



CONSTRUCTION
INDUSTRY COUNCIL
建造業議會



建造業零碳天地

Leading to **CARBON NEUTRALITY**

2023

**CIC-ZERO CARBON PARK
SUSTAINABILITY REPORT**

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CHAIRMEN'S MESSAGES

Construction Industry Council Chairman's Message

As the first zero carbon building in Hong Kong, CIC-Zero Carbon Park (CIC-ZCP) plays a crucial role in supporting the city's ambitious carbon neutrality goals. Serving as an exhibition, education, and information complex, CIC-ZCP stands as a testament to the construction industry's commitment to sustainable development and the green transformation of the built environment. By fostering collaboration and knowledge sharing, we aim to empower industry practitioners and the wider community to embrace sustainable construction methods, ultimately contributing to the realisation of Hong Kong's carbon neutrality targets.

Recognising the importance of digital transformation, CIC-ZCP is also dedicated to demonstrating the latest construction technologies and digital tools, such as Modular Integrated Construction ("MiC"), Multi-trade Integrated Mechanical, Electrical, and Plumbing ("MiMEP"), and Building Information Modelling ("BIM"). Through these innovative solutions, we seek to enhance the industry's competitive strengths, driving greater efficiency, productivity, and sustainability in the construction sector. By championing the adoption of these advanced technologies, we hope to inspire a new generation of construction professionals and propel the industry towards a more digitalised, low-carbon future. Complementing its technical focus, CIC-ZCP is also committed to engaging with the public and raising awareness of the importance of sustainable construction. Through various outreach initiatives and educational programmes, the facility aims to foster greater understanding and appreciation for the role of green buildings in addressing climate change.

Moving forward, CIC-ZCP remains steadfast in its mission to serve as a hub for innovation, collaboration, and industry-driven events that promote construction sustainability. By working closely with industry practitioners, the government, and the wider community, CIC-ZCP will continue to drive the transformation of Hong Kong's built environment, leading the way towards a greener, more resilient, and carbon-neutral city.

Ir Prof. Thomas HO

Chairman, Construction Industry Council



Zero Carbon Building (ZCB) Management Board Chairperson's Message

CIC-ZCP in Hong Kong has been at the forefront of the city's efforts to achieve carbon neutrality and promote sustainable construction practices. Over the past year, we have made remarkable strides in realising our mission and contributing to the broader vision of transforming Hong Kong into a model for sustainable urban development. At the heart of CIC-ZCP's mission is the aspiration to serve as a centralised hub for education, innovation, and collaboration in the field of green building and construction. By leveraging its position as Hong Kong's first zero carbon building, CIC-ZCP has become a beacon of inspiration, empowering industry practitioners, the wider community, and the next generation to embrace sustainable construction methods and technologies.

In 2023, CIC-ZCP has taken significant steps to drive the sustainability agenda forward. One of its flagship initiatives is the New Energy Vehicles Exhibition, which showcases the latest advancements in electric vehicles and innovative energy solutions. Through interactive STEAM car workshops and industry seminars, the exhibition invites people of all ages to embark on a low-carbon journey and explore the potential of new energy technologies. Complementing this, CIC-ZCP's STEAM Lab has emerged as an educational platform that fosters the exploration of innovative construction techniques and industry knowledge. Designed to nurture future talents, the STEAM Lab provides a stimulating environment for hands-on learning and collaborative experiences. Recognising the importance of engaging the wider community, CIC-ZCP has also launched the Green Heroes programme, which encourages active participation in a variety of carbon reduction activities, including interactive workshops since 2022 and activities focused on sustainable development and low-carbon living. These initiatives aim to foster a deeper understanding of the significance of sustainable construction and empower the community to become active agents of change.

In the coming years, we plan to deepen our collaborations with industry partners, the government, and academia to further advance innovation and advocate for sustainable development. Through continued education and public outreach initiatives, we will strive to create an even more dynamic and engaging platform that inspires the next generation to contribute towards a greener, more resilient, and sustainable city. By fostering a spirit of collaboration, CIC-ZCP aspires to make Hong Kong a model for sustainable urban development, demonstrating the power of innovation, determination, and collective action in achieving a greener future for all.

Mr. Ivan FU

Chairperson, Zero Carbon Building Management Board



ABOUT THIS REPORT

Reporting Period, Scope and Standards

Reporting Period

The Sustainability Report (“the Report”) of CIC-ZCP, offers comprehensive insights into our unwavering dedication and effective management strategies in promoting sustainability. Within this report, we provide a summary of our extensive stakeholder engagement exercises and outline the various initiatives undertaken to drive sustainability. The report presents the progress and achievements in sustainability during the reporting period from 1 January 2023 to 31 December 2023.

Reporting Scope

The report encompasses the sustainability performances and achievements of CIC-ZCP throughout the reporting period.

Reporting Standard

This report has been prepared with reference to the guidelines outlined in the Appendix C2: Environmental, Social and Governance Reporting Guide (“ESG Guide”) of The Stock Exchange of Hong Kong (“HKEX”). To ensure their comprehensive disclosure, this report is prepared with reference to the reporting principles mandated by HKEX, namely Materiality, Quantitative, and Consistency. To further enhance the transparency and disclosure within the report, CIC-ZCP also incorporates the Topic Standards of the GRI Universal Standard 2021 (“GRI Standard”).

Contact Details and Feedback

At CIC-ZCP, we highly value the feedback of our stakeholders as we strive for continuous improvement in sustainable development. We welcome your valuable input regarding our sustainability report. For any feedback or inquiries regarding our sustainability report, please contact us at zcp@cic.hk.



CIC-ZCP AT A GLANCE

ABOUT CIC-ZCP

Since its establishment in 2012, CIC-ZCP has pioneered as Hong Kong's first zero carbon building, acting as a test bed for state-of-the-art eco-building design and ongoing technological advancement. Beyond its role as an exhibition and information centre, CIC-ZCP continually optimises its technologies to showcase the importance of green building design both locally and internationally.

CIC-ZCP AT A GLANCE

History of CIC-ZCP

CIC-ZCP emerged as a ground-breaking institution devoted to showcasing the evolution of sustainable building design and technologies, while also promoting low-carbon living in Hong Kong. Since its opening, CIC-ZCP provides a platform for education, information, and inspiration in the realm of low / zero-carbon initiatives. As CIC-ZCP prepares to release its inaugural sustainability report, it stands as a testament to the remarkable progress and achievements made in advancing the principles of zero-carbon living.

CIC-ZCP presents an array of exceptional facilities designed to accommodate a variety of events and exhibitions. Its indoor area encompasses an exhibition area, hallway, and a multi-purpose hall, while the outdoor space offers an urban native woodland, grassland, and an eco plaza.

Adjacent to the indoor exhibition area, the multi-purpose hall provides state-of-the-art amenities and a stunning view of the surrounding green landscape. This versatile space is well-suited for ceremonies, meetings, training sessions, conferences, seminars and exhibitions.



Situated on the ground and mezzanine floor, the exhibition area offers a dedicated space for displaying exhibits and serving various purposes.

