



(Left image) Touring the “Change the Present, Save the Future” exhibition at the CDL Green Gallery. (Left to right) NParks Chief Executive Officer, Mr Kenneth Er; Minister for Sustainability and the Environment of Singapore Ms Grace Fu; CDL Group Chief Executive Officer, Mr Sherman Kwek; and CDL Chief Sustainability Officer Ms Esther An. (Right image, from left to right) Ice-skating duo Samara and Seraphina Yeo, aged 9 and 7, calling for action in the Youth4Climate Concert 2021.

A “code red for humanity”, the recent IPCC 6th Assessment Report warns of unprecedented and extreme weather changes and the threat of a key temperature limit being broken in just over a decade. Deep cuts in greenhouse gas emissions must be made in the coming decades to reach net-zero emissions by around 2050 and negative CO₂ emissions after that. Closer to home, the Singapore Exchange RegCo announced in August 2021 that climate-related disclosures guided by the recommendations of the Task Force on Climate-related Financial Disclosures (TCFD) would be progressively made mandatory in the coming years. These developments underpin the increasing commitment to combat climate change at global and national levels.

There is still ample room for the real estate sector to promote ecosystem collaboration with regulators and partners to drive change towards a more sustainable future. The International Built Environment Week (IBEW) took place from 7-10 September, with this year’s theme being “Re-imagining the Future”. Minister for National Development and Minister-in-charge of Social Services Integration Desmond Lee, in his keynote speech, said that the Government would continually review and raise the standards for sustainability, with one initiative being refreshing the Green Mark scheme to raise standards in energy performance, and place greater emphasis on other important sustainability outcomes, including enhancing a building’s resilience to climate change. In this regard, CDL has taken efforts to adopt Super Low Energy (SLE) standards in our new residential developments, contributing to achieving the national target for 80% of new developments to be SLE buildings from 2030 onwards. In fact, in September this year, CDL’s 80 Anson Road was the first private residential development to be awarded the Building and Construction Authority Green Mark Platinum Super Low Energy certification.

PERFORMANCE

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SINGAPORE SUSTAINABILITY ACADEMY

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As the demand for green financing grows in the acceleration towards climate action, companies with strong ESG performance will likely gain easier access to ESG investment funds, and sustainable finance. Since issuing our first green bond in 2017, we have amassed and mobilised more than S\$3 billion of sustainable finance in various green loans, a green revolving credit facility, and a sustainability-linked loan. We are also the first Singapore entity to achieve a discount on a sustainability-linked loan through the adoption of an innovative project that supports the United Nations Sustainable Development Goals (SDGs) on a large-scale basis.

Other accomplishments from this quarter include our UN PRI membership, our Workplace Health & Safety Developer Award, our Human Resources Director Employer of Choice award, recognition on the 2021 GlobeScan/SustainAbility Leaders Survey, our “Change the Present, Save the Future” Climate Action Exhibition opening, and Youth4Climate 2021 Concert.

CDL is well placed to navigate the ever-evolving sustainability advancements globally and locally. With more governments and regulators working together to drive policy change at national levels, we, as developers, also have a critical part to play. To decarbonise the built environment, we need to design, construct, and manage spaces with low carbon as the priority. Building users need to reset the way we live, work and play. As a developer and asset owner, CDL will further advance our green building strategy and application of technology and innovation towards achieving net zero operational carbon by 2030. Urgent and collective action along the value chain is key to winning the race to zero.

Esther An

Editor

CDL Chief Sustainability Officer

QUARTERLY UPDATE OF SUSTAINABILITY TARGETS & PROGRESS

PERFORMANCE

CDL FUTURE VALUE 2030 GOALS, TARGETS AND PROGRESS

Progress Tracking


















Meeting interim targets, maintain performance towards meeting 2030 targets

Falling short of interim target for one year, review current practices

Falling short of interim target for more than two years, review and revise targets (if necessary)

FUTURE VALUE 2030 GOALS	2030 TARGETS	INTERIM 2021 ANNUAL TARGETS	FY2021 Q3 PERFORMANCE
Goal 1: Building Sustainable Cities and Communities 	Achieve Green Mark certification for 90% of CDL owned and/or managed buildings ¹	≥ 85%	○○● 85% achieved
	Maintain 100% retail and office tenant participation in CDL Green Lease Partnership Programme	Achieve 100%	○○● 100% maintained
	Maintain high level of commitment to adopt innovations and technology of green buildings	Average of two innovation and technology applications per year	Data will be reported at the end of the year

	Maintain a high level of sustainability engagements and advocacy activities	Average of ≥ 36 engagements and advocacy initiatives and activities per quarter Target revised due to COVID-19	 Average of 73 engagement and advocacy initiatives and activities per quarter
Goal 2: Reducing Environmental Impact    	Achieve science-based target of reducing carbon emissions intensity by 59% from 2007 levels ²	42% reduction	 38% reduction ³
	Asset Management (AM) - Office & Industrial²:		
	Reduce energy use intensity by 45% from 2007 levels	Energy use intensity: 37% reduction	 Energy use intensity: 41% reduction
	Reduce water use intensity by 50% from 2007 levels ⁴	Water use intensity: 43.5% reduction	 Water use intensity: 57% reduction
	Reduce waste intensity by 16% from 2016 levels ^{4,5}	Waste intensity: 14% reduction	 Waste intensity: 17% reduction
	Asset Management (AM)-Retail²:		
	Reduce energy use intensity by 18% from 2010 levels	Energy use intensity: 18% reduction	 Energy use intensity: 30% reduction
	Reduce water use intensity by 9% from 2010 levels	Water use intensity: 8% reduction	 Water use intensity: 41% reduction
	Reduce waste intensity by 12% from 2016 levels ⁵	Waste intensity: 10.7% reduction	 Waste intensity: 19% reduction ⁶
	Corporate Office:		
	Reduce energy use intensity by 31% from 2007 levels	Energy use intensity: 29% reduction	 Energy use intensity: 35% reduction

	Property Development (PD)⁷: Achieve an energy use intensity of 95 kWh/m² Achieve a water use intensity of 1.54 m³/m² Achieve a waste intensity of 40 kg/m²⁴	Energy use intensity: $\leq 105 \text{ kWh/m}^2$ Water use intensity: $\leq 1.75 \text{ m}^3/\text{m}^2$ Waste intensity: $\leq 50 \text{ kg/m}^2$	○○● Energy use intensity: 104.86 kWh/m² ○○● Water use intensity: 0.70 m³/m² ○○● Waste intensity: 45.79 kg/m² Environmental performance reported for The Tapestry, which obtained TOP status in February 2021
	Ensure 100% of appointed suppliers ⁸ are certified by recognised EHS standards	$\geq 90\%$ of suppliers appointed by AM; 100% of main contractors and $\geq 90\%$ of key consultants appointed by PD	Data will be reported at end of the year
	Reduce embodied carbon of building materials by 24% compared to their conventional equivalents	7% reduction for new projects awarded from 2018 onwards	Performance is on track to meet target. Data will be reported at end of 2022 ⁹ when projects obtain TOP
Goal 3: Ensuring Fair, Safe and Inclusive Workplace  	Maintain zero corruption and fraud incidents across CDL's core operations	Zero	○○● Zero corruption and fraud incident
	Maintain zero fatality across CDL's operations and direct suppliers in Singapore	Zero	○○● Zero fatality
	Maintain zero occupational disease across CDL's operations and direct suppliers in Singapore	Zero	○○● Zero occupational disease
	Maintain a Major Injury Rate (Major IR)¹⁰ of 10.0 across CDL's operations and direct suppliers in Singapore	≤ 16.7	○○● Zero Major IR
	Maintain a Minor Injury Rate (Minor IR)¹⁰ of 250.0 across CDL's operations and direct suppliers in Singapore	≤ 354.7	○○● 292.6 Minor IR

Notes:

¹ Calculated based on % of total gross floor area (aligned with BCA's calculation of green buildings).

² Intensity figures were calculated based on per unit net lettable floor area.

³ A large amount of refrigerant was topped up in Q3 causing a drop in the reduction value by about 3%. Offsets and renewable energy certificates (RECs) will be used to reduce this footprint but will only be accounted for in Q4.

⁴ Water use and waste intensities include water use and waste disposed of by CDL Corporate Office.

⁵ Waste intensity figures are for non-recyclable waste.

⁶ Waste intensity performance for retail assets does not factor in footfall during the COVID pandemic due to exceptional fluctuations in footfall in the retail sector.

⁷ For projects that obtain TOP status for the reporting year. The Tapestry obtained TOP status in February 2021.

⁸ These refer to suppliers appointed by AM, and main contractors and key consultants (architects, civil and structural engineers, mechanical and electrical engineers) appointed by PD.

⁹ Based on the lifecycle of CDL's project developments, embodied carbon data for building materials is only available three or four years after a project has been awarded. Data reporting has been restated from end 2021 to end 2022 due to a delay in construction activities caused by COVID-19.

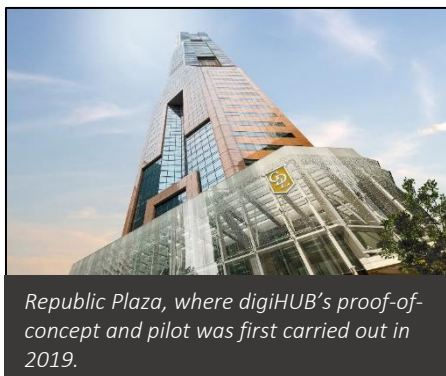
¹⁰ Major and Minor IR refer to the number of major and minor workplace injuries per 100,000 persons employed, respectively. For the definition of Major and Minor IR, please refer to the [Ministry of Manpower's website](#).

SUSTAINABILITY ACCOLADES & ACHIEVEMENTS

ACCOMPLISHMENTS

CDL Secures Discount for First-Of-Its-Kind Sustainability-Linked Loan on SDG Innovation

First in Singapore to adopt and apply SDG Innovation linked finance on a large-scale basis.



Republic Plaza, where digiHUB's proof-of-concept and pilot was first carried out in 2019.

6 SEPTEMBER 2021 – For its successful R&D and pilot of digiHUB, CDL has secured a discount for the SDG Innovation

Loan provided by DBS Bank Ltd. (DBS) in September 2019. CDL is the first Singapore entity to achieve a discount on a sustainability-linked loan through the adoption of an innovative project that supports the United Nations Sustainable Development Goals (SDGs) on a large-scale basis.

“We are pleased that our partnership with CDL on the nation’s first sustainable financing instrument tied to SDG innovation has borne fruit and demonstrated how digital innovation can be channelled towards achieving sustainable outcomes. With sustainable finance set to be a key enabler for companies to achieve their ESG objectives, DBS is committed to partnering like-minded clients such as CDL in structuring innovative solutions to help realise a more sustainable tomorrow for all.”

- **Mr Chew Chong Lim, Group Head of Real Estate, Institutional Banking, DBS Bank**

digiHUB is a digital platform that focuses on predictive and integrated Facilities Management (FM) solutions. Developed by CBM Pte Ltd, a major subsidiary of CDL, digiHUB integrates three key technological advances in the digital age – Internet of Things (IoT) Sensors, Analytical Tools, and Artificial Intelligence and Machine Learning, to synergise the different IT capabilities and revolutionise the delivery of FM services. Unlike conventional FM Systems which focus on tracking of internal work progresses, digiHUB creates an eco-system which enables property owners to have a broad

“The SDG Innovation Loan was designed to advance our commitment to R&D and technology application that will accelerate sustainable development. To mitigate and adapt to climate, health, and social risks, sustainable innovation will remain a key priority for CDL. With our pledge to the World Green Building Council’s Net Zero Carbon Buildings Commitment in February this year, we will further advance our decarbonisation efforts towards achieving net zero operational carbon by 2030. Moving forward, the fast-growing sustainable finance will remain a key enabler for green building and technology applications.”

- **Ms Esther An, CDL Chief Sustainability Officer**

overview on the performance of their assets, obtain insights for making strategic business decisions, reduce maintenance costs via predictive strategies, achieve higher efficiency and effectiveness of maintenance activities through intelligent building analytics, reduce reliance on manual labour, and increase FM productivities.

In addition, it allows a seamless transmission of feedback to the building management team, where the follow up and rectification of the problems can be promptly notified to the complainant. It is a flexible, easy-to-use, networked integrated property management system that facilitates the monitoring of energy conservation measures.

digiHUB’s proof-of-concept and pilot was first carried out in 2019 at Republic Plaza, CDL’s flagship building, with its completion endorsed by IMDA. CBM Pte Ltd has also recently secured a contract to proliferate digiHUB at all Land Transport Authority (LTA) properties located island-wide. It will continue to replicate the state-of-the-art digiHUB commercially for the benefit of the built environment sector. •

CDL now a Proud Signatory of the UN PRI

We commit to responsible investing and integrating PRI's Six Principles.

SEPTEMBER 2021 – CDL is now a signatory of the Principles for Responsible Investment (PRI), an investor initiative in partnership with UNEP Finance Initiative and the UN Global Compact.

Supported by the United Nations, the PRI is the world's leading proponent of responsible investment. It works to understand the investment implications of environmental, social and governance (ESG) factors, and to support its international network of investor signatories in incorporating these factors into their investment and ownership decisions.



In the global race to zero, sustainable investing is key to driving innovative solutions and transitioning towards a low-carbon economy. As an asset owner and manager, integrating [PRI's Six Principles](#) into how CDL invests, will have a profound impact beyond financial value. Through ESG investing and stakeholder engagement, we are excited to continue to move the needle to build a sustainable future for all. •

Awarded HRD's 5-Star Employer of Choice 2021

CDL will continue to embrace collaboration, inclusivity, innovation and diversity.



26 JULY 2021 – We are proud to announce that CDL has clinched the Human Resources Director (HRD) Employer of Choice award this year. 21 companies in Asia have been commended for their achievements and selected as [HRD's Employers of Choice for 2021](#).

The HRD 5-Star Employer of Choice Awards is an annual competition that scores participants on achievements and initiatives across a range of areas, including leadership, learning and development, wellbeing, flexibility, diversity and inclusion, work-life balance, and recruitment.

Companies that lay claim to the Employer of Choice Awards boast top-notch engagement scores, averaging around 70% and above. They also report experiencing low levels of voluntary turnover in the past 12 months, averaging around 10%.

While methodologies vary, most conduct regular surveys asking employees about their sense of pride in

their job, willingness to recommend the organisation to friends and family, as well as perceptions around leadership and corporate culture. The judging panel considered both qualitative and quantitative data, such as engagement survey results, average employee tenure and turnover rate.

Winning this award during a pandemic suggests having gone above and beyond the call of duty, being able to react on-the-go, and be attuned to both the needs of employees and the organisation. Apart from offering policies and benefits to sustain a positive employee experience, this year's 21 winners of HRD's 5-Star Employer of Choice Awards have also supported staff through overwhelming business and personal crises.

CDL has also been recognized in the HR Asia Awards 2020 as one of the Best Companies to Work for in Asia, and is the only real estate company in Singapore to be included in the sector-neutral Bloomberg Gender-Equality Index (GEI) since 2018. •

CDL is the Only Recipient of 2021 Workplace Safety and Health Developer Award

We are the only developer to clinch the award this year.



16 AUGUST 2021 – CDL has once again been conferred the [WSH Developer Award](#), marking this as the 12th year that CDL has successfully clinched this accolade. Presented by the [WSH Council](#) and supported by the [Ministry of Manpower](#), the annual WSH Awards recognises companies and individuals for achieving excellence in workplace safety and health, from top management to the last worker.

This year, the WSH Awards was held together with the bizSAFE Awards [virtually](#) on 29 July 2021, with a total of 256 companies and individuals who were recognised for their leadership and achievements in workplace safety and health.

CDL's WSH best practices form an integral part of its sustainability commitment since 1995. It conducts hazard identification, risk assessment and risk control exercises across its corporate offices, and 100% of its managed buildings and construction sites, in line with ISO 45001 management system requirements and local legislation. With the support of its Project Department and its Environment, Health and Safety (EHS) Committees, CDL's Board Sustainability Committee provides strategic oversight on WSH issues of the company.

"Maintaining occupational health and safety at the highest standards is key to building a resilient and agile workplace. Our CDL 5-Star EHS Assessment tool, pioneered in 2001, enables us to assess and improve EHS performance of our builders and contractors. It has helped us achieve a track record of low injury rates at our construction sites, which have remained significantly below industry average, and improve worksite morale and productivity. CDL is humbled to be conferred the WSH Developer Award once again and will continue to prioritise WSH for all workers."

- Ms Esther An, CDL Chief Sustainability Officer

In 2020, both physical and mental wellbeing of workers are of great concern due to the global pandemic. To strengthen the mental resilience of its indirect hires, the company worked closely with its contractors to provide dignified living and working conditions for their workers. This includes ensuring that the Construction Temporary Quarters and on-site facilities were equipped with amenities and measures that were aligned with national standards, including WSH risk assessments for COVID-19. During the lockdown of foreign worker dormitories in 2020, CDL also raised S\$88,000 through an internal fundraiser to purchase necessities that were identified by some 1,500 migrant workers at CDL development sites. •

CDL is Asia-Pacific's #1 Corporate Leader on Sustainability in the GlobeScan/SustainAbility Leaders Survey

The 25th edition of this survey was completed by almost 700 sustainability experts from over 70 countries.



28 JULY 2021 – CDL was ranked by experts as the #1 corporate leader in sustainability in the Asia-Pacific region in the [2021 Sustainability Leaders](#) by [GlobeScan](#) and [The SustainAbility Institute by ERM](#). Singapore's government was also identified as one of the leading governments advancing sustainable development at a national level. The [GlobeScan / SustainAbility Leaders Survey](#) has been tracking global experts' opinions on the development of the sustainability agenda since 1997, identifying companies, NGOs and governments perceived to be leaders in driving sustainable development.

This year, the survey captured the most diverse regional responses in its history, due to increased representation from experts in the Latin America and Asia-Pacific regions. While the 2021 survey sought expert opinions on leading sustainability organisations, in prior years, they asked respondents for their views on the most critical sustainable development issues. The survey also sampled perspectives on how the COVID-19 pandemic could potentially influence sustainable development priorities in the next few years.

The findings from this report illustrate that sustainability experts across the globe believe the global pandemic will not only heighten awareness of



"What we're seeing as a result of the pandemic is a triple-whammy of interconnected social, economic, and environmental challenges. None of these can be tackled in isolation, which requires organisations to have more comprehensive sustainability strategies integrated into their business and operating models. Leading businesses are showing the way as we enter the decade of action."

- **Mr Mark Lee, Director at the SustainAbility Institute by ERM**

environmental challenges, but also intensify socio-economic challenges like inequality and poverty. Sustainable business models and strategy are the strongest drivers of recognised corporate leadership, overtaking target-setting and sustainability values and purpose. GlobeScan continues to push for this survey to be used by companies, governments and NGOs worldwide to drive positive climate action. •

CDL's 80 Anson Road is Singapore's First Super Low Energy Private Residential Development

Singapore's first ever private residential development to receive the Building and Construction Authority (BCA) Green Mark Platinum Super Low Energy award.



Artist's rendering of 80 Anson Road.

"In support of global climate action, the built environment must embrace circularity by deploying resource-efficient technologies and practices. To achieve our net zero operational carbon targets by 2030, we established CDL's Smart, Sustainable and Super Low Energy (3S) Green Building Framework last year, which guides the way we create environmentally-friendly developments, with health and wellness at the centre of building design and construction. An example of this is the residential component of 80 Anson Road, our first super low-energy building with a biophilic design which also marks Singapore's first Green Mark Platinum Super Low Energy private residential development. Together with our stakeholders in the building value chain, we will continue to push the envelope in sustainable building design and innovation."

- **Mr Sherman Kwek, CDL Group CEO**

17 AUGUST 2021 – CDL has been awarded BCA's Platinum Super Low Energy certification for the residential component of its 80 Anson Road (former Fuji Xerox Towers) redevelopment project, making it the first ever private residential development to receive the award. The mixed-use project is aligned with CDL's 3S Green Building Framework which follows BCA's super low energy building requirements as well as international standards for advancing health and wellbeing in buildings.

CDL is currently redeveloping 80 Anson Road under the Central Business District (CBD) Incentive Scheme and plans to launch the residential component in 2H 2022. The proposed redevelopment will comprise a 45-storey mixed-use integrated project. Subject to authorities' approval, 40% will be dedicated for office and retail purposes, 25% for serviced apartments and the remaining 35% for residential use, with about 256 units for sale.

The residential component of 80 Anson Road will feature a solar photovoltaic (PV) system, which will generate renewable energy to meet 30% of the development's major energy-use systems, such as lighting and lifts. In addition, the building's exterior will have horizontal sun shading fins at every level, which reduces solar heat gain and energy consumption to the dwelling units and tenant areas. With these green features, energy savings for the residential component is estimated to be up to 1.7 million kWh per year, equivalent to powering 400 4-room HDB flats. The total cost savings for the development's green features, which include energy- and water-efficient appliances at residential units and common areas, is estimated at \$450,000 per year. •

CDL Chief Sustainability Officer Featured in Eco-Business's Opinion Piece: “Rise of the Chief Sustainability Officer”

Sustainability is a vital part of a company's business strategy and operational decision-making, which needs to be fully integrated into the corporate DNA in a robust, transformative manner.



18 AUGUST 2021 – Two decades ago, the term and existence of a Chief Sustainability Officer (CSO) was not mainstream. Today, the importance of CSOs and integration of ESG issues into a company's business has increased exponentially. According to the [Weinreb Group](#), a CSO recruiting and research firm, in 2020, the number of CSOs across Fortune 500 companies climbed from 29 to 95, growing more than 228 per cent since 2011. The past year itself saw 31 Fortune 500 companies appointing their first CSO.

Alongside prominent CSR and sustainability leaders such as Ms Herry Cho, Managing Director and Head of Sustainability and Sustainable Finance with [the Singapore Exchange](#); Ms Yvonne Zhang, [Deloitte](#) Southeast Asia Sustainability Leader; Ms Darian McBain, Global Director, Corporate Affairs and Sustainability of

[Thai Union](#); Dr Simon Lord, independent sustainability advisor, scientist and former [Sime Darby Plantation](#) CSO; and Mr Ignacio Carmelo Sison, Chief Corporate Officer of [Del Monte Pacific](#), CDL CSO Ms Esther An reflected on her key learnings from her extensive sustainability journey over the past 20 years in this [Eco Business article](#).

“A CSO should be someone who cares about the environment and the community at large; is committed to the cause of doing good and well; and is creative and communicative in mapping out a sustainability-centric strategy that has impact.”

- **Ms Esther An, CDL Chief Sustainability Officer**

To be resilient in an ever-changing environment, businesses today need to be forward-looking, environmentally-conscious, innovative and able to align themselves with the global goals, such as the United Nations Sustainable Development Goals (SDGs) and the global Race To Zero initiative. To achieve this, sustainability needs to be completely integrated into a company's business and operations, starting with the establishment of a CSO and a dedicated sustainability department. A responsible company should do well and do good to serve the greater good of communities and the environment. •

DRIVING SUSTAINABILITY THROUGH PARTNERSHIPS & THOUGHT LEADERSHIP

ADVOCACY

Celebrating International Built Environment Week

CDL continues to support the digital International Built Environment Week (IBEW) 2021 as part of our longstanding commitment to transforming the built environment with our innovative and green buildings.



7-10 SEPTEMBER 2021 – The [International Built Environment Week \(IBEW\)](#) is an annual event organised by BCA International, a wholly owned subsidiary of the Building and Construction Authority, in partnership with Reed Exhibitions Singapore, and supported by 12 Trade Associations and Chambers. Widely regarded as the most comprehensive event on the built environment in the Asia Pacific, the IBEW functions as a platform for the global community to converge and share knowledge, experiences and explore business opportunities.

The IBEW plays a pivotal role in supporting the built environment sector as it continues to evolve to meet new challenges. IBEW 2021, themed “Re-imagining the Future”, emphasised on next steps for the sector and highlighted the trends and opportunities that would facilitate business growth and transformation. Over the three days, registrants were able to access a specially curated digital conference and exhibition showcasing

the latest innovations in sustainability, built environment technologies, smart facilities management and digitalisation. The event also offered valuable insights and exciting networking opportunities to help businesses emerge stronger, more sustainable and resilient.

On 7 September, CDL Chief Sustainability Officer Esther An presented at IBEW’s “Towards Zero Carbon-From Buildings to Cities” plenary session and shared on how CDL continues to take the lead on decarbonising towards a low-carbon future. She touched on CDL’s journey from embracing green buildings since the early 2000s, to our pledge in February 2021 to join [World Green Building Council](#)’s Net Zero Buildings Commitment. With the latest IPCC Report sounding a “code red for humanity”, setting ambitious goals and urgent and collective action along the value chain is key to winning the race to zero. •

Addressing Rising Investor Expectations for Quality ESG Information

With 350 attendees tuning in from 24 countries, the third edition of the “The Future of Sustainability Reporting” webinar series focused on ESG investing and stakeholder expectations.



Moderated by CDL Chief Sustainability Officer Ms Esther An (top row, left), the webinar featured expert panellists (top row, right) Mr Shinbo Won, Director, Investment Stewardship at BlackRock, (bottom row, from left to right) Ms Chitra Hepburn, Head of APAC ESG Client Coverage at MSCI, and Mr James Robertson, Head of Asia (ex-China & Japan) at Principles for Responsible Investment.

17 SEPTEMBER 2021 – In the wake of severe natural disasters and the COVID-19 pandemic since March 2020, responsible investment has been gaining momentum as climate action and social inequities bring ESG principles to light. With the momentum comes fast-evolving expectations for sustainability reporting, and this increased emphasis on ESG presents both challenges and opportunities for corporate reporters.

In the third edition of The Future of Sustainability Reporting webinar series, three prominent ESG investing experts from BlackRock, MSCI, and PRI shared

their insights about the rising expectations of investors. The panel also shared key findings and their thoughts about two recent reports: ASIFMA Investor ESG Expectations – An Asian Perspective; and MSCI Institutional Investors Survey 2021.

This [free webinar](#) was proudly presented by CDL and the [Singapore Sustainability Academy](#), and is supported by the following partners: Singapore Exchange, Global Compact Network Singapore, the Singapore Institute of Directors, the Centre for Governance and Sustainability at NUS Business School and the UN ESCAP Sustainable Business Network. •

Supporting the 6th GCNS CEO Roundtable

Participants exchanged insights on navigating the transition to a low-carbon future.



28 SEPTEMBER 2021 – Held in partnership with Temasek’s [Ecosperity](#) Week 2021, [Global Compact Network Singapore \(GCNS\)](#) concluded its 6th CEO Roundtable on the topic of “Lowering Emissions, Leveraging Financing and Capturing Business Opportunities”.

Ms Esther An, Chief Sustainability Officer, CDL, was one of the six facilitators invited to stimulate dialogue on the topic, in the virtual breakout groups. CDL was also represented by Ms Yiong Yim Ming, Group Chief Financial Officer, as a participant at the roundtable.

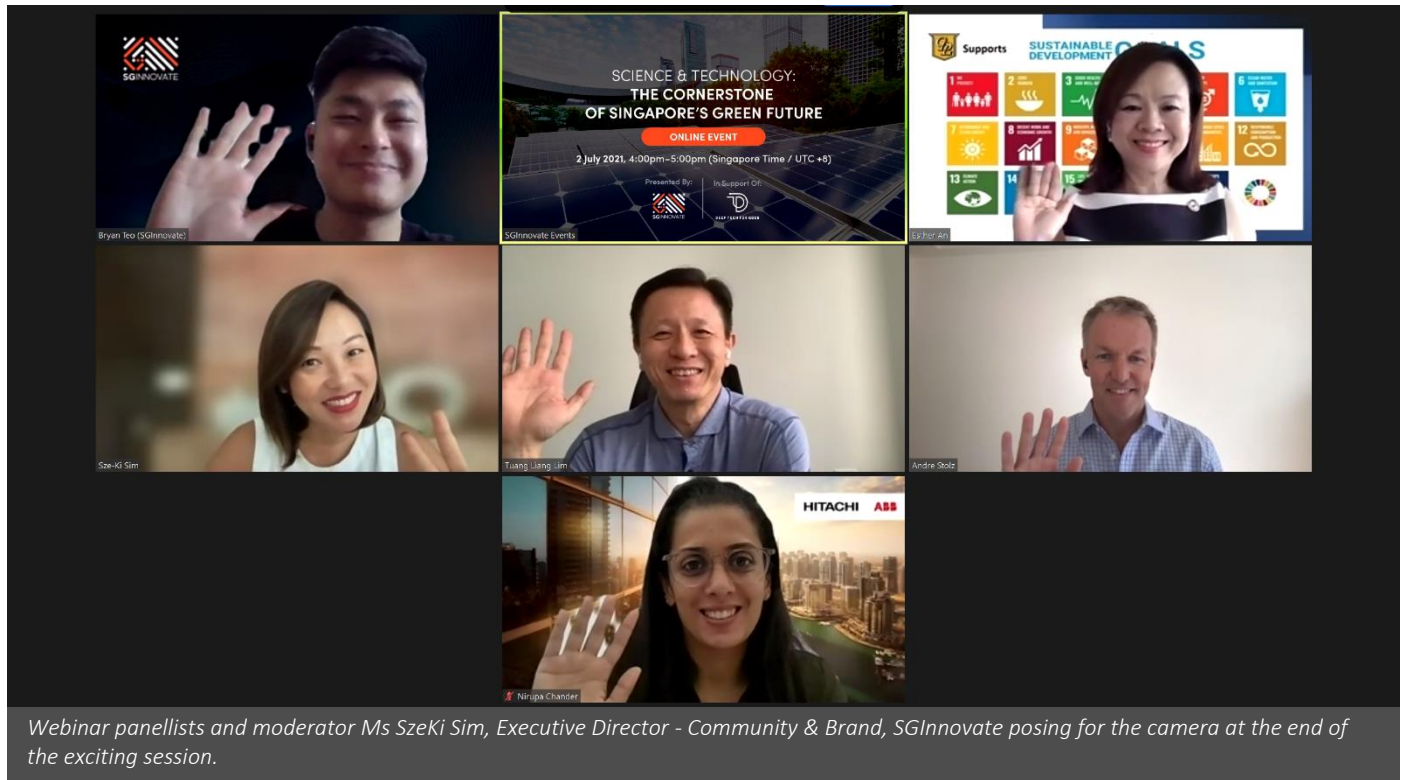
A dynamic and robust discussion on the collective advancement towards a greener future, the

roundtable had the privilege of having Mr Loh Boon Chye, Chief Executive Officer, Singapore Exchange; Dr Steve Howard, Chief Sustainability Officer, Temasek International; and Mr Lam Yi Young, Chief Executive Officer, Singapore Business Federation and Vice President, GCNS Management Committee address Roundtable participants.

The GCNS CEO Roundtable is an effective platform to bring C-Suite leaders from various industries to share wisdom and sustainability best practices. CDL is proud to be part of a programme that contributes innovative solutions for a low-carbon, sustainable and collaborative future. •

Supporting Science and Technology: The Cornerstone for Singapore's Green Future

Innovation has become key to the long-term resilience of businesses in the new normal. As a frontrunner in smart building solutions, CDL takes pride in developing low-carbon buildings for over two decades.



2 JULY 2021 – Presented by [SGIInnovate](#) in support of [Deep Tech for Good](#), [Science and Technology: The Cornerstone of Singapore's Green Future webinar](#) features key players and thought leaders as they discuss the role of research and development in strengthening areas in Singapore such as sustainable packaging, decarbonisation, waste upcycling, water treatment and urban farming.

Centred around the topic of promoting innovation under the [RIE2025 Plan](#), in which the government will sustain investments in research, innovation and enterprise at about 1% of Singapore's GDP over 2021-2025, the webinar explored developments in science and sustainable technologies, focusing on innovation as a key enabler in establishing Singapore as a leading hub for sustainability.

Featured alongside Mr Andre Stolz, CEO at EcoWorth Tech and Managing Director at Budding Innovations;

Mr Lim Tuang Liang, Chief Science and Technology Officer at the Ministry of Sustainability and the Environment, Singapore and Group Chief Technology Officer at S&T Policy and Planning Office; and Ms Nirupa Chander, Managing Director at Hitachi ABB Power Grids, CDL Chief Sustainability Officer Ms Esther An reflected on CDL's innovation strategy.

Ms Esther An shared how CDL designs, builds and manages our spaces with users' changing expectations and behaviours; the roles start-ups have played in CDL's innovative technologies and solutions; and how CDL stands against global counterparts when it comes to taking action to meeting our sustainability targets.

As the building and construction sector plays a crucial role in the global race to net zero, CDL will continue to pave the way to drive innovation in the way we live, work and play. •

Building Towards a Zero Carbon Built Environment

Green buildings and decarbonisation are set to transform the way we live, work and play.

The slide illustrates the embodied carbon across the building lifecycle. It features a horizontal timeline with icons and labels for each stage: Extract Raw Materials, Transport to Factory, Manufacture Products, Transport to Site, Construct Building, Use and Maintain Building, Demolish Building, Remove Waste Materials, and Recycle and Landfill. Above the timeline, green arrows indicate carbon emissions at each stage. The 'Use and Maintain Building' stage is highlighted in yellow and labeled 'Operational Embodied'. A video inset on the right shows Mr. Allen Ang speaking. The slide also includes the SGBC-REDAS Green Real Estate Trends Conference 2021 logo and a URL: <https://buildipress.co.uk/blog/what-is-embodied-carbon-and-how-should-i-approach-it/>. The slide number 15 and the Singapore Green Building Council logo are at the bottom.

Mr Allen Ang, Executive Vice President, Head of Green Building & Technology Applications of CDL and Board Technical Lead of SGBC outlining how the built environment can built towards net zero carbon.

5 AUGUST 2021 – Put together for the built environment sector by industry organisations the [Real Estate Developers Association of Singapore \(REDAS\)](#) and the [Singapore Green Building Council \(SGBC\)](#), the inaugural [Green Real Estate Trends Conference 2021](#) features thought leadership for next-generation green buildings.

This year's conference was held over two days and focused on three key trends to provide holistic and actionable pathways to propel green buildings towards a low-carbon future. The three key trends highlighted were: Furthering the Impact of Green Buildings; Getting to Net Zero Carbon; and Sustainability Leadership in Action. The opening address was given by Ar Tang Kok Thye, SGBC President and Mr Chia Ngiang Hong, CDL Group General Manager and REDAS President, and was followed by the keynote address by Mr Desmond Lee, Minister for National Development & Minister-In-Charge of Social Services Integration.

Mr Allen Ang, Executive Vice President, Head of Green Building & Technology Application of CDL and Board Technical Lead of SGBC presented "Building Towards a Zero Carbon Built Environment". In his presentation, he outlined Singapore's green building aspirations and how accelerated emphasis on decarbonisation will shape our places and spaces for years to come.

"Developments and emerging trends in the area of sustainability present business opportunities, with enterprises increasingly facing pressure from stakeholders like investors, regulators and consumers to integrate sustainability into their businesses."

- Mr Chia Ngiang Hong, CDL Group General Manager and REDAS President

Other featured speakers on this day included Mr Stephen Richardson, Director, Europe Regional Network of WorldGBC; Mr Eugene Seah, Enior Director, Special Projects of Surbana Jurong; Mr Kim Yoon Young, Cluster President, Singapore, Malaysia, Brunei of Schneider Electric.

Climate change is rising in prominence as clear environmental benefits stem from pandemic-instituted pauses in heavy industry activity, with an estimated 7% decrease in global greenhouse gas emissions. It is essential to continue mitigating the impact of climate change with our cities and buildings, which constitute nearly 40% of global carbon emissions. •

ENGAGEMENT

Opening of “Change the Present, Save the Future” Climate Action Exhibition

This exhibition reinforces collaborative efforts between private and public sectors in support of the Ministry of Sustainability and the Environment’s (MSE) Climate Action Week 2021 and the Singapore Green Plan 2030.



High-level panel discussion on the topic “Building a Sustainable Future – Collaboration Beyond Borders and Sectors.”

14 JULY 2021 – In partnership with the National Parks Board (NParks), CDL launched an exhibition themed “Change the Present, Save the Future” on building climate resilience through global collaboration.

Running until March 2022 at the net-zero CDL Green Gallery located in the Singapore Botanic Gardens, the exhibition amplifies the call for action to support both global and national climate efforts. It also showcases the transformation of Singapore into a City in Nature, a key strategy in mitigating the effects of climate change while also creating a more sustainable, liveable and beautiful city.

Officially launched by Ms Grace Fu, Minister for Sustainability and the Environment of Singapore, the

“We are thankful for the support of partners from the 3P (Private, People and Public) sectors which are with us on Singapore’s sustainability journey...This Climate Action Exhibition is one of the many interesting initiatives lined up this week. I am glad to hear that CDL has even created a virtual, 3D version of the exhibition to widen its reach to both local and foreign visitors. Let me conclude by congratulating CDL and NParks for launching this meaningful exhibition. I encourage everyone to visit this exhibition, either in person or online, and hope that it will inspire all of us to build a more sustainable Singapore for the future.”

- **Ms Grace Fu, Minister for Sustainability and the Environment of Singapore**

opening ceremony was accompanied by a high-level panel discussion on the topic “Building a Sustainable Future – Collaboration Beyond Borders and Sectors”.

Minister Grace Fu, who shared further details on the Singapore Green Plan 2030, was joined by distinguished panellists Ms Lynn McDonald, High Commissioner of Canada to Singapore; Mr R Raghunathan, World Wide Fund for Nature Singapore Chief Executive Officer; and Mr Max Loh, Singapore and Brunei Managing Partner, EY ASEAN IPO Leader, Ernst & Young. Ms Esther An, CDL Chief Sustainability Officer was the moderator for the panel discussion.

Leveraging contactless interactive displays, the exhibition takes visitors across four zones:

1. Building Climate Resilience Through Global Collaboration – highlighting global goals and actions.
2. Building A City in Nature – spotlighting NParks’ extensive greening efforts and community engagement in Singapore.
3. Advancing A Low-Carbon and Resilient Built Environment – featuring CDL’s green buildings, low-carbon operations, sustainable innovation and technology initiatives.
4. Global Action Beyond Borders and Sectors – showcasing CDL’s community engagements as well as a collage of quotes by prominent leaders across the public, private and people sectors, as well as

the international community, to reinforce the exhibition’s message on climate urgency.

The exhibition also features activities in collaboration with global and local partners in climate action, including the World Green Building Council, Resilient Cities Network, C40 Cities, Asia Pacific Real Estate Association, SGInnovate and United Nations Global Compact Network Singapore.

To extend outreach, we created a [virtual exhibition](#) to allow overseas visitors to tour the exhibition online. •

“Together with our longstanding partner NParks, we are pleased to stage an exhibition on climate action, which emphasises active collaboration across borders and sectors. This net zero-certified exhibition, which covers a diverse range of key sustainability issues and transformative climate efforts, illustrates our common vision of greening Singapore into a City in Nature. Scientists have said that carbon emissions must fall by 7.6% annually to achieve the 1.5 degrees Celsius temperature rise cap by 2030. Last year, even when the world almost came to a complete halt, emissions reduction only decreased by a mere 7%. We hope that visitors will heed the call to action and join the global effort in protecting our planet and creating a more sustainable future. With greater awareness, stronger action and more collaboration, we can indeed Change the Present and Save the Future together.”

- **Mr Sherman Kwek, CDL Group CEO**



Visitors are welcomed by the colourful SDG building blocks and upon entering, will notice contactless interactive displays showcasing various facts about climate change.

Empowering Youths through the Arts

Serving as a finale to MSE's Climate Action Week, the fourth edition of our Youth4Climate Concert rallied support for green and social causes through the 2021 President's Challenge.



18 JULY 2021 – Our Youth4Climate Concert 2021 ended MSE's Climate Action Week on a high note. With seven acts ranging from ice-skating and dance to sand art and guitar performances, viewers were inspired by the youths' passion for the environment and their aspirations for a sustainable future.

In its 4th year running, the virtual concert not only promotes climate action, but continues to rally support for social causes through the 2021 President's Challenge. In fact, CDL matched every unique share of the concert on Facebook with a pledge of \$10 to the Challenge. Hear the voices and wishes of young eco champions and their passion for the environment [here](#) now!

Recognising that youths play a pivotal role in a sustainable future, Youth4Climate is one of CDL's flagship programmes in support of youth empowerment and social good. Initiated in 2018, it aims to provide Singapore's youth with a platform to express their passion for the environment and green wishes for the future through musical performances and other exciting fringe activities.

Typically organised in partnership with the Ministry of Sustainability and the Environment, Youth4Climate supports the Singapore Green Plan 2030 and the United Nations Sustainable Development Goals. •

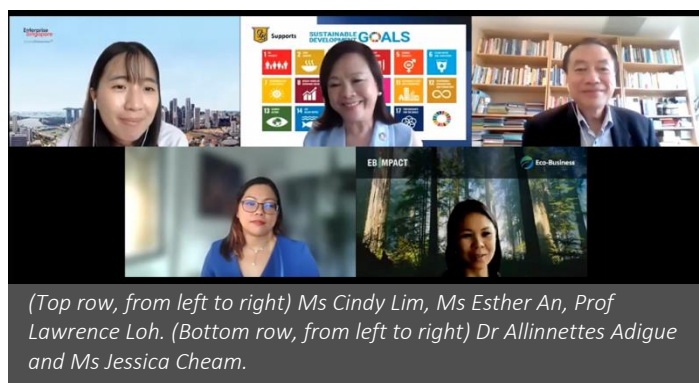
SINGAPORE SUSTAINABILITY ACADEMY: DYNAMIC HUB FOR THOUGHT LEADERSHIP, ADVOCACY & CAPACITY BUILDING CONTINUES VIRTUALLY

Building a sustainable future requires the collaboration of a larger ecosystem. The Singapore Sustainability Academy (SSA) was designed and built by CDL to be a hub for capacity building, thought leadership, and networking.

Despite restrictions due to COVID-19, the SSA has continued to promote sustainable lifestyle practices through various virtual workshops. Under the new Virtual SSA (VSSA) platform, it hosted a series of virtual and hybrid sustainability-related talks and sessions that were free and open to the public. It has provided the SSA with great opportunities to expand our outreach beyond our shores. In Q3 2021, the VSSA sessions attracted over 600 attendees.

As social distancing measures gradually ease, and where regulations permit, we look forward to welcome back the community physically at SSA for events that promote and support the UN SDGs. •

Virtual SSA HIGHLIGHTS: 1 July – 30 September 2021



VSSA 23:

The Future of Sustainability Reporting #2 – Challenges and Opportunities for SME Reporters

26 July 2021

In the second part of The Future of Sustainability Reporting series, the webinar focused on challenges and opportunities for SME reporters. Featuring Prof Lawrence Loh, Director, Centre for Governance and Sustainability, NUS Business School, National University of Singapore; Ms Jessica Cheam, SID ESG Committee member, Founder and Managing Director, Eco-Business; Ms Cindy Lim, Deputy Director (Circular Economy & Sustainability), Enterprise Singapore; Dr Allinnettes Adigue, Head, Global Reporting Initiative ASEAN Hub; and moderated by Ms Esther An, Chief Sustainability Officer of CDL, the expert panel shared tips for SMEs looking to kickstart their sustainability reporting journey or take it to the next level. • [Watch the recording here on our YouTube channel](#)

VSSA 24:

The Future of Sustainability Reporting #3 – ESG Reporting to Meet Changing Investor Expectations

17 September 2021



In the third part of The Future of Sustainability Reporting series, three prominent ESG investing experts shared their insights and advice about the rising expectations of investors and what they wish to see in a corporate sustainability report. Our expert panel comprised Mr Shinbo Won (Director, Investment Stewardship, BlackRock), Ms Chitra Hepburn (Head of APAC ESG Client Coverage, MSCI), and Mr James Robertson (Head of Asia (ex-China & Japan), Principles for Responsible Investment), with the discussion being moderated by Ms Esther An, Chief Sustainability Officer of CDL. The webinar saw about 350 attendees tune in from 24 countries. • [Watch the recording here on our YouTube channel](#)

THOUGHT LEADERSHIP SPEAKING ENGAGEMENTS IN Q3 2021

2 July | SG Innovate Webinar

Science and Technology the Cornerstone of Singapore's Green Future

6 July | SGX-Macquarie ESG Insights

Building Resilience, Creating Value

6 July | Asia Pacific Climate Week 2021-Side Event "Mobilized Ambition in Achieving NDCs: Enhancing Non-Party Stakeholder Contribution"

ASEAN Private Sector takes a step further in enhancing the GHG emission reduction target

8 July | Mediacorp Executive Insights

How Sustainability Drives Your Brand Equity

21 July | GRI ASEAN Expert Series: Building Leadership for Sustainable Businesses

Do Companies need a CSO?

21 July | Plastic Neutral Conference

Plastic Neutrality and its Different Applications

23 July | Energy Innovation 2021 - Enabling Sustainable Energy Transformation

Key Energy Trends and Energy 2030 Vision

29 July | IN Diplomacy: Accelerating Green – Towards Collaborative Action Building

Building Sustainable Cities & Communities a Business Case

29 July | LIT DISCOvery Symposium

Refreshed Green Plans and a Sustainable Career Future

13 Aug | UOB Green Couch Webinar Series

Can Corporates Save the Planet?

17 Aug | Asia Sustainability Conference

Rethinking the Future of ESG in Asia

19 Aug | The Net Zero virtual event

Is Net Zero the Future or just Hot Air?

2 Sept | ASEAN Forum - Sustainable Recovery in a Covid Era

Balancing Recovery with Sustainability. Building a Resilient Business & Future

2 Sept | International CSR & Sustainability Summit 2021 ESG FIRESIDE CHAT

Powering-Up Your ESG: From Strategy to Action

2 Sept | The Board Perspective: ESG and climate-related risks and opportunities

ESG Issues are Mainstream Board Agendas

7 Sept | IBEW Spotlight Plenary: Towards Zero Carbon – From Buildings to Cities

Building A Sustainable Future - Winning the Race to Zero Together

7 Sept | Doctor of Business Administration (DBA) Program on "Leading under uncertainty", SMU & Cheung Kong Graduate School of Business, Beijing

Adapting to A Fast-Changing Environment: Leading to Build Resilience & Create Value

15 Sept | SMU Masterclass course on sustainable operations Sustainable Operations Course, Lee Kong Chian School of Business

Building A Low Carbon, Sustainable Future

8 Sept | GlobeScan / SustainAbility Leaders Webinar (APAC)

2021 Sustainability Leaders' Survey

16 Sept | ASEAN Energy Business Forum

Towards a Net Zero Future – Corporates' Drive for Decarbonisation

22 Sept | GRI Business Leadership Forum

Masterclass on Corporate Reporting as a Driver to achieving the SDGs

25 Sept | Green is The New Black Conscious Gathering

Sustainability through the Female Lens

26 Sept | The Edge Singapore Investival

ESG Investing - why does it matter to the individual investor?

27 Sept | World Benchmarking Alliance (WBA) -GRI Webinar

Examining Stakeholder Needs for Global Sustainability Reporting Standards

28 Sept | APREA Investors' Outreach Initiative: Real Assets Roundtable

ESG as the New Age Mantra

28 Sept | GCNS CEO Roundtable

Lowering Emissions, Leveraging Financing and Capturing Business Opportunities

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