



Because Sustainability Matters



SGX-DBS ESG
Investment
Corporate Day

5 July 2022

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Sustainability Is At The Core Of Everything We Do

We will grow in a **responsible** manner, deliver **long term** economic value, and contribute to the **environmental** and **social well-being** of our communities.

Core Values:

Winning Mindset

Enterprising

Respect

Integrity

We create great customer value and experiences through high-quality products and services.



For our **CUSTOMERS**

We deliver sustainable shareholder returns and build a strong global network of capital partners.



For our **INVESTORS**

We develop high-performing people and teams through rewarding opportunities.



For our **PEOPLE**

COMMITMENT TO OUR STAKEHOLDERS

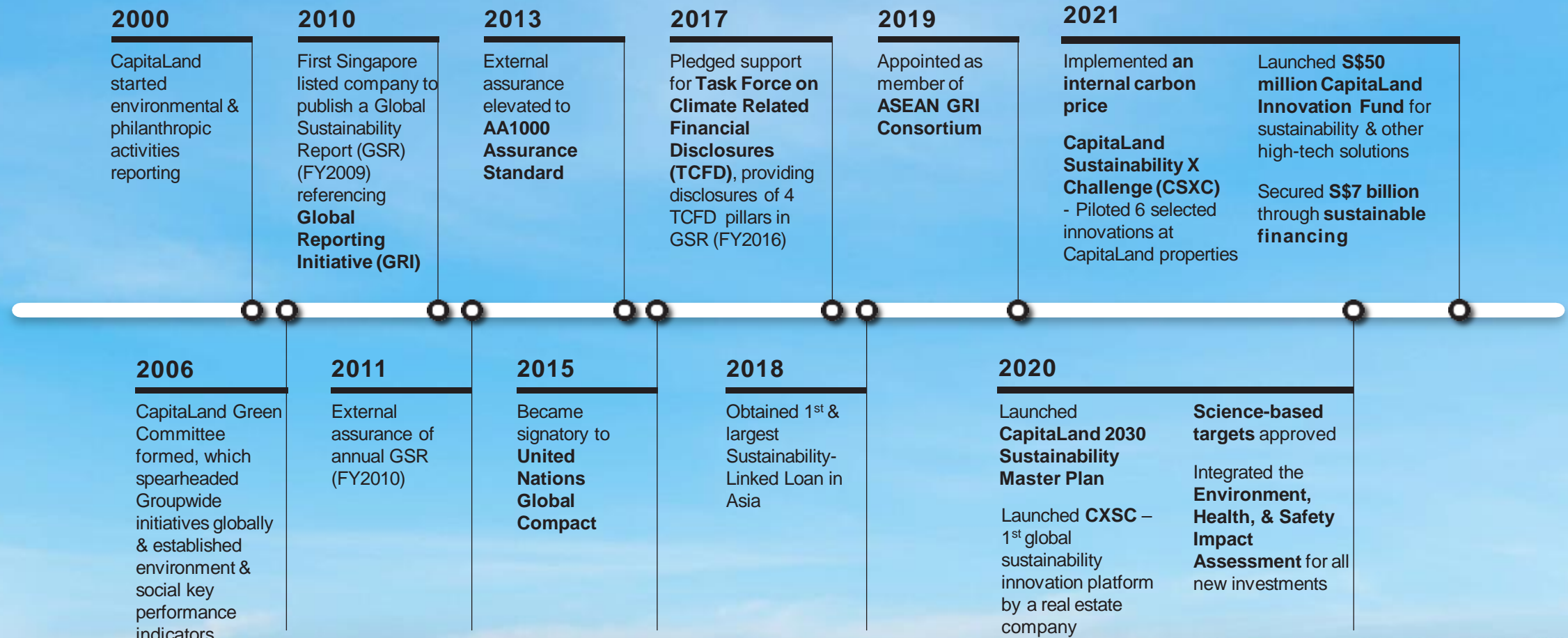
We care for and contribute to the economic, environmental and social development of communities.



For our **COMMUNITIES**

A Sustainability First Mover

20 years from the formation of CapitaLand and counting...