Complementing the indoor facilities, CIC-ZCP boasts an extensive outdoor area. This space comprises a combination of paved and grassed areas, allowing for various kinds of events. The outdoor areas provide opportunities for trade fairs, carnivals, exhibitions, and more. The open environment attracts the attention of passers-by, effectively raising awareness in promoting green building and low-carbon living.

With its diverse range of indoor and outdoor facilities, CIC-ZCP offers a dynamic and versatile venue for hosting events and exhibitions, all within a sustainable and environmentally conscious setting.

Sustainability Targets

In line with its commitment to sustainable practices, CIC-ZCP has established sustainability targets by 31 December 2024 to track its progress and achievements. The following shows the goals and achievements set by CIC-ZCP:

- Enhance STEAM education with over 100 schools / NGOs visiting
- Promote clean energy / sustainability-related events initiatives which attract over 50,000 visitors





Mission, Vision and Values



Our Mission

CIC-ZCP plays a multifaceted role as an exhibition, education, and information centre dedicated to low / zero-carbon building design, technologies, and the promotion of low-carbon living in Hong Kong. It serves as a hub for showcasing innovative sustainable practices, providing educational resources, and disseminating valuable information to foster a culture of sustainability.



Our Vision

CIC-ZCP serves as a platform for the local and international construction industry to explore state-of-the-art eco-building design and technologies. It aims to showcase innovative practices that contribute to sustainable development. Additionally, CIC-ZCP plays a crucial role in raising community awareness towards low-carbon living. By disseminating up-to-date information on low / zero-carbon building technologies and promoting green living, CIC-ZCP actively engages with industry stakeholders and fosters knowledge exchange for the advancement of sustainable practices in the built environment.



Our Value

CIC-ZCP functions as a vital platform for the construction industry to exchange knowledge and expertise in the field of low / zero-carbon building design and technologies. It serves as a collaborative space where industry professionals can share their insights and best practices, fostering innovation and driving sustainable development. Moreover, CIC-ZCP plays a crucial role in raising community awareness about the benefits of low-carbon living. By promoting sustainable practices and highlighting the importance of reducing carbon footprint, CIC-ZCP actively engages with and educates the community, empowering individuals to move forward to a greener future.

OUR SUSTAINABILITY APPROACH








Sustainability Strategy

Our sustainable development strategy is centred on promoting environmentally conscious practices and fostering a culture of sustainability.

We are dedicated to reducing our environmental impact and promoting social sustainability through various policy commitments and implementing initiatives to embed these commitments throughout our operations.

CIC-ZCP'S SUSTAINABILITY STRATEGY	FUTURE STRATEGY
<ul style="list-style-type: none"> Engage with and educate the public through community outreach programmes, workshops, and educational campaigns Promote sustainability within the community to combat climate change in alignment with Hong Kong's Climate Action Plan 2050 	<ul style="list-style-type: none"> Collaborate with local schools and universities to promote STEAM education and career opportunities Participate in community service projects to address social needs

In extension to its rigorous sustainability strategy, CIC-ZCP has aligned its sustainability strategy with the United Nation's Sustainable Development Goals ("UNSDGs").

Driving Sustainability	Zero Carbon Design	Operational Excellence
<p>4 QUALITY EDUCATION</p>  <p>We strive to provide the best possible support to educate the public on the importance of sustainability, through engagement events, workshops and guided tours.</p>	<p>7 AFFORDABLE AND CLEAN ENERGY</p>  <p>We make significant effort in providing clean and renewable energy at CIC-ZCP, through renewable energy generation systems.</p>	<p>3 GOOD HEALTH AND WELL-BEING</p>  <p>We ensure the highest level of health and wellbeing at work, by upholding the highest level of Occupational Health and Safety ("OH&S") standards at CIC-ZCP.</p>
<p>9 INDUSTRY INNOVATION AND INFRASTRUCTURE</p>  <p>We provide a platform as test bed to enable innovation of the construction industry, with events showcasing the latest technologies on offer.</p>	<p>13 CLIMATE ACTION</p>  <p>We utilise a number of installations at CIC-ZCP to further reduce our reliance on energy and resources, in our drive towards carbon neutrality.</p>	<p>10 REDUCED INEQUALITIES</p>  <p>We make effort in ensuring a fair and equal workplace for our employees, through our comprehensive labour and employment practices.</p>
<p>17 PARTNERSHIPS FOR THE GOALS</p>  <p>We partner with external organisations to further our efforts in driving sustainable development across the construction industry in Hong Kong.</p>		

Furthermore, we continuously strive to enhance our sustainability performance by conducting regular assessments, setting targets, and implementing innovative solutions. We are committed to integrating sustainability into all aspects of CIC-ZCP's operations and making significant contributions to a greener and more sustainable future.

OUR SUSTAINABILITY APPROACH

Governance Structure

Board Structure

CIC-ZCP is governed by the ZCB Management Board, who are appointed by the Construction Industry Council (“CIC”). Aligned with its mission to promote zero carbon building designs in Hong Kong, the Board is responsible to offer guidance and advise on CIC-ZCP’s operation and development. Additionally, the Board conducts reviews to assess the sustainable performance of CIC-ZCP, ensuring continuous improvement and alignment with sustainability objectives.

Governance structure of CIC-ZCP

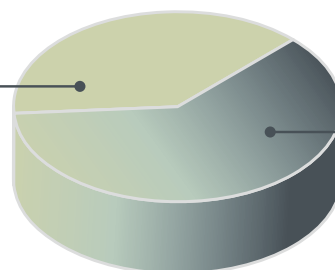


ZCB Management Board

Consist of:

13 MEMBERS

Female Board Members:
5 (38%)



Male Board Members:
8 (62%)

The ZCB Management Board is composed of top green building experts, engineers, and management professionals appointed by the CIC. Our Board Members possess rich professional knowledge and experience in the green building industry, providing effective oversight for CIC-ZCP’s mission.



Mr. Ivan FU
Chairperson



Ir Albert CHENG
Board Member



Ir Geoffrey CHAN
Board Member



Ms. Mimi CHEUNG
Board Member



Ms. Serena CHEUNG
Board Member



Dr. Tony IP
Board Member



Mr. Andrew KWOK
Board Member



Ms. Grace KWOK
Board Member



Cr Terence MANG
Board Member



Ms. Joy SONG
Board Member



Ms. Florine TANG
Board Member



Mr. Rex WONG
Board Member



Ir Ringo YU
Board Member



Mr. Paul CHAN
Advisor



Mr. Paul CHONG
Advisor



Mr. Lawrence NG
Advisor

OUR SUSTAINABILITY APPROACH

CIC-ZCP upholds a strong commitment to maintaining exemplary standards of corporate governance. We firmly believe that good corporate governance is essential for the effective management and seamless operation of our organisation, serving the best interests of all stakeholders and the wider public. By adhering to these principles, we ensure transparency, accountability, and responsible decision-making, fostering trust and confidence in our organisation's practices and outcomes.

Conflicts of Interest

The Board of CIC-ZCP plays a pivotal role in ensuring effective governance and fulfilling its responsibilities. One key aspect is actively addressing conflicts of interest to ensure that decisions are made in the best interests of the organisation and its stakeholders. By carefully managing and mitigating conflicts, the Board upholds its commitment to transparency, integrity, and ethical conduct. They actively address conflicts of interest, ensuring that decisions are made in the best interests of the organisation and its stakeholders.

