



CDL marked key milestones in our sustainability journey through the publication of our 14th Integrated Sustainability Report 2021 and our pledge to WorldGBC's Net Zero Carbon Buildings Commitment.

2020 served as a stark reminder that change is inevitable, and that business resilience is key to survival. In the face of the COVID-19 pandemic and climate crisis, we saw a greater convergence of will and commitment to combat climate change at global, national, and business levels. It is now abundantly clear — the health of the planet, people and economies are interdependent. With support from 120 countries, 23 regions, around 700 cities (as of May 2021 and still counting), the global race to net zero reflects this global acceleration of sustainability.

However, time is ticking. We have slightly more than nine years to achieve global 2030 goals. Even with the world almost coming to a standstill last year, carbon emissions reduction merely decreased by 6.4%, as reported in [Nature](#). Our planet is heating up too fast and too much, with the hottest years on record occurring over the last seven years. Closer to home, Singapore is heating up [twice as fast](#) as other parts of the world. The nation's maximum daily temperatures could reach 35°C to 37°C by 2100 if carbon emissions continue to rise at the same rate. These data suggest a grim future if more action is not taken, hence the critical need for 2021 to be a year to kick start a decade of climate mitigation and adaptation efforts.

At CDL, we marked a key milestone in our sustainability journey at the start of this year — by being the first real estate conglomerate in Southeast Asia to sign the World Green Building Council (WorldGBC)'s Net Zero Carbon Buildings Commitment. By joining the Commitment, we pledged net zero operational carbon by 2030 for our new and existing wholly-owned assets and developments under our direct operational and management control. This bold and ambitious goal reinforces our longstanding ESG efforts since 1995 and complements the Singapore Green Plan 2030.

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The start of 2021 also saw us stepping up our efforts on advancing the full spectrum of ESG. We published our Integrated Sustainability Report 2021, our fourteenth sustainability report since 2008. Aptly themed “Advancing Change Resilience”, the digital report communicates CDL’s progress towards our material ESG goals and targets established under the CDL Future Value 2030 sustainability blueprint. This quarter, we also continued to implement innovative sustainable solutions to further the quality of our developments.

Since the start of the year, we have remained active in advocacy and outreach, with the unveiling of the 11th CDL-Global Compact Network Singapore Young SDG Leaders Award and the launch of the CDL E-Generation Challenge 2021. In addition, we celebrated International Women’s Day with our first hybrid event since the start of COVID-19. For our efforts in advancing gender equality at the workplace, we were listed on the Bloomberg Gender-Equality Index 2021 for the fourth consecutive year and was the only Singapore real estate company to be listed this year.

Change in the world is afoot, and prioritising ESG requires fundamental alteration to businesses’ DNA. As Singapore’s real estate pioneer and green building leader, CDL will continue to create impactful collaborations. We will do so by engaging on issues that matter, driving long-term sustainability and value creation for our business and stakeholders, and building resilience against future crises.

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 Q1 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	○○● 50 engagement and advocacy initiatives and activities
Goal 2: Reducing Environmental Impact    	Achieve science-based target of reducing carbon emissions intensity by 59% from 2007 levels ²	42% reduction	○○● 43% reduction
	Asset Management (AM) - Office & Industrial²:		
	Reduce energy use intensity by 45% from 2007 levels	Energy use intensity: 37% reduction	○○● Energy use intensity: 45% reduction
	Reduce water use intensity by 50% from 2007 levels ³	Water use intensity: 43.5% reduction	○○● Water use intensity: 67% reduction
	Reduce waste intensity by 16% from 2016 levels ^{3,4}	Waste intensity: 14% reduction	○○● Waste intensity: 22% reduction
	Asset Management (AM)-Retail²:		
	Reduce energy use intensity by 18% from 2010 levels	Energy use intensity: 18% reduction	○○● Energy use intensity: 29% reduction
	Reduce water use intensity by 9% from 2010 levels	Water use intensity: 8% reduction	○○● Water use intensity: 39% reduction
	Reduce waste intensity by 12% from 2016 levels ⁴	Waste intensity: 10.7% reduction	○○● Waste intensity: 10.9% reduction ⁵
	Corporate Office:		
	Reduce energy use intensity by 31% from 2007 levels	Energy use intensity: 29% reduction	○○● Energy use intensity: 32% reduction

	Property Development (PD)⁶: Achieve an energy use intensity of 95 kWh/m² Achieve a water use intensity of 1.54 m³/m²⁷ Achieve a waste intensity of 40 kg/m²^{4,7}	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	 76.9 Minor IR

Notes:

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

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

³ Water use and waste intensities include water use and waste disposed of by CDL Corporate Office.