Global Accolades

International Standards & Guidelines

- ✓ Annual CLI Global Sustainability Report (GSR) adopts Global Reporting Initiative (**GRI**) reporting framework & prepared in accordance with GRI Standards: Core option
- ✓ Applies Guiding Principles of International Integrated Reporting Framework, ISO 26000:2010 Guidance on Social Responsibility, & references United Nations (**UN**) Sustainable Development Goals (**SDGs**)
- ✓ References Sustainability Accounting Standards Board (**SASB**) real estate sector-specific standards
- ✓ Signatory to **UN Global Compact** & committed to 10 Principles
- ✓ Participates in annual **CDP** (Carbon Disclosure Project) Climate Change Programme & its carbon footprint is calculated in accordance with the Greenhouse Gas (**GHG**) Protocol¹ (operational control approach)
- ✓ Aligned climate-related disclosures with Task Force on Climate-related Financial Disclosures (**TCFD**) in four key areas of governance, strategy, risk management, & metric & targets.

1. Developed by World Resources Institute & World Business Council for Sustainable Development, which sets global standard on how to measure, manage & report greenhouse gas emissions

Member of
Dow Jones Sustainability Indices
Powered by the S&P Global CSA

- Dow Jones Sustainability World Index for 10th consecutive year
- Dow Jones Sustainability APAC Index for 13th consecutive year
- 1st and longest standing company in Singapore to be listed



- MSCI World ESG Leaders Index for 8th consecutive year
- MSCI World Socially Responsible Investment Index for 8th consecutive year

Sustainability Yearbook
Member 2022

S&P Global

- Constituent for 13th year
- 1st and longest standing company in Singapore to be listed

GLOBAL 100
by Corporate Knights

- Constituent for 10th year



- “Global Sector Leader for Diversified - Listed” award, 1st real estate company in Singapore to win four years



- Constituent for 8th consecutive year

Carbon Clean 200™
by Corporate Knights & As You Sow

- Constituent for 4th year

CapitaLand's 2030 Sustainability Master Plan Framework is our strategic blueprint to guide our ESG efforts

ENVIRONMENT



Low Carbon Transition
targets validated by SBTi



Water Conservation & Resilience



Waste Management & Circular Economy



Green Certification

SOCIAL



Healthy & Safe Buildings



Robust Supply Chain Mgt



Proactive Customer Relationship Management



Dynamic Human Capital

MARKET LEADERSHIP



Sustainable Operational Excellence



Sustainability Innovation & Technology



Sustainable Finance

RETURN ON SUSTAINABILITY

A multi-stakeholder measure of value generated from investing in sustainability

Integrating Sustainability in CLI's Real Estate Life Cycle

Embedding targets for low carbon transition, waste management & circular economy, water conservation & resilience, accessible, healthy & safe building & supply chain management throughout the real estate life cycle



#1 Investment

- Align with 2030 Sustainability Master Plan (SMP)
- Conduct Environment, Health & Safety Impact Assessment (EHSIA) including an internal carbon price
- Quantify proprietary Return on Sustainability (ROS)

