-12 Years





LB
AREZIA

PROJECTS





LB Aresia was a part of the consulting, branding, web designing, marketing, recruitment, design, purchasing of the furniture, IT setup, online presence & menu setup.

The pre-opening & opening phase was successfully executed by team LB Aresia.

For ref: The estimated revenue is approx. 36 million baht per year
Contact us for more details



The Phana Luxury Tented Resort is our upcoming project consisting 32 units .

A unique and glamorous glamping experience combined with Thai Southern-style interior decor that seamlessly blends traditional aesthetics with modern glamping opulence.





— THE —
KORA

BEACH RESORT

LB
AREZIA

LB Aresia collaborates with The KORA Beach Resort as their consulting team. KORA beach resort's newest project is a beach front 5-star resort with more than 500 rooms located on the beautiful Layan beach.

BLUE TREE PHUKET

We are proud to be associated with Blue Tree Phuket as their Consulting team.

Blue Tree is one of the prestigious names in the industry and one of the most famous lifestyle destination. It is proud to be one of the Best places in Phuket for the complete family entertainment.

Hosting Thailand's largest Crystal Lagoon which includes Thailand's longest Superfly, a water jump, covered open-air amphitheater arena, a lifestyle shopping village, and a huge natural Forest Park, Blue Tree Phuket truly is a recreational park and entertainment hub for all ages.





B-Libre Phang Nga

This project is designed to capture the beauty of the jungle, offering an awe-inspiring view of both the forest and the sea.

The Phang Nga is a Trendy Lifestyle Glamping project that comprises of 91 units.





LB LB
ARESIA ARESIA

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www.lbaresia.com

Sustainability
MEA APAC
2024



SUSTAINABILITY STRATEGIC FRAMEWORK

Accor's Sustainability strategy responds to 3 key challenges...



Contribute to a Net-Zero world
78% of Accor emissions come from energy

22% of Accor emissions come from value chain and procurement (incl. F&B)



Contribute to a Nature-Positive world
50% of Accor water footprint come from F&B

\$600 bn: annual value of tourists visiting protected areas across the globe

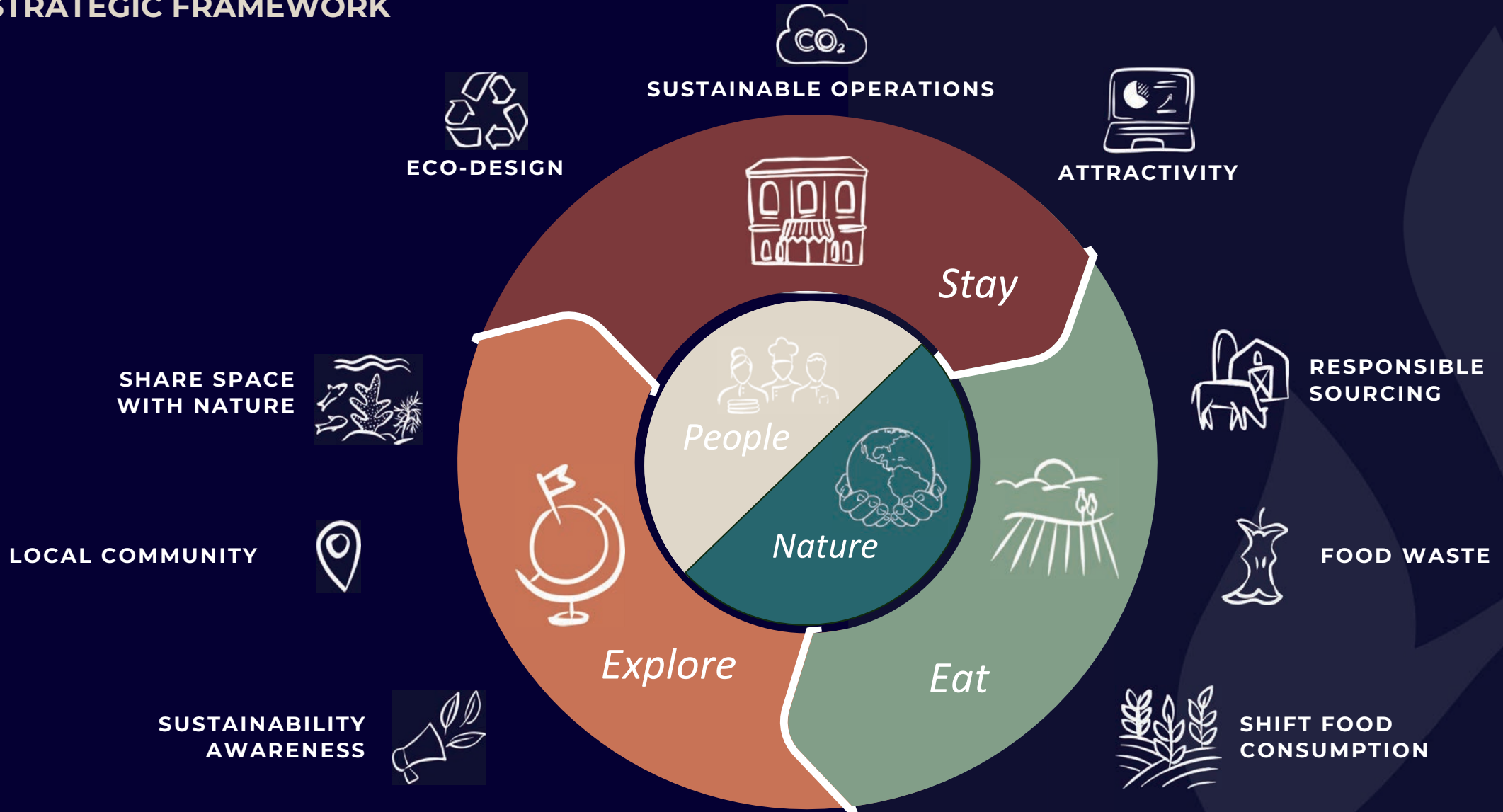


Promote Social Elevator to put people at the heart

+1 jobs supported by Accor worldwide
M



ACCOR'S SUSTAINABILITY STRATEGIC FRAMEWORK



ACCOR SUSTAINABILITY RESPECTING THE IMPACT WE HAVE



STAY Hotel Operations

- Reducing Carbon emissions
- Energy reduction
- Water conservation
- Single Use Plastic removal



EAT Sustainable Food


- Dedicated approach to sustainable food
- Vegetarian options
- Food waste management
- Local procurement



EXPLORE Guest Experience

- Eco certification process
- Sustainability messaging
- Local partnerships – Experiences



 Tuesday, 14 May 2024

 Mövenpick BDMS Wellness Resort Bangkok

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