⁴ Waste intensity figures are for non-recyclable waste.

⁵ 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.

⁶ For projects that obtain TOP status for the reporting year. The Tapestry obtained TOP status in February 2021.

⁷ Target revised in March 2021 with valid consideration that there are more mixed developments in the pipeline in the coming years, effecting greater water usage and waste generation.

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 definition of Major and Minor IR, please refer to the [Ministry of Manpower's website](#).

ACCOMPLISHMENTS

CDL's Integrated Sustainability Report 2021 Spotlights Our Adaptable and Resilient ESG Strategy

Themed “Advancing Change Resilience”, the digital report communicates CDL's progress towards our material Environmental, Social and Governance (ESG) goals and targets, established under the [CDL Future Value 2030 sustainability blueprint](#).



15 APRIL 2021 – We have published our [Integrated Sustainability Report \(ISR\) 2021](#), our fourteenth sustainability report since 2008.

As an early adopter, CDL's ESG reporting has evolved into a unique model, harmonising various international reporting frameworks. These include the Global Reporting Initiative (GRI) Standards as its core (since 2008); International Integrated Reporting Council's (IIRC) Integrated Reporting Framework (since 2015); SDG Reporting (since 2016); Task Force on Climate-related Financial Disclosures (TCFD) framework (since 2017) and Sustainability Accounting Standards Board (SASB) (since 2020).

In response to the growing demand for climate-related financial disclosures from the investment community, our ISR 2021 stepped up on the comprehensiveness and the presentation of TCFD and SASB disclosures in a supplementary format for easy reference. The report is also assured against the Climate Disclosure Standards Board (CDSB) framework, complementing CDL's unique blended reporting framework that addresses the increasing and more diverse demands for corporate ESG disclosures by investors and stakeholders.

As part of our steadfast commitment to ESG disclosure, we have also refreshed our [sustainability microsite](#) with a more dynamic user experience and our FY2020 ESG performance, aligning with the strategy and scope of our ISR 2021.

Embracing change is the only way forward for the sustained growth of our business, and prioritising ESG will remain a key focus. •

CDL Pledges Net Zero Operations by 2030

We are the first Singapore real estate developer signatory of WorldGBC's Net Zero Carbon Buildings Commitment.



3 FEBRUARY 2021 – Raising the bar on lowering our carbon footprint for climate action, CDL has become the first real estate developer in Singapore and the first real estate conglomerate in Southeast Asia to sign the [WorldGBC's Net Zero Carbon Buildings Commitment](#). Given the high environmental impact of the Built Environment, the Commitment challenges businesses to take leadership action to reach net zero operational carbon in operation for every building under their direct control by 2030, and advocates for all buildings to be net zero operational carbon in operation by 2050.

By joining the Commitment, CDL is dedicated to achieving net zero operational carbon by 2030 for our new and existing wholly-owned assets and developments under our direct operational and management control. Pledging to the WorldGBC's Net Zero Carbon Buildings Commitment will entail CDL disclosing, reducing and verifying operating Scope 1 and 2 emissions of our managed buildings, including our corporate office in Singapore.

To achieve this ambitious goal, CDL will strive to reduce our carbon emissions, including retrofitting our managed buildings to further enhance energy efficiency and accelerating the transition to renewable energy. The company has also mapped out pathways to achieve net zero carbon in operation by 2030 through:

- Leveraging smart technologies and emerging innovations to maximise buildings' energy performance.
- Achieving 100% renewable energy.
- Developing a low-carbon investment roadmap.
- Phasing out diesel across all operations.

- Strengthening supply chain engagement to lower the embodied carbon of our developments.
- Educating and influencing building users to drive change in mindset and action.

“Our pledge to the WorldGBC's Net Zero Carbon Buildings Commitment marks a key milestone in our sustainability journey as we take affirmative action to support the global agenda towards net zero by 2050. Taking this bold step forward reinforces our climate mitigation and adaptation efforts to build a more sustainable future in Singapore and abroad.”

**- CDL Group Chief Executive Officer
Mr Sherman Kwek**

To complement CDL's target to achieve net zero for our buildings by 2030, CDL further developed a Smart, Sustainable and Super Low Energy (3S) Green Building Framework, known as the 3S Green Building Framework. An expansion of CDL's green procurement guidelines, this holistic framework is aligned with BCA Super Low Energy (SLE) buildings requirements, as well as international standards for advancing health and wellbeing in buildings. Plans are currently underway to roll out BCA SLE certified buildings in our portfolio. •

Listed on Bloomberg Gender-Equality Index 2021 for Fourth Consecutive Year

CDL is the only Singapore real estate company to be recognised on the prestigious index.