Communication

The Board of CIC-ZCP also recognises the importance of fostering open communication channels within the organisation. This approach enables the timely communication of critical concerns, allowing for their prompt resolution. By leveraging the collective knowledge and expertise of its members, the Board makes informed decisions that propel the organisation towards its sustainability goals. Furthermore, the Board evaluates its own performance, promoting accountability and continuous improvement.

Stakeholder Engagement

CIC-ZCP recognises the importance of engaging with various stakeholder groups to foster collaboration and gather diverse perspectives. These stakeholder groups include the government, CIC partners, industry partners, and the general public, key opinion leaders ("KOL"), and more. CIC-ZCP employs a range of major engagement channels to facilitate significant interactions.

Engagement Channel

The engagement channels for stakeholder engagement

 General Public <ul style="list-style-type: none"> • CIC-ZCP Sustainability Report • Public Engagement Events • Public Activities • Social Media • CIC-ZCP Website 	 Industry Partners <ul style="list-style-type: none"> • Public Engagement Events • Exhibitions 	 Employees <ul style="list-style-type: none"> • Staff Event • Staff Relation Units • Questionnaires
 Government and Regulatory Authorities <ul style="list-style-type: none"> • Focus Group Meetings 	 CIC Members <ul style="list-style-type: none"> • Board Meetings • Industry and Public Engagement Events 	 Media <ul style="list-style-type: none"> • Social Media • CIC-ZCP Website • Press Releases

Materiality Assessment

Through comprehensive stakeholder engagement exercises, we have identified 17 key sustainability issues and categorised them based on their impact. Based on a materiality assessment, we have identified 17 material topics that are emphasised in this sustainability report.

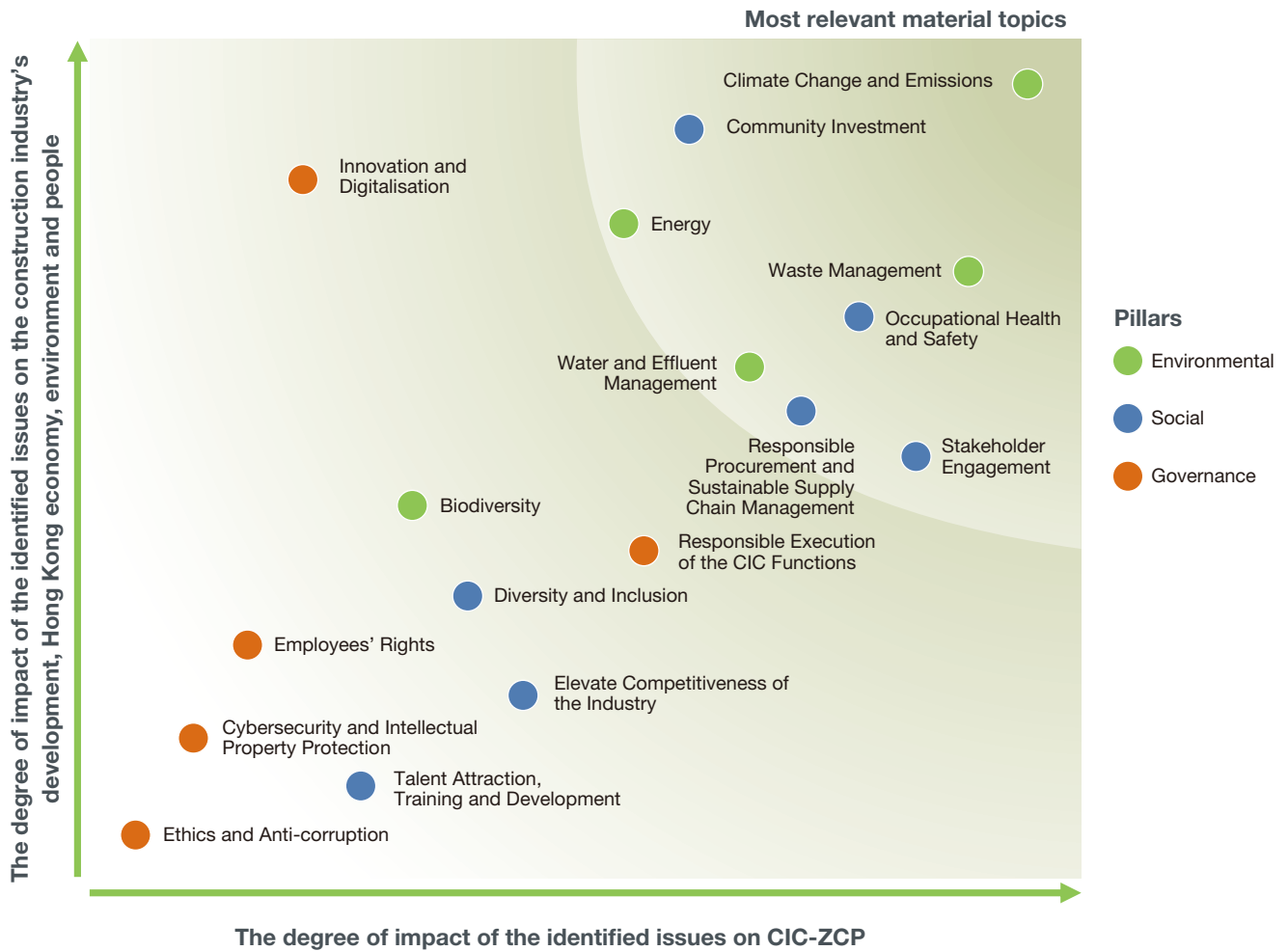
Pillars	Material Topics Identified	Definition
Environmental	Climate Change and Emissions	Accelerating climate actions and managing emissions of greenhouse gases and pollutants.
	Energy	Enhancing energy efficiency and transitioning to a higher proportion of renewable energy.
	Waste Management	Reducing waste generation, diverting generated waste from landfills and promoting circularity.
	Water and Effluent Management	Promoting sustainable usage of water and discharge of wastewater.
	Biodiversity	Managing impact to ecosystems and fostering restoration of biodiversity.
Social	Responsible Procurement and Sustainable Supply Chain Management	Promoting responsible and environmentally-friendly sourcing of resources.
	Community Investment	Bringing positive influence on local communities through philanthropy.
	Talent Attraction, Training and Development	Attracting talents, equipping talents with relevant skills, and fostering career development.
	Occupational Health and Safety	Promoting health, safety, and well-being at work.
	Diversity and Inclusion	Promoting a culture of respecting different values, accommodating needs and providing equal opportunities in CIC-ZCP and the Industry.
	Stakeholder Engagement	Engaging stakeholders to forge consensus, promote good practices and enhance the cohesiveness of the construction industry.
	Elevate Competitiveness of the Industry	Elevate competitiveness of the construction industry by fostering long-term development, co-operations and support.