#2 Design, Procurement, Construction and Redevelopment

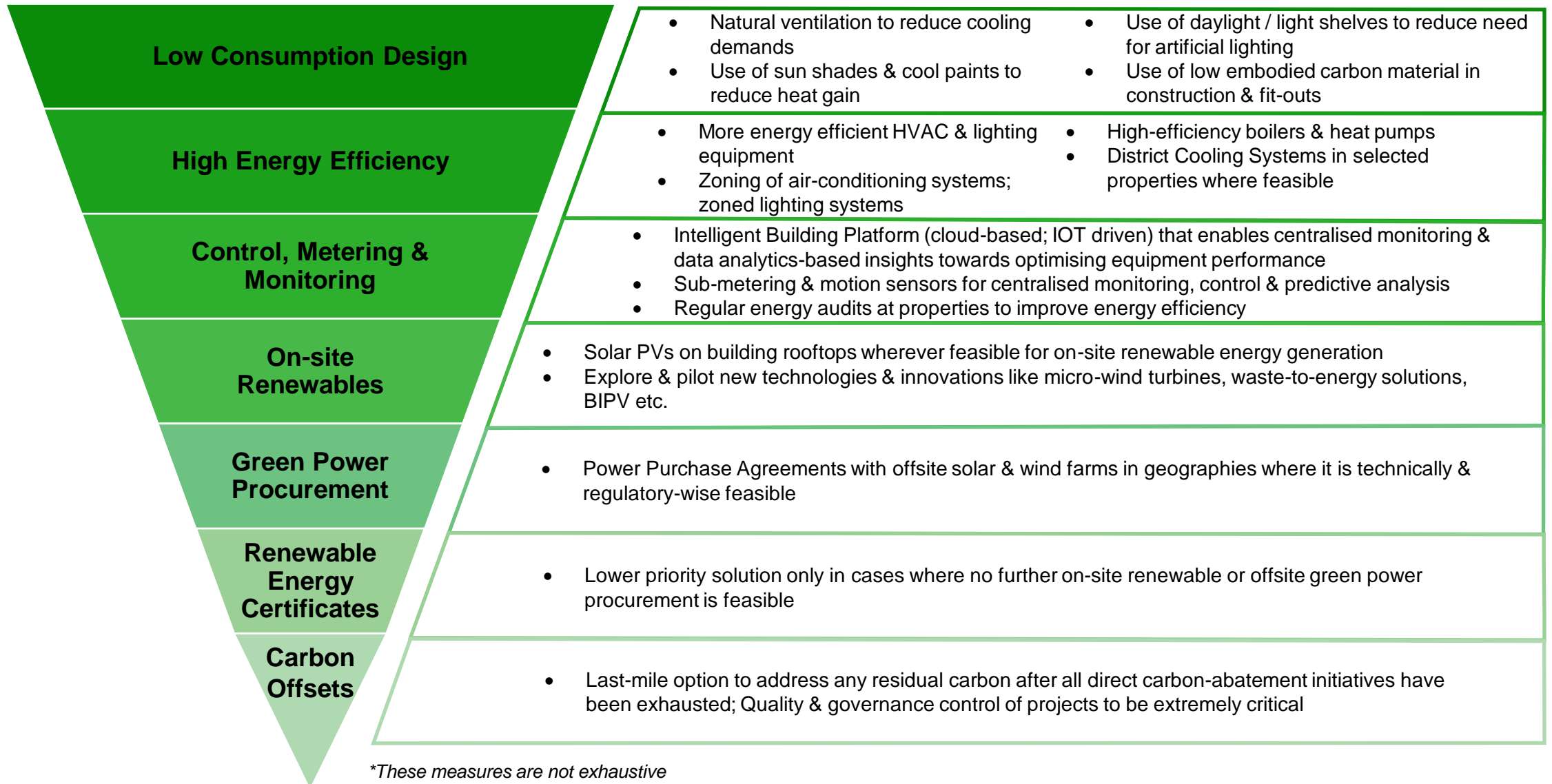
- Design in accordance with CapitaLand Sustainable Building Guidelines
- Testbed innovations
- Monitor & report performance

#3 Operations

- Align asset planning with 2030 SMP
- Sustainable operational excellence
- Innovate & collaborate
- Track & evaluate performance through Sustainability Implementation Committee

Training Of Staff
Stakeholder & Community Engagement

Carbon Mitigation Hierarchy



Strengthening innovation and collaboration



Sustainable technology and innovations are key to our decarbonisation journey. But smart ideas can come from anywhere. So, we invited startups around the world to join our global fight against climate change.

Launched in 2020, CapitaLand Sustainability X Challenge (CSXC) is the first global sustainability- focused innovation challenge in the built environment by a Singapore real estate company. Through the challenge, CapitaLand aims to accelerate its progress to meet its 2030 Sustainability Master Plan targets, with decarbonisation and circularity as key pillars.