28 JANUARY 2021 – For the fourth consecutive year, CDL has been listed on the [2021 Bloomberg Gender-Equality Index \(GEI\)](#), which recognises companies committed to transparency in gender reporting and advancing gender diversity in the workplace. This year, CDL is the only Singapore real estate company and one of six Singapore companies to be recognised on the index. The 2021 GEI comprises 380 companies with a combined market capitalisation of USD14 trillion headquartered in 44 countries and regions across 11 sectors.

Tracked by investors, the GEI is a standardised reporting framework that measures the gender data of public companies committed to supporting gender equality through policy development, representation, and transparency. The reference index measures

gender equality across five pillars: female leadership and talent pipeline, equal pay and gender pay parity, inclusive culture, sexual harassment policies, and pro-women brand.

Mr Sherman Kwek, CDL Group Chief Executive Officer, said, “CDL is honoured to be placed on the 2021 Bloomberg GEI for the fourth time, and we are glad to have been featured every year on the index since its inauguration in 2018. Embracing diversity and inclusion in our workforce has allowed us to tap into a wider range of viewpoints and perspectives, which has deeply enriched our corporate culture and strengthened our decision-making and performance. We will continue our efforts to advance gender equality and promote an inclusive culture at the workplace.”

Recognising that creating and expanding opportunities for women are fundamental to its growth, CDL established an internal Diversity and Inclusion Task Force in 2017 to promote diversity and inclusion within the workplace and the wider community. This Task Force complements CDL’s [Women4Green](#) network, a platform dedicated to encouraging and inspiring women to create a financially, environmentally and socially sustainable future.

Currently, CDL has more females than males in both managerial and non-managerial positions, with women making up a significant 68% of its workforce. In addition, 55% of its Heads of Departments (HODs) are females. In 2017, CDL also adopted a formal Board Diversity Policy, which sets a clear framework for promoting diversity on its Board. To date, two (or 20%) out of ten directors on CDL’s Board are women. This meets the Council for Board Diversity’s recommended target of having a 20% women representation on the boards of Singapore-listed companies by 2020.

Mr Peter T. Grauer, Chairman of Bloomberg, said, “The companies included in the 2021 GEI are expanding the ESG data universe to include gender-related data that investors are demanding today. Their commitment to disclosure is making the business case for inclusion, and driving transparency in the markets.”

The GEI expanded in 2021 to represent 44 countries and regions, including firms headquartered in Indonesia and Bermuda for the first time. Companies range from a variety of industries, including automotive, banking, consumer services, engineering and construction, and retail. •

CDL Secures S\$470 Million Green Revolving Credit Facility

CDL continues to tap on fast-growing sustainable financing to realise our vision of building sustainable and climate-resilient cities and communities through our Green Revolving Credit Facility (RCF).



Republic Plaza, CDL's flagship commercial property in the heart of Singapore's Central Business District.

30 DECEMBER 2020 – Finance can play a powerful role in the transition to a sustainable and low-carbon economy. Through our wholly-owned subsidiary CDL Properties Ltd (CDLP), we have secured a green RCF amounting to S\$470 million, for the refinancing of Republic Plaza and on-lending to CDL's eligible green projects as defined in the CDL Sustainable Finance Framework.

CDL's Sustainable Finance Framework was developed and adopted when our SDG Innovation Loan was launched in 2019. It demonstrates how CDL and the Group's entities intend to fund projects or innovation that will deliver social and environmental benefits to support the Group's business strategy and vision. The framework also stipulates how the financing proceeds are to be applied to eligible projects.

The five-year S\$470 million green RCF is provided by a group of lenders comprising Agricultural Bank of China, Credit Industriel et Commercial, DBS, HSBC, MUFG, Malayan Banking and SMBC. In addition, DBS and HSBC are the Green Loan Advisors for the green RCF.

The latest green RCF follows CDL's S\$500 million green loans for new property developments in 2019. In 2017,

we announced our inaugural green bond issuance, the first by a listed Singapore real estate company. The green bond raised S\$100 million which was allocated towards the repayment of a S\$100 million loan extended by CDL to CDLP, which owns Republic Plaza. Various initiatives to enhance energy and water efficiency have been implemented at Republic Plaza, including the major retrofitting of chiller plants and the installation of energy-efficient lightings with motion sensors.

Completed in 1996, Republic Plaza is one of Singapore's tallest skyscrapers. Since its completion, Republic Plaza has continuously been upgraded to improve the building's energy efficiency. In 2012, Republic Plaza was awarded by BCA with the highest Green Mark Platinum rating. In 2019, CDL unveiled a new look following a S\$70 million Asset Enhancement Initiative (AEI).

Ms Yiong Yim Ming, CDL Group Chief Financial Officer, said, "With the pandemic heightening awareness on the need to build resilience through responsible investments, green loans have accelerated to become predominant in sustainable financing. We embrace ESG as a core aspect of our long-term value creation strategy for our business, investors and stakeholders and the successful integration of ESG into our business strategy and operations have led to our strong sustainability performance. CDL has paved the way with our inaugural green bond back in 2017 and is forging ahead with another green RCF that reinforces our reputation as a pioneering green developer."

As of 31 December 2020, CDL has secured more than S\$1.3 billion of sustainable finance, further illustrating our good governance and contribution to building a sustainable future for all. •

CDL Awarded 2020 CDP Supplier Engagement Leader

CDL is honoured to be placed amongst the top 7% of companies assessed by CDP for supplier engagement on climate change, reaffirming our efforts in driving positive action through the active engagement of our stakeholders.



4 FEBRUARY 2021 – Supply chain risk management is essential to prepare businesses for events such as natural disasters, extreme weather conditions and health pandemics that can lead to transport or supply chain disruptions.

CDL proactively engages key stakeholders to embrace safe and environmentally-friendly designs, as well as best operational practices throughout the lifecycle of our developments. We achieve this by establishing clear procurement guidelines and specifications for our vendors to reduce the overall environmental impact of our projects and managed buildings, such as by using only sustainable and non-toxic building materials.

For CDL's robust efforts in working with our supplier network to address climate change, we were the only real estate company in Southeast Asia and the only Singapore company to be awarded the 2020 CDP Supplier Engagement Leader.

Moving forward, CDL plans to glean further insights through targeted, issue-specific supplier engagement to understand and influence issues, including product sourcing and use and migrant workers management. As the company enhances diversification of raw materials and source countries to minimise future supply chain risks, we will also continue to explore carbon emissions reduction solutions in building design and materials, such as the usage of innovative carbon-negative building materials. •

CDL Chief Sustainability Officer Appointed as Vice-Chair of Singapore Institute of Directors' ESG Committee and Member of ESCAP Sustainable Business Network Council

As an active advocate for green building and ESG integration for over two decades, Ms An continues to drive sustainability in corporate leadership as sustainability becomes mainstream.

JANUARY 2021 – CDL Chief Sustainability Officer Ms Esther An has been appointed Vice-Chair to the [Singapore Institute of Directors'](#) (SID) ESG Committee, as well as a member of the [ESCAP Sustainable Business Network](#).



Formed in 1988, SID is Singapore's national association of company directors that works closely with authorities and regulators, and its network of members and professionals, to encourage and enhance excellence in corporate governance and ethical conduct.

Consisting of executives and representatives of leading businesses in a wide range of industries and sectors from across the Asia-Pacific region, the ESCAP Sustainable Business Network (ESBN) is set up to drive businesses in working towards the 2030 Sustainable Agenda and associated Sustainable Development Goals (SDGs). •

DRIVING SUSTAINABILITY THROUGH PARTNERSHIPS & THOUGHT LEADERSHIP

ADVOCACY

Celebrating International Women's Day

Titled “Women Champions in Sustainability”, this Virtual Singapore Sustainability Academy session explored insights from the Bloomberg Gender-Equality Index and the journey of three C-suite women as they #ChooseToChallenge norms and barriers.



Moderated by CDL Chief Sustainability Officer Ms Esther An (extreme left), the hybrid event featured prominent female leaders who shared their experiences on gender equality in their respective areas of work.

10 MARCH 2021 – Many women have played a leading role in driving the global climate agenda and will continue to forge paths for generations to come. To celebrate [International Women's Day 2021](#) and to support its theme [#ChooseToChallenge](#), CDL's Virtual [Singapore Sustainability Academy](#) and [Women4Green Network](#) organised a panel of leading female champions across various industries.

Over 100 people attended the event—some in person, most virtually via Zoom. The event served as a platform for three C-suite women to share their insights and expertise in driving positive change towards a more inclusive, equitable and sustainable future.

The session kicked off with a pre-recorded message on the [Bloomberg Gender-Equality Index](#) (GEI) by Patricia

Torres, Global Head of Sustainable Finance Solutions at Bloomberg, and was followed by a panel discussion featuring CDL Chief Sustainability Officer and panel moderator Ms Esther An; Managing Director at Templebridge Investments and Past-President of the Singapore Committee for UN Women, Ms Trina Liang; Head of APAC ESG Client Coverage at MSCI, Ms Chitra Hepburn; Global Board Director, Professional Speaker, Chairperson of Singapore Institute of Directors and Founder & CEO of Bronze Phoenix Pte Ltd., Ms Wong Su Yen.

Recognising that female empowerment is crucial for the advancement of climate action, CDL has earned our inclusion in the sector-neutral Bloomberg GEI for the fourth year running since 2018. •

Retrofitting the Singapore Sustainability Academy

CDL continues to maintain high standards in green building through the use of sustainable materials and the implementation of a vertical garden.



[Top row, left to right] Retrofitted SSA outdoor deck made from 95% recycled materials and the SSA Partnership Green Wall name plaques made from recycled acrylic. [Bottom row, left to right] Vertical farming system made with sustainably printed 3D materials and a close-up shot of the recycled acrylic name plaques.

JANUARY 2021 – A BCA Green Mark Platinum-certified building, the Singapore Sustainability Academy (SSA) is the first building in Singapore to have its construction materials, Cross Laminated Timber and Glued Laminated Timber, verified by the Nature's Barcode™ system as coming from responsible sources. The entire facility is built with over 80% of structural materials that come from sustainable sources.

As part of CDL's efforts to support circular economy solutions, we retrofitted the SSA with an outdoor deck made from recycled resources. Made from 95% recycled materials comprising 65% reclaimed Forest Stewardship Council—which provides certification of timber products that originate from forests that are managed responsibly and sustainably—certified wood and 30% polyethylene, the deck is highly durable, safe, and has a low environmental impact. It has been awarded the highest-tiered certification by the Singapore Green Building Council.

Additionally, we retrofitted the SSA partnership name plaques with recycled acrylic at the SSA Partnership

Green Wall, which features hundreds of supporting partners in name plaques. Compared with the earlier plaque that was made of wood, the recycled acrylic plaque is durable, low-maintenance, and has a low environmental impact, as it has been sustainably upcycled from other materials.

We are also collaborating with the [Singapore University of Technology and Design's Architectural Intelligence Research Lab](#) to pilot a functional vertical farming system, developed through 3D printing using sustainable bio-based materials at the SSA. If successful, the project will be expanded to a larger-scale pilot and wider scope of collaboration to incorporate sustainable, 3D printed architectural features in future CDL developments.

As the building and construction sector plays a crucial role in the battle against global warming, CDL will continue to apply a circular economy approach to materials used for our projects and close the waste loop, wherever applicable. •

Acoustic-Friendly Ventilation Window at NUS-CDL Smart Green Home

Through championing leading-edge innovation, CDL continues to implement creative sustainable solutions that further the quality of the homes we develop.

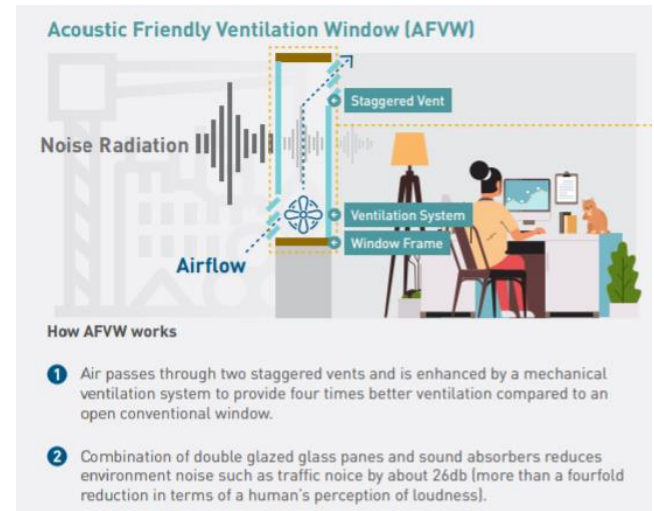


Honorary Fellow Dr Lee Siew Eang (left) and Dr Eddie Lau Siu-Kit (right) from NUS School of Design and Environment, with the Acoustic Friendly Ventilation Window installed at the NUS-CDL Smart Green Home.

3 FEBRUARY 2021 – Urban noise pollution has long been an issue for high-density cities like Singapore. To combat outdoor noise issues, an enclosed air-conditioned space is required, resulting in increased energy consumption and reduced natural ventilation. With a focus on ensuring sustainability and improving wellness, aural comfort, and indoor air quality, the NUS-CDL Smart Green Home developed an Acoustic Friendly Ventilation Window (AFVW) that allows for air change efficiency of up to four times more than conventional windows, letting fresh air in while also reducing noise.

Developed by Dr Eddie Lau Siu-Kit from the Department of Architecture and Honorary Fellow Dr Lee Siew Eang from the Department of Building, alongside former colleagues Dr Du Liangfen and Mr Martin Konrad Danzer, the AFVW prototype was installed at Irwell Hill Residences' showflat in March 2021 for test-bedding and system refinement as part of the NUS-CDL Smart Green Home collaboration.

The NUS-CDL Smart Green Home is a unique indoor test-bed environment that serves as a platform for holistic and innovative experimental studies on smart features, green building technologies and design for sustainable living. Situated in [NUS School of Design and](#)



[Environment](#), NUS-CDL Smart Green Home is a 100 m² full-size home designed for plug-and-play experimentation of new smart materials, systems and finishes.

“The AFVW is one of SDE’s many research outcomes strategically aligned with our ‘Well & Green’ vision that emphasises a people-centric integrated design approach. The NUS-CDL Smart Green Home allows customisation to facilitate cross-disciplinary research and development, ultimately creating a well-designed and healthy indoor environment.”

**- Dean, School of Design and Environment,
National University of Singapore
Professor Lam Khee Poh**

Based on the findings of the pilot, CDL will explore moving this technology into larger-scale implementation in our future projects. Such innovative experimental studies on smart green building features will help CDL to set benchmarks in building innovation and sustainable development. •

ENGAGEMENT

Empowering Youths for a More Sustainable Future

The CDL-GCNS Young SDG Leaders Award continues to nurture young sustainability champions and ideate innovative business solutions for a more sustainable planet.

7 JANUARY 2021 – Themed “Taking Action for SDG 13 Climate Action in the New Normal”, the [CDL-GCNS Young SDG Leaders Award](#) is back with our 11th edition. An annual case competition for the young aged 17 to 25 years old, this is one of the few and longstanding competitions in Singapore that equips youths with the skills to integrate Sustainable Development Goals (SDGs) into business strategy and operations, while also providing businesses with innovative ideas on conducting responsible business.

Participants were asked to address the following topic: “How can CDL integrate SDG 13 (Climate Action) into its key business areas (Property Development, Asset Management and Hotel Business), which would be beneficial for CDL’s business and the health of the planet and people, taking into account the new normal caused by COVID-19?” through a video clip.

The top 10 finalist teams will be matched with participating companies and will be required to complete a three to five-day work attachment with their assigned case company to learn first-hand about the challenges of implementing sustainability across a business and aligning it to SDG 13. Following the completion of the work attachments, the finalist teams will submit their proposed sustainability strategies and solutions of their assigned companies to a judging panel, which will determine the top three winners of the 2021 competition. The awards presentation will be held at the Global Compact Network Singapore summit in October 2021.

At CDL, we believe that youths today can shape the world of tomorrow. Sustainability has become a mainstream business agenda, and the COVID-19 crisis has accelerated the transition to building a more sustainable world. Through the convergence of will and commitment of businesses, youths and the rest of society, we can build back better and greener. •



The poster for the CDL-GCNS Young SDG Leaders Award 2021 features a colorful infinity symbol logo. The text reads: "CDL-GCNS YOUNG SDG LEADERS AWARD 2021". A descriptive paragraph states: "The CDL-GCNS Young SDG Leaders Award is an annual case competition for youths to champion the UN SDGs and ideate innovative business solutions for a more sustainable planet." The main title is "TAKING ACTION ON SDG 13 CLIMATE ACTION IN THE NEW NORMAL". It highlights "EARLY BIRD REGISTRATION" with a deadline of 24 Jan 2021 for shopping vouchers and 14 Feb 2021 for team registration. A prize of \$10,000 cash is offered. Registration details and contact information are provided at the bottom, along with logos for City Developments Limited, Global Compact Network Singapore, and Sustainable Development Goals.

CDL-GCNS YOUNG SDG LEADERS AWARD 2021

The CDL-GCNS Young SDG Leaders Award is an annual case competition for youths to champion the UN SDGs and ideate innovative business solutions for a more sustainable planet.

TAKING ACTION ON SDG 13 CLIMATE ACTION IN THE NEW NORMAL

EARLY BIRD REGISTRATION

Register by 24 Jan 2021 and win shopping vouchers

Form a team of 3 to 5 members. **Registration closes on 14 Feb 2021.**

Stand a chance to win \$10,000 cash prize

For registration and more information, visit <https://youngsdgleaders.com/> or contact youngsdgleaders@cdl.com.sg

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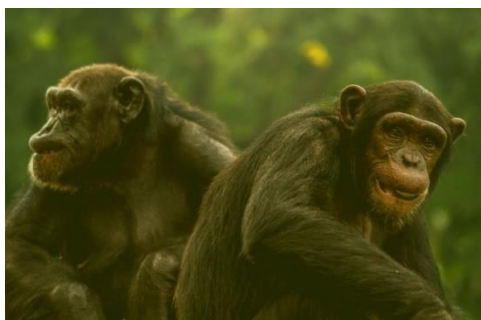
 **CITY DEVELOPMENTS LIMITED**

 **Global Compact Network Singapore**

IN SUPPORT OF

 **SUSTAINABLE DEVELOPMENT GOALS**

 **SDG 13 CLIMATE ACTION**



CDL E-Generation Challenge 2021

Due to COVID-19 restrictions, CDL has combined the CDL E-Generation Challenge 2020 with 2021.

18 MARCH 2021 – This year marks the 12th edition of the [CDL E-Generation Challenge](#), an annual competition that unearths talented young eco-advocates from Singapore and the ASEAN region.

As the CDL E-Generation Challenge 2020 was put on pause because of COVID-19 travel and safety restrictions, we have combined it with the CDL E-Generation Challenge 2021 on the same topic of “the impact of global deforestation and the importance of protecting biodiversity in Singapore and Asia”. Winners of both challenges will go on a 2-week expedition to Africa and visit Jane Goodall Institute conservation sites to learn more about its work in researching and protecting the region’s biodiversity.

Pending the evolving global developments of COVID-19, the exact date of the trip will be firmed up at a later date. •

CDL Celebrates World Water Day



Pledging our commitment towards water sustainability and to rally the nation to use water wisely, we lit up Republic Plaza’s crown in blue.

CDL invites all CDL staff, our subsidiaries, and CDL tenants to bring themselves a step closer to understanding water’s complex and multidimensional value.

22 MARCH 2021 – Water plays a pivotal role across the world's communities, culture, food, health, education, economies and more. Falling annually on 22 March, [World Water Day](#) was designated by the United Nations to celebrate the importance of water and support the achievement of the United Nations Sustainable Development Goal 6: Water and Sanitation For All by 2030.

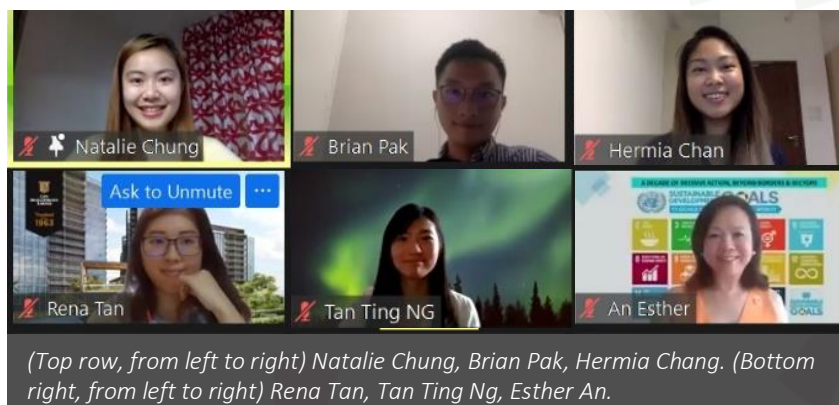
To commemorate World Water Day, the CDL Sustainability Department put together a short quiz for our staff on valuing water. Winners received PUB Singapore (Singapore’s National Water Agency)/CDL souvenirs by answering all questions correctly. •

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 promoting 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 Q1 2021, the VSSA sessions attracted close to 200 attendees. •

Virtual SSA HIGHLIGHTS: 1 January – 30 April 2021



VSSA 18:

Youth4Climate Global Conversations with Young Champions #4

28 January 2021

We kickstarted the year with our fourth Youth4Climate Global Conversations with Young Champions session, spotlighting eco champions from Hong Kong, one of the first Asian countries to make a bold pledge towards net zero. Featuring Natalie Chung, Co-Founder and Director at V'air Hong Kong, Member at Council for Sustainable Development and 2020 Eco-Business Youth A-List; Brian Pak, Business Catalyst at New World Development Company Limited; Hermia Chan, Business Outreach Manager at V'air Hong Kong and Tan Ting Ng, Co-Founder at Heartstrings, this virtual event touched on their journeys driving sustainable consumption, eco-tourism and more • [Watch the recording on our YouTube channel](#)

VSSA 19:

Women Champions in Sustainability

10 March 2021



In celebration of International Women's Day 2021 and its theme **#ChooseToChallenge**, CDL's VSSA and Women4Green Network brought together a panel featuring Patricia Torres, Global Head of Sustainable Finance Solutions, Bloomberg; Trina Liang, Managing Director, Templebridge Investments; Past-President, Singapore Committee for UN Women; Chitra Hepburn, Head of APAC ESG Client Coverage, MSCI; Wong Su Yen, Global Board Director; Professional Speaker; Chairperson, Singapore Institute of Directors; Founder & CEO, Bronze Phoenix Pte Ltd. and moderator Esther An, Chief Sustainability Officer of CDL. This session explored the Bloomberg Gender-Equality Index and the journeys of three C-suite women as they #ChooseToChallenge norms and barriers. • [Watch the recording on our YouTube channel](#)

▶ **For the full list of Virtual SSA recordings, visit [CDL Sustainability YouTube channel](#).**

THOUGHT LEADERSHIP SPEAKING ENGAGEMENTS IN Q1 2021

9 Jan | Youth Action Challenge Season 2 Consult Clinic

18 Jan | NUS Business School—Business with a Social Conscience Class

ESG: Building Sustainable Cities & Communities

19 Jan | Virtual Asia ESG/Renewable Energy Seminar

ESG: Enhancing Business Value in the New Normal

20 Jan | GRI ASEAN Hub & SGX Knowledge Series

Materiality Assessment: Fundamental to Strategic Sustainability Planning and Reporting

20 Jan | Bank of Singapore's Outlook 2021—Beyond 2021: The Great Reset

ESG Greening The Recovery

28 Jan | Sustainability and Circular Economy Webinar

Trends and Developments in Sustainability—Why it Matters for Youths and Young Professionals in Singapore

29 Jan | World Cities Summit 2021 Preview

Public and Private: Joining Forces for Climate Resilience

10 Feb | UNGC Sri Lanka Webinar—Corporate Response to the Climate Emergency

Building Climate Resilience & Sustainability

17 Feb | C-Shark Tank Season 4

Corporate Women in Sustainability

22 Feb | KPMG Client Panel

Market Environment Post-COVID and Key Emerging Themes

2 Mar | Infrastructure Asia Webinar and Closed Door Discussion

Climate Change Consideration for Regional Infrastructure

3 Mar | ULI Annual Conference: The New Reality

Zeroing in on Net Zero Asset Ownership

3 Mar | CEO Engagement on the Relevance of Science-Based Targets

CDL's Decarbonisation and SBTi-setting Journey

9 Mar | Hong Kong University of Science and Technology—MBA Programme

Can Sustainability Best Practices Save Our Planet and People While Creating Prosperity?

9 Mar | APREA's International Women's Day 2021

"Women Who Lead" #ChooseToChallenge

9 Mar | Renewable Energy Markets Asia 2021

Spotlight on Singapore

10 Mar | Singapore University of Social Sciences—Sustainability Marketing Course

Can Sustainability Best Practices Save Our Planet and People While Creating Prosperity—A Business Case on CDL

13 Mar | ASEAN Youth Organisation: Women Empowerment in the Workplace

Advancing Gender Equality for a More Inclusive & Sustainable Future

18 Mar | Deloitte Podcast

Shaping Tomorrow's Smart Sustainable Cities

22 Mar | Sustainable Real Estate: Economics and Business Course at MIT CRE
Can Sustainability Best Practices Save Our Planet and People While Creating Prosperity—A Business Case on CDL

22 Mar | 8th Asia Pacific Forum on Sustainable Development Side Event: Company Action on Climate—Driving Decarbonization through Target Setting
CDL's Strategic Pathway Towards A Low Carbon Future

23 Mar | CITIC CLSA ASEAN Access Month: Zero-Carbon ASEAN
The Business Case Towards a Net Zero Economy

24 Mar | SASB Reporting Workshop
Sustainability Reporting: Communication of ESG Strategy & Value-Creation Performance

31 Mar | CoreNet Global IWD 2021 Event—Celebrating the Singapore Woman
Empower Women for a Sustainable Future

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