OUR SUSTAINABILITY APPROACH

Pillars	Material Topics Identified	Definition
Governance	Employees' Rights	Upholding human rights principles, such as employee rights, through commitments, due diligence and mitigation actions.
	Innovation and Digitalisation	Accelerating development and adoption of innovative techniques and technology for construction works.
	Ethics and Anti-corruption	Complying with laws and regulations, adhering to applicable code of conduct as well as preventing corruption.
	Responsible Execution of the CIC Functions	Carrying out the functions of CIC-ZCP to a high standard, such as fostering industry and government communications, formulating codes of conduct, administering schemes, steering research and development, and facilitating adoption of standards.
	Cybersecurity and Intellectual Property Protection	Protecting IT infrastructure and information security management system from cyber threats and data breaches, and upholding intellectual property rights.

To understand our stakeholders' views on the impact materiality of the above identified topics, a series of focus groups and interviews were hosted, and online surveys were circulated to the stakeholders of CIC-ZCP. Their feedbacks from the stakeholder engagement activities were utilised for the development of the materiality matrix for CIC-ZCP.

Materiality Matrix



Notably, we have been proactive in aligning our initiatives with the most relevant material topics that directly impact our operations, focusing our concerted efforts on addressing these significant issues to drive meaningful change and sustainability within CIC-ZCP. These efforts include the implementation of renewable energy features at CIC-ZCP to tackle climate change and emissions, raising public awareness of circularity through initiatives like the Green Market of Construction Month 2023 for waste management, supporting our community through programs like the Green Heroes Programme for community investment, promoting renewable and clean energy transportation awareness through New Energy Vehicles Exhibition for energy initiatives, providing In-house Safety Rules and Contractor's Safety Requirements for occupational health and safety, engaging our industry and the public in the annual Construction Month 2023 event for stakeholder engagement, implementing landscaping, microclimate, and water management systems for water and effluent management at CIC-ZCP, and strictly adhering to CIC's centralised procurement system for responsible procurement and sustainable supply chain management.

DRIVING SUSTAINABILITY



Our Commitment

CIC-ZCP is committed to promoting sustainability and zero carbon practices to the general public of Hong Kong through engagement events such as exhibitions, guided tours, collaborations and research programmes, educational programmes and community engagement.

The construction industry holds significant environmental impacts, and we recognise our responsibility in showcasing sustainable alternatives to mitigate these effects. By exemplifying sustainable and zero carbon practices, CIC-ZCP aims to enhance the understanding of sustainability and zero carbon concepts among the public, fostering a collective effort towards a sustainable direction through continued initiatives and engagement, we strive to further enhance sustainability and zero carbon understanding, empowering individuals and organisations to actively contribute to a more sustainable community.

Our commitment in engaging with the public has culminated in a number of successful events in 2023, such as the New Energy Vehicles Exhibition, Green Heroes Programme, and our annual signature events such as Construction Month 2023 and the Green Partners Programme. These engagement events helped CIC-ZCP to serve as a place for knowledge sharing, networking, and collective action towards a more sustainable built environment.

Engaging with the Public

CIC-ZCP actively seeks to engage the public through a range of initiatives, such as exhibitions, guided tours, and other community engagement events, that promote sustainable development. As a centre for exhibition, education, and information, CIC-ZCP is dedicated to extending the understanding of low-carbon practices and advanced green building technologies beyond the construction industry and into the wider community.



45,000

VISITORS

attracted by CIC-ZCP's clean energy / sustainability-related events / initiatives in 2023.



Green Building and Sustainable Exhibition

CIC-ZCP's Sustainable Exhibition Centre serves as a platform to showcase the blueprint and essential components of sustainable city development. It encompasses various aspects such as promoting a low-carbon lifestyle, embracing renewable energy, emphasising green building design, and encouraging the upcycling of construction materials.

Through a range of interactive games, guided tours, and educational workshops, CIC-ZCP aims to engage and inspire members of the public. By fostering awareness and understanding, the exhibition encourages collective action towards the shared goal of achieving carbon neutrality by 2050.

I believe that it is essential to strike a balance between economic growth and job creation while prioritising sustainability. Our climate action plan is aligned with the climate action chain, and we actively promote a circular economy that emphasises recycling and minimising environmental impacts. Moreover, we recognise the significance of technology advancements in creating employment opportunities and driving economic development.

*Mr. Ivan FU
Chairperson, Zero Carbon Building Management Board*

DRIVING SUSTAINABILITY

New Energy Vehicles Exhibition

CIC-ZCP collaborates with various sectors to organise the “New Energy Vehicles Exhibition”, a significant step towards achieving carbon neutrality by 2050. The exhibition showcases brand-new electric vehicles and innovative new energy solutions powered by ammonia and solar energy, demonstrating the vast potential for new energy vehicles development. With interactive STEAM car workshops, photo spots, and engaging booth games, people of all ages can embark on a low-carbon journey. The three-day event also includes EV seminars for industry practitioners and enthusiasts to exchange insights, while children can enjoy the thrill of driving mini-electric construction vehicles in a simulated construction site.



“The New Energy Vehicles Exhibition is really inspiring for my kids. We came to the events in the hope that our kids can see some of the latest EV technologies that are in place in Hong Kong. The event was eye-opening for my kids in this realm of technology, and the journey in driving carbon neutrality”.

Kaka, a mother who has participated in the event with her kids



Exhibitors

- **Hyundai** – IONIQ 6
- **Jockey Club “Look For Green” Mobile Recycling Programme** – Look For Green Advertising Truck
- **Kia** – Niro EV
- **Maxus** – MIFA 9 Premium
- **New Energy Asia Pacific** – Electric Wheel Loader
- **Nissan** – LEAF
- **Schneider Electric** – EVlink™ Pro AC EV Charger
- **Shun Hing New Energy Co., LTD** – Electric Public Light Bus
- **The Hong Kong Polytechnic University** – Ammonia-powered Golf Cart and Minibus
- **Volkswagen** – ID.4
- **VTC Solar Car Team** – Solar Car SOPHIE 6s



OVER
10,000
of FOOTFALL at the EVENT.

As a pioneer in sustainable practices, CIC-ZCP actively promotes the adoption of zero carbon initiatives during events held at our venues. We believe in empowering and educating event organisers and participants to take personal responsibility for their carbon emissions, requiring venue users to purchase renewable energy to offset their carbon footprint.

Dr. Tony IP

Member, Zero Carbon Building Management Board

DRIVING SUSTAINABILITY



Architectural Aesthetics Art Exhibition

CIC-ZCP is committed to promoting sustainable architecture and green building design. In line with this vision, we are delighted to collaborate with the local environmental art group, &dear, to present an animal-themed art exhibition titled “Upcycled Plastic X Nature: The Aesthetics of Architecture”. This exhibition explores the fascinating world of animal architects and their habitats, shedding light on the unique architectural wonders created by various species. Through the incorporation of upcycling concepts, the exhibition aims to raise public awareness about environmental and animal conservation issues. By showcasing creative and thought-provoking artworks, the exhibition invites visitors to appreciate the hidden beauty and intricate designs found in nature’s architecture. Through this artistic journey, we aim to inspire a fresh perspective on the connection between animals, their habitats, and the aesthetic allure of the natural world.