Inaugural CSXC 2021

> 270 entries
from > 25 countries

Piloted
6 selected innovations

across CapitaLand properties in Singapore and USA

Raffles City The Bund, Shanghai, China

MOST INNOVATIVE AWARD Climatec Corp (Singapore)

- Pilot at CapitaGreen, Singapore (Office Building)
- Unique process to treat cooling tower water without using chemicals



To test
 ↓ ~3%
energy consumption
 ↓ ~80%
blowdown water

“ I am very impressed with the CapitaLand team for their dedication and support in mentoring and guiding us from the moment we were identified as a finalist to the time we rolled out our pilot. CapitaLand is a pioneer for sustainability in the industry and we hope to partner CapitaLand on its sustainability journey. ”

Joe Heng, Managing Director of Climatec Corp

HIGH IMPACT AWARD INOVUES Inc (USA)

- Pilot at Creekside 5, Portland, USA (Business Park)
- Insulating glass retrofit technology reduces heat gain in building during summer & heat loss during winter



To test
 ↓ ~10%
of energy consumption
(for cooling & heating buildings)

“ The most eye-opening and interesting part of our CSXC journey was learning more about the commercial real estate market in Asia and understanding how beneficial our solution can be to buildings that are in different climates zones and have different construction vintages. ”

Anas Al Kassas, Founder & CEO of INOVUES, INC.

CONTINEWM® (Japan)

- Piloted at LogisTech, Singapore (Logistics)
- Patented ceramic net emitting infrared
- Exploring scaling up across properties



Achieved
 ↓ up to 50%
AHU energy consumption
 ↓ up to 16%
Cooling load

Aeroseal (USA)



- Pilot at Six Battery Road, Singapore (Office Building)
- Air duct sealing technology using airborne adhesive particles injected into HVAC ducts to seal leaks

To test
 ↓ ~30%
AHU energy consumption

LumenAire (Singapore)



- Pilot at Citadines Rochor (Lodging) & Raffles City (Integrated Development), Singapore
- Indoor air disinfection solution

To test
 ↓ >90%
virus survivability

New Generation Bio Water Saving Stick (Austria)



- Pilot at Aperia, Singapore (Integrated Development)
- Irrigation via transfer of humidity from air to ground

To test
 >20%
irrigation water savings

2021 Performance Highlights

Net Zero by 2050

Global 2030 target validated by Science Based Targets initiative (SBTi) for 1.5°C scenario



Energy and Water intensity reduction of

43% and 52%

(per m² from base year 2008) respectively



54%

carbon emissions intensity reduction since 2008



Cumulative utilities cost avoidance of

\$320 million

since 2008



48%

of CLIs global portfolio achieved green building certification



Implemented internal carbon price

for new investments and acquisitions



85

nationalities are part of CapitalLand's global workforce



40%

of senior management were

women



>410,000

training hours



>88%

of staff attended a new e-learning course on fraud, bribery and corruption



Supply Chain Code of Conduct

100%

contractors & vendors committed to abide



\$7 billion



raised in sustainable finance by CLI & its listed REITs & business trusts

\$50 million



CapitalLand Innovation Fund to support the testbedding of sustainability and other high-tech innovations

Inaugural CapitalLand Sustainability X Challenge received

>270

innovations from over

>25

countries



2021 Key Environmental Performance

	2030 Target		2021 Performance	2020 Performance
Low-carbon Transition	Reduce carbon emissions intensity by 78% ¹	○	54% reduction in carbon emissions intensity ¹	54%
	Reduce energy consumption intensity by 35% ¹	●	43% reduction in energy consumption intensity ¹	44%
	35% of total electricity consumption from renewable sources	○	4.3%	3.2%
	100% of existing buildings ² to achieve a minimum green rating	○	48% of CLI's global portfolio (by area) has achieved a green rating	52%
Water Conservation & Resilience	Reduce water consumption intensity by 45% ¹	●	52% reduction in water consumption intensity ¹	53%
Waste Management & Circular Economy	Achieve 25% recycling rate in day-to-day operations	○	8.1%	5.2%
Annual Target				
Sustainable Operational Excellence	ISO 14001 certification for its Environmental Management System (EMS)	●	Retained ISO 14001 certification in 15 countries	
	Manage risks of environmental impact		EMS is externally audited annually, providing assurance to top management & external investors on CLI's compliance & alignment to best practices	

1 Using 2008 as baseline

2 Refers to CLI's owned & managed properties & includes all its real estate classes such as retail, office, lodging, business parks, industrial, & logistics

Notes:

- Achieved significant reduction in energy, water & carbon emissions intensities in 2021 & 2020 as compared to baseline year of 2008 likely due to the significant drop in activities at its properties amid COVID-19.
- Carbon intensity & energy intensity performance figures for 2020 have been updated to include district heating & district cooling energy consumption

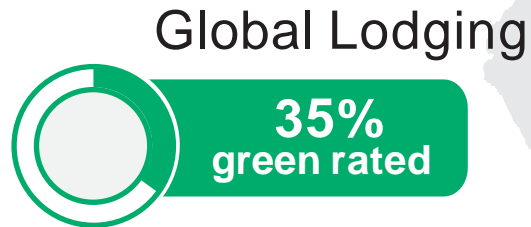
○ In progress towards meeting 2030 targets ● Achieved/Exceeded Targets

Green Building Rating

CLI targets to green all its existing properties by 2030 with each property achieving a minimum certification level by a green rating system administered by a national government ministry/agency or a World Green Building Council. In 2021, 48% of CLI global portfolio achieved a green rating*.

48% of global portfolio achieved green rating

38% LEED Gold & above or equivalent



72% green rated

18 business park buildings
LEED Platinum or Indian Green Building Council Platinum

India

China

34% green rated

Singapore

67% green rated

20 buildings Building & Construction Authority (BCA) Green Mark Platinum (including 1 building BCA Green Mark Super Low Energy)

*This refers to CLI's owned and managed properties by m²

On-site and Other Renewable Energy Solutions

Europe

- Ascott's serviced residences in UK and Belgium source 100% of their electricity from renewable energy

- Ascott's serviced residences source 100% of their electricity from an off-site wind farm



India

- On-site generated & purchased solar energy accounted for ~50% of the total electricity consumption by business parks
- Rooftop solar panels totalling 3.1 MW in capacity installed across seven business parks

Carbon avoidance:
19,300 tonnes



Singapore

- >46,000m² of rooftop solar panels generating ~11,460 MWh of energy on 11 properties*

Carbon avoidance:
4,450 tonnes



- CLI's corporate office has been powered by 100% renewable energy since 2020

Carbon avoidance:
406 tonnes



* Installation of rooftop solar panels on seven of these properties are in a partnership with Sembcorp Industries

Case Study #1

Green Opportunities from Retrofitting Existing Buildings: 21 Collyer Quay, Singapore *BCA's Green Mark Platinum (April 2020)*

Asset Enhancement Initiative (AEI) included

- refurbishment of essential equipment
- upgrading of common areas

1

Improved energy & water performance through installation of an energy-efficient chiller plant with an adaptive control algorithm

2

Efficient lighting system with motion sensor & water-efficient fittings

3

New features such as monitoring systems to improve indoor air quality (on each floor) & to achieve a more efficient energy monitoring plan with submetering systems



712 MWh/yr
of energy savings



S\$107,000
Cost avoidance annually

Case Study #2

Improving Operating Efficiency through Continual Enhancement Initiatives: International Tech Park Bangalore* and CyberPearl Hyderabad, India*

LEED Platinum or Indian Green Building Council (IGBC) Platinum

1

Improved energy efficiency from upgrading to more efficient air-conditioning equipment & lighting

2

Implementation of an IoT platform in ITPB to optimise HVAC equipment performance through advanced data analytics

3

Improved water efficiency through adoption of low flow water fixtures in restrooms; Discoverer at ITPB also test-bedded non-chemical and non-intrusive radio frequency based solution for chiller condenser water system descaling

4

Tenant's health & safety enhanced through Ultraviolet Germicidal Irradiation (UVGI) lamps installed in Air Handling Units (AHUs) of the buildings

*The buildings include Discoverer, Creator & Innovator in International Tech Park Bangalore (ITPB); & Block I & Block II in CyberPearl Hyderabad.

Case Study #3

Collaboration in Developing Green Building Certification: Somerset Kuala Lumpur, Malaysia

Excellence in Design for Greater Efficiencies (EDGE) Certification



\$\$65,000

Cost avoidance annually

Further optimise operational efficiency & reduce energy consumption by retrofitting centralised air-conditioning plant chilled water pumps with variable speed drives



26%

more energy-efficient

Optimised operational efficiency and achieved energy savings of 26% (698 MWh/year) with the installation of energy-saving light bulbs, and retrofitting centralised air-conditioning plant's chilled water pumps with variable speed drives



28%

more water-efficient

Reduced water consumption by 28% (3,300 m³/year) by adopting water-efficient fixtures, such as low-flow faucets & dual flush closets in guest rooms & water-efficient kitchen faucets

Case Study #4

Green commercial buildings: CapitaGreen, Singapore

BCA Green Mark Platinum

1

Extensive greenery found throughout façade perimeter helping to diffuse strong sunlight, providing comfortable indoor working environment

2

Double Skin Façade helps reduce solar heat gain and diffuse strong sunlight penetrating the building. Expected to **cut heat gain by up to 26%** which translates to energy savings

3

Innovative central circulatory system known as **Cool Void** channels **higher-altitude, 2° cooler air** to air handling units & **reduces energy** to cool the building, resulting in energy cost savings

4

Rainwater Harvesting system reduces stormwater drainage & auto-drip irrigation system uses rainwater to water greenery

Community & sustainability in a retail mall: Funan, Singapore

1

1st retail mall to deploy a low global warming potential refrigerant chilled-water system

2

Low Energy & Energy Efficient Design

- Energy efficient façade designed to minimise solar heat transmission
- LED light fittings designed with intelligent scene control system

3

Renewable Energy

- Tenant's solar panels to power urban farm

4

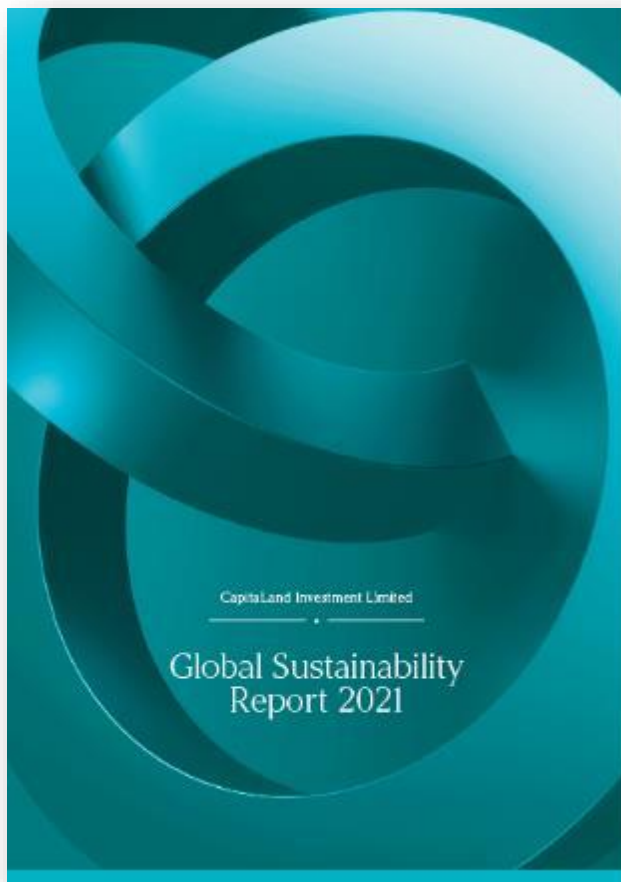
Extensive Greenery & Rainwater Harvesting

- largest area for *urban agriculture* in the city with 18,000-sq-ft food garden & 5,000-sq-ft urban farm

5

Singapore's first commercial building allowing **cycling through the building with *indoor cycling path*** taking cyclists straight to Bicycle Hub, where end-of-trip amenities are provided





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Thank you