“As the Chairman of the CIC, I will spare no effort in seizing the promising future by fully embracing the opportunities ahead and leading the industry in meeting people’s needs and aspirations for a better quality of life, creating a community that enhances people’s well-being and environmental sustainability.”

Ir Prof. Thomas HO – CIC’s Chairman



Guided Tours

CIC-ZCP welcomes both industry practitioners and the general public to visit our facilities. Guided tours are available to provide visitors with a comprehensive understanding of our sustainable initiatives.



1,032 GUIDED TOURS in 2023.



TOTAL 19,316 VISITORS.

CIC-ZCP is such a unique place in the heart of Hong Kong. It is not often that you can find a space that allows people to come together and learn about ideas of sustainability and net-zero, while supporting some of our local small and medium enterprises (“SMEs”) in the process.

Asta, a parent of a young participant of CIC-ZCP's engagement events

STEAM Lab

CIC-ZCP's STEAM Lab is an educational platform designed to foster exploration of innovative construction techniques, industry knowledge, and the development of future talents in construction innovation, all with the aim of advancing carbon neutrality. It provides four zones for hands-on learning and collaborative experiences. Through interactive activities and educational programmes, the STEAM Lab nurtures a passion for sustainable construction practices and equips young minds with the skills and knowledge needed to contribute to a greener future.



DRIVING SUSTAINABILITY



Gear Zone

The Gear Zone provides the opportunity for participants to roleplay the different professionals in the construction industry, including surveyors, architects, engineers and others, and engage in small groups by interactive games to complete assigned role tasks together. The participants can experience the daily work of different roles in the industry, enhancing their understanding of the industry, and learning about the application of the equipment and tools.

DIY Zone

In the DIY Zone, participants can explore new environmentally-friendly building materials, such as 3D printed concrete, eggshell decorative bricks, bamboo and apple leather made of bio-based leftover pomace and peel. In addition, the DIY Zone also features two 3D scanners that utilise Point Cloud and Mesh scanning technology, enabling participants to try out the latest technology used for conservation treatment by scanning objects and producing a 3D model of the conservation project.



THE STEAM LAB
HAS **CONDUCTED 270** TOURS IN 2023,
covering P4-P6 primary and S1-S3 secondary students and educators.



26 SCHOOLS / NGOS visits to STEAM Lab in 2023.



Interactive Zone

The construction industry utilises digital technologies like Digital Twin and Building Information Modelling (“BIM”) to improve productivity. BIM assists in project management, streamlines construction processes, facilitates collaboration, supports decision-making, and manages building information throughout the lifecycle. In the Interactive Zone, participants can utilise VR headsets to explore the various signature sites across Hong Kong with BIM, and learn more about the applications of BIM in the construction industry.

Robotics Zone

The Robotics Zone provides a hands-on learning experience, transforming into a miniature construction site where participants can enhance their knowledge. Through team-based activities, participants will control construction vehicles. The exhibition area will feature cutting-edge mechanical arm devices and vacuum pump technology for immersive, simulated mechanical experiences that blend education.



DRIVING SUSTAINABILITY



iHub Tour

The “iHub” guided tours offer an immersive experience that connects visitors with four exhibition centres of the CIC, allowing them to explore the latest technological advancements and industry developments through our guided tours.



**CIC-Zero
Carbon Park**

**MiC
Resources
Centre**





Construction Innovation and Technology Application Centre (CITAC)



CIC Digital Twin Hub



iHub CONDUCTED 642 TOURS IN 2023,
for visitors including industry professionals, students and the general public.

DRIVING SUSTAINABILITY



Biodiversity

CIC-ZCP offers a comprehensive environment for the public to appreciate and understand the importance of biodiversity. Participants are accompanied by our knowledgeable tour guides, providing insights into the diverse biodiversity present. Through these efforts, CIC-ZCP aims to raise awareness and appreciation for biodiversity, showcasing the invaluable role it plays in our ecosystem.



OVER
200

different varieties of flowers and trees in CIC-ZCP's Urban Native Woodland.

CIC-ZCP is an amazing showcase of urban biodiversity. This place contains various biodiversity features such as the lotus pond and koi pond, which my kids love to spend time at. We also had an amazing bird watching here. Most importantly, the guides at CIC-ZCP really gave a great insight into the biodiversity aspect of the place, enabling my kids and I to learn more during our visit here.

Shion, a parent who has participated in the guided tour at CIC-ZCP

Engaging with the Construction Industry and Partners

We understand the importance of collaboration and partnerships in achieving our sustainability goals. To foster meaningful engagement with the construction industry and other stakeholders, we have implemented annual signature event Construction Month in 2023. This initiative serves as platforms for knowledge sharing, networking, and collective action towards a more sustainable built environment.



Construction Month 2023

CIC-ZCP organises the highly anticipated annual campaign “Construction Month” in November 2023. With the overarching theme of “Build Green, Live Green”, the campaign features a series of captivating events. These events create an exceptional platform to unite and inspire both the construction industry and the general public to embark on the journey towards achieving carbon neutrality.

We actively engage the public in embracing a low-carbon living experience through a diverse array of exciting events.

DRIVING SUSTAINABILITY



Green Market

CIC-ZCP recognises that fostering behavioural change is crucial to the success of sustainable development. To this end, we have implemented initiatives that encourage eco-friendly practices among the wider community. The ZCP Green Market was a barter market where participants could exchange second-hand goods onsite, without the need for price listing. The market effectively promoted public understanding of the importance of reuse and upcycling, heightened awareness about the need for waste reduction, and successfully encouraged participants to engage in upcycling practices.



Robotics x STEAM Construction Day Camp





In addition to the aforementioned initiatives, more activities were held throughout the Construction Month:

- ZCP Green Heroes Acknowledgement Ceremony cum Obstacle Race
- Explore Kowloon East Green Tour
- Upcycling Green Workshop

Percussion Instruments Marathon

Green Music Flash Mob

We recognise the pressing need to vigorously promote the reduction of embodied carbon, particularly within the construction industry, as part of our institutional obligation. CIC-ZCP is committed to taking significant strides in advancing circular economy practices to effectively tackle embodied carbon and drive sustainable development.

Ir Geoffrey CHAN
Member, Zero Carbon Building Management Board



OVER 30,000 individuals participated in the Construction Month 2023.

DRIVING SUSTAINABILITY



Green Partners Programme

CIC-ZCP's Green Partners Programme is designed to actively support green initiatives that promote low-carbon living and sustainable development within CIC-ZCP. The Green Partners Package offers Green Partners exclusive privileges, allowing them to expand their brand visibility and commitment in ESG through extensive online and offline exposure opportunities and at the same time contributing to the remarkable development of CIC-ZCP. The programme aims to foster collaboration and recognition for organisations committed to sustainable practices and encourages their active involvement in promoting a greener future within CIC-ZCP.



Lingnan University's Mosquito Control Pilot Scheme

CIC-ZCP supported the Lingnan University in the Mosquito Control Pilot Scheme, which serves as a part of the Innovation Technology Fund project for "A Smart Intelligent GeoAI Solution to Predict & Tackle Mosquito-borne Diseases in Hong Kong" since 2022.

The scheme develops a series of intelligent mosquito killer lamps and wireless intelligent weather stations across Hong Kong in order to provide real-time interactive information on mosquito activities. The devices utilise AIoTs and Geospatial Artificial Intelligence ("GeoAI") to monitor, predict, and develop a real-time and predictive mosquito monitoring solution for Hong Kong. The devices serve to provide vital information for the 8-level Mosquito Risk Index ("MRI") and real-time interactive dashboard, which is able to forecast mosquito occurrence up to 3 days in advance.

Community Engagement

To promote low-carbon living and sustainable development within the construction industry and broader community, NGOs, and industry stakeholders to organise events and activities that align with its vision.



20 Venue sponsored events.



Engaged around 15,680 PEOPLE.



Green Heroes Programme

CIC-ZCP has introduced the “ZCP Green Heroes” educational programme, engaging and inspiring primary and secondary school students as future leaders of our community since 2022. The programme aims to encourage their active participation in a variety of carbon reduction activities organised by CIC-ZCP, including interactive dramas, workshops and activities, through which students can gain a deeper understanding of the significance of sustainable development.

The Easter STEAM Carnival also offers an exciting array of interactive events. Students can immerse themselves in a series of engaging activities, including the Upcycling Enzyme Multi-purpose Cleaner, “Saving the Egg” Education Camp, Upcycling Coffee Capsule Accessories, DIY Concrete Coasters, and the Solar Car “Up” grade Journey. These events provide a platform for participants to explore the STEAM journey while promoting sustainable development.



The 2nd ZCP Green Heroes Award Presentation Ceremony held in 2023



OVER 12 exclusive events for Green Heroes in 2023.
The number of participants reaches over 3,000, nearly double compared to 2022.

ZERO CARBON DESIGN



Our Commitment

Management Approach

As Hong Kong's first zero carbon building, CIC-ZCP serves as a multifunctional centre for exhibition, education, and information, dedicated to promoting green building design and fostering a low-carbon lifestyle. Through the showcase of advanced technologies and sustainable practices, CIC-ZCP actively contributes to the government's energy-saving objectives, working towards a more sustainable and eco-friendly future for Hong Kong.

Zero Carbon Design

What is CIC-ZCP

What is a Zero Carbon Building?

A Zero Carbon Building is conceived based on CIC's mission to design a building that showcases the viability of zero carbon building concepts for the construction industry of Hong Kong to follow, as well as to educate the public on such concepts. CIC-ZCP showcases the strategy for accomplishing energy conservation goals and curbing greenhouse gas emissions, especially in the context of Hong Kong where buildings account for 90% of the city's carbon emissions, with 66% coming from electricity generation. In recent years, there has been a notable surge in interest around low / zero-carbon buildings across numerous countries, as they serve as a significant approach to address the pressing challenges of reducing environmental impact by prioritising energy efficiency and incorporating renewable energy sources. As Hong Kong works towards its ambitious climate targets, including reaching carbon neutrality by 2050, the widespread adoption of zero carbon building practices will be essential to driving down the city's overall greenhouse gas emissions and leading the way towards a more sustainable built environment.

How the Building Works

CIC-ZCP is an attempt at creating a zero-carbon environment that integrates work, education and social well-being. It is designed to address challenges in achieving zero-carbon to allow the industrial practitioners and general public to explore and understand sustainability design practices. Apart from compliance to the building energy code, CIC-ZCP explores passive design opportunities to reduce the reliance on mechanical system. Under circumstances where mechanical systems are required, systems with high efficiency are selected. Eventually, the adoption of on-site renewable energy is adopted to meet any unavoidable energy consumption.

CIC-ZCP's Design Strategy

Active Systems

Active systems encompass the electrical and mechanical components within a building, including HVAC (heating, ventilation, and air conditioning) systems and lighting systems. CIC-ZCP incorporates energy-efficient active systems, which the implementation of these advanced systems contributes significantly to the overall energy savings achieved by same page, further solidifying its position as a model for sustainable building design. Some of the most notable active features incorporated at CIC-ZCP are as follows:



ZERO CARBON DESIGN

Passive Design

The passive design approach encompasses various aspects of a building's structure, including its orientation, window placement, skylight installation, insulation, and choice of building materials, or specific elements of a building, such as windows and window shades. By strategically implementing these measures, CIC-ZCP maximises natural resources, showcasing its commitment to sustainable building practices and energy efficiency.



Cross-Ventilated Layout



Earth Cooling Tube



Insulated Roof



North Glazing



External Shading



Light Pipes



High Performance Glazing System



Wind Catcher



Light Shelves

ZERO CARBON DESIGN

Renewable Energy

At CIC-ZCP, renewable energy is harnessed on-site through the utilisation of solar energy via photovoltaic ("PV") panels and biofuel derived from waste cooking oil, which falls under the category of biomass.



Wind Turbine



Photovoltaics



Biodiesel Tri-generation



Air Improvement Photovoltaic ("AIPV") Glass Canopy

Landscaping, Microclimate and Water Management Systems

All eco-toilets in CIC-ZCP are furnished with low-flow sanitaryware and greywater recycling systems for sustainable water usage. To further conserve water, stormwater harvesting and water-efficient irrigation systems are adopted, effectively reducing water consumption for irrigation purposes. Moreover, a constructed wetland with subsurface flow is seamlessly integrated.



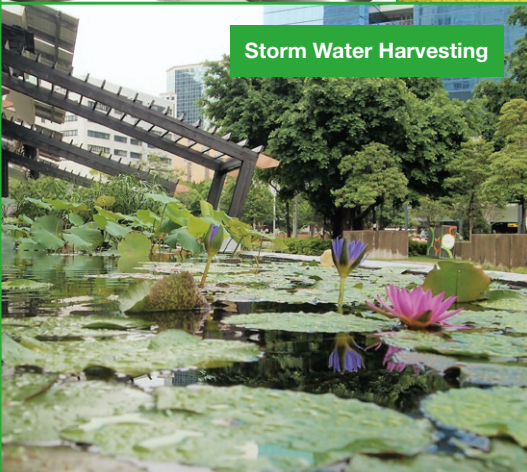
Constructed Wetland



Water-efficient Fixtures



Microclimate Monitoring Stations



Storm Water Harvesting



Urban Native Woodland



Green Walls



Drip Irrigation



Green Coverage

ZERO CARBON DESIGN

Low Carbon Construction and Materials

CIC-ZCP implemented construction processes aimed at reducing energy consumption and minimising carbon emissions. The excavation works for the basement and the filling of the urban native woodland employed a balanced cut and fill construction method, optimising the use of materials. Embracing a lean construction approach, we prioritised resource conservation by utilising fair-faced concrete and unpainted metal works. Additionally, the construction of the gabion wall utilised salvaged construction debris from demolition, further reducing waste and promoting sustainable practices.



Since 2012, CIC-ZCP has been a pioneer in zero carbon building design, and it continues to maintain a high standard of performance. In 2023, the building achieved the prestigious BEAM Plus Existing Building Platinum certification. This certification is the highest level attainable under the BEAM Plus green building rating system, recognising CIC-ZCP's excellence across various sustainability categories.





MiC Play Unit 2

CIC-ZCP has recently enhanced the “MiC Play Unit 2” by incorporating sustainable materials. This innovative community play unit showcases the adaptability and versatility of MiC architecture through the use of hexagonal-shaped, pre-fabricated, and ready-made MiC components. By creating a sustainable and family-friendly communal space, it provides an opportunity for the public to witness firsthand the endless possibilities of MiC. Moreover, parents can utilise this space to educate the younger generation about the remarkable potential of MiC in shaping a sustainable future. The upgraded “MiC Play Unit 2” not only highlights the benefits of sustainable construction but also facilitates engaging and educational experiences for visitors of all ages.



In the past, we have spared no effort to reduce carbon emissions by introducing a number of innovative construction technologies and methods. In addition to the joint efforts of the industry, promoting a low-carbon lifestyle to the community is also essential.

Ir Albert CHENG – CIC's Executive Director



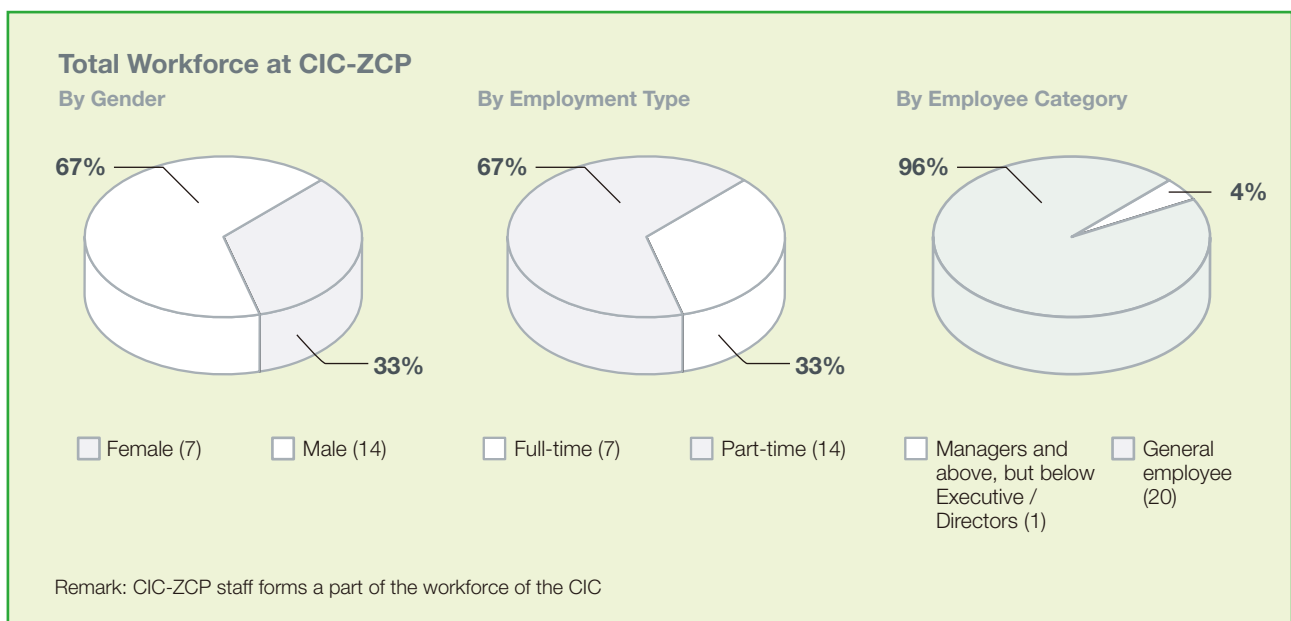
OPERATIONAL EXCELLENCE



Our Commitment

CIC-ZCP is fully committed to maintaining the highest operating standards across its internal operations. CIC-ZCP recognises the potential impacts arising from its operations and takes proactive steps to minimise them. This includes implementing robust policies, procedures, and training programs to promote a safe and inclusive work environment. We strive to uphold our commitment to excellence and ensure the well-being of its employees, stakeholders, and the environment.

Employees Statistics



Occupational Health and Safety (OH&S)

Occupational Health and Safety Management System and Policies

CIC-ZCP has been entrusted with several key functions related to OH&S. These include promoting exemplary practices within the construction industry concerning OH&S to enhancing construction quality. These efforts are reflecting our commitment to fostering a safe, environmentally conscious, and sustainable construction sector through various initiatives.

CIC-ZCP has implemented a number of policies to ensure a strong OH&S standard across our operations. The policies implemented address the OH&S issues that arised in our operations, our external events with the public, and the maintenance works undertaken. The OH&S requirements for any contractors operating at CIC-ZCP are set out under CIC's "Contractor's Safety Requirements" and "In-House Safety Rules for the Construction Industry Council".

**OH&S requirements set out under CIC's "Contractor's Safety Requirements"
and "In-House Safety Rules for Construction Industry Council"**



OH&S Measures

At CIC-ZCP, OH&S measures have been meticulously implemented and closely monitored to create a secure environment for employees, visitors, and stakeholders. These measures encompass a comprehensive range of practices designed to mitigate workplace hazards, promote safe work practices, and prevent accidents or injuries. Regular inspections, risk assessments, and safety training programmes are conducted to enhance awareness and compliance with OH&S regulations.

We have set out a number of strategies to ensure that CIC-ZCP can uphold the highest OH&S standards in our operation. Our employees are required to complete a standard checklist of equipment before commencement of work, to ensure that the employees are upholding the highest safety standards across our operations, which are accessible for them through CIC's Corporate Safety Library.

Moreover, we have also provided a series of safety self-learning packs for manual works and office works, so that our employees can refresh their memories on the OH&S practices to be followed at work.

Self-learning available for our employees

Use of PPEs

Teaches our employees on the types and functions of the PPEs for site works, as well as the appropriate actions to maintain the PPEs in proper working condition.

Manual Handling Safety

Demonstrates the correct procedures for the handling of heavy materials to ensure safety, and the steps to ensure such are being implemented.

Office Health and Safety

Advise our employees on the correct OH&S practices in offices, including the checking of office equipment, appropriate seating postures and display screen positioning.

OPERATIONAL EXCELLENCE

Labour Practices

At CIC-ZCP, staff well-being and support are integral to fostering a positive work environment. A variety of staff support initiatives have been implemented to ensure the holistic well-being of employees. Examples include the provision of counselling services, the establishment of internal bonding clubs and activities, and the organisation of workshops aimed at personal and professional development. These initiatives serve as case studies showcasing CIC-ZCP's commitment to supporting and nurturing its workforce. In addition, as part of the CIC, CIC-ZCP actively participates in awards and pledges that recognise good employment practices, further demonstrating the organisation's dedication to creating a supportive and rewarding work culture.

Employee Development

Nurturing the growth and development of our employees is a fundamental pillar of CIC-ZCP. We believe in empowering our staff with the necessary skills and knowledge to excel in their roles and contribute to our collective success. To achieve this, we offer a comprehensive range of training programmes. These training initiatives encompass a variety of areas, including technical skills, leadership development and communication. We also provide opportunities for continuous learning and professional growth through workshops, seminars, and online courses. By investing in our employees' development, we foster a culture of excellence, innovation, and continuous improvement.

Green Procurement and Supply Chain Management

CIC-ZCP prioritises environmentally friendly practices through its green procurement requirements. These requirements encompass the sourcing and acquisition of goods and services that meet specific sustainability criteria. CIC-ZCP's procurement systems are operated under the umbrella of CIC's centralised procurement system, which streamlines and standardises purchasing processes across the organisation. This centralised approach not only promotes efficiency but also enables consistent implementation of green procurement practices throughout CIC-ZCP's operations.



70

of suppliers engaged in 2023.

Cybersecurity and Intellectual Properties Rights

At CIC-ZCP, robust cybersecurity have been established to safeguard sensitive information and protect customer privacy. Stringent measures are in place to prevent unauthorised access, data breaches, and cyber threats. These protocols include regular security audits, encryption of customer data, implementation of firewalls and intrusion detection systems, and strict access controls. Customer details and privacy are handled with the utmost care and confidentiality. CIC-ZCP adheres to industry best practices and complies with relevant data protection regulations to ensure that customer information remains secure.

Furthermore, we also uphold the highest standards in our practices to protect intellectual property rights. We have set out strict rules for our contractors of our engagement events to ensure their practices are aligned with our intellectual rights protection requirements. We require our contractors to provide evidence for clearance of copyright issues and obtain necessary licences of musical arrangement for the service provided to CIC-ZCP.



0

cases of data breaches recorded in 2023.

Ethical Governance and Anti-corruption

We are committed to maintaining the highest standards of integrity and transparency. We have established a Code of Conduct with clear guidelines on ethical conduct, conflict of interest, bribery, and gifts handling, etc. We encourage employees to report any suspected misconduct through a safe and confidential whistle-blowing channel, which enables employees to raise concerns or report instances of corruption. We take all reports seriously and ensures that appropriate investigations are conducted, and necessary actions are taken to address any identified issues.



100%

of employees have received anti-corruption training.

Appendix

HKEX Appendix C2 Index

A. Environmental		Location of Disclosure
Aspect A1: Emissions		
General	General Disclosure Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to air and greenhouse gas emissions, discharges into water and land, and generation of hazardous and non-hazardous waste.	Zero Carbon Design
KPI A1.1	The types of emissions and respective emissions data.	CIC-ZCP is aiming to disclose the information in the near future.
KPI A1.2	Direct (Scope 1) and energy indirect (Scope 2) greenhouse gas emissions (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	CIC-ZCP is aiming to disclose the information in the near future.
KPI A1.3	Total hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	CIC-ZCP is aiming to disclose the information in the near future.
KPI A1.4	Total non-hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility).	Zero Carbon Design
KPI A1.5	Description of emissions target(s) set and steps taken to achieve them.	CIC-ZCP is aiming to disclose the information in the near future.
KPI A1.6	Description of how hazardous and non-hazardous wastes are handled, and a description of reduction target(s) set and steps taken to achieve them.	CIC-ZCP is aiming to disclose the information in the near future.

A. Environmental		Location of Disclosure
Aspect A2: Use of Resources		
General	Policies on the efficient use of resources, including energy, water and other raw materials.	Zero Carbon Design
KPI A2.1	Direct and/or indirect energy consumption by type (e.g. electricity, gas or oil) in total (kWh in '000s) and intensity (e.g. per unit of production volume, per facility).	CIC-ZCP is aiming to disclose the information in the near future.
KPI A2.2	Water consumption in total and intensity (e.g. per unit of production volume, per facility).	CIC-ZCP is aiming to disclose the information in the near future.
KPI A2.3	Description of energy use efficiency target(s) set and steps taken to achieve them.	CIC-ZCP is aiming to disclose the information in the near future.
KPI A2.4	Description of whether there is any issue in sourcing water that is fit for purpose, water efficiency target(s) set and steps taken to achieve them.	CIC-ZCP is aiming to disclose the information in the near future.
KPI A2.5	Total packaging material used for finished products (in tonnes) and, if applicable, with reference to per unit produced.	CIC-ZCP does not produce any products that require packaging.
Aspect A3: The Environment and Natural Resources		
General	Policies on minimising the issuer's significant impacts on the environment and natural resources.	Zero Carbon Design
KPI A3.1	Description of the significant impacts of activities on the environment and natural resources and the actions taken to manage them.	Zero Carbon Design
Aspect A4: Climate Change		
General	Policies on identification and mitigation of significant climate-related issues which have impacted, and those which may impact, the issuer.	Zero Carbon Design
KPI A4.1	Description of the significant climate-related issues which have impacted, and those which may impact, the issuer, and the actions taken to manage them.	Zero Carbon Design

B. Social		Location of Disclosure
Employment and Labour Practices		
Aspect B1: Employment		
General	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to compensation and dismissal, recruitment and promotion, working hours, rest periods, equal opportunity, diversity, anti-discrimination, and other benefits and welfare.	Operational Excellence
KPI B1.1	Total workforce by gender, employment type (for example, full- or parttime), age group and geographical region.	Operational Excellence
KPI B1.2	Employee turnover rate by gender, age group and geographical region.	Operational Excellence
Aspect B2: Health and Safety		
General	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to providing a safe working environment and protecting employees from occupational hazards.	Operational Excellence
KPI B2.1	Number and rate of work-related fatalities occurred in each of the past three years including the reporting year.	Operational Excellence
KPI B2.2	Lost days due to work injury.	Operational Excellence
KPI B2.3	Description of occupational health and safety measures adopted, and how they are implemented and monitored.	Operational Excellence

B. Social		Location of Disclosure
Employment and Labour Practices		
Aspect B3: Development and Training		
General	<p>Policies on improving employees' knowledge and skills for discharging duties at work. Description of training activities.</p> <p><i>Note: Training refers to vocational training. It may include internal and external courses paid by the employer.</i></p>	Operational Excellence
KPI B3.1	The percentage of employees trained by gender and employee category (e.g. senior management, middle management).	Operational Excellence
KPI B3.2	The average training hours completed per employee by gender and employee category.	Operational Excellence
Aspect B4: Labour Standards		
General	<p>Information on:</p> <p>(a) the policies; and</p> <p>(b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to preventing child and forced labour.</p>	Operational Excellence
KPI B4.1	Description of measures to review employment practices to avoid child and forced labour.	CIC-ZCP strictly follows Hong Kong's Employment Ordinance, Chapter 57, and the Hong Kong Bill of Rights in its operations, prohibiting the employment of child or forced labours.
KPI B4.2	Description of steps taken to eliminate such practices when discovered.	<p>CIC-ZCP strictly follows Hong Kong's Employment Ordinance, Chapter 57, and the Hong Kong Bill of Rights in its operations, prohibiting the employment of child or forced labours.</p> <p>No issues regarding the employment of child or forced labours were identified in our operations in the reporting year.</p>

B. Social		Location of Disclosure
Operating Practices		
Aspect B5: Supply Chain Management		
General	Policies on managing environmental and social risks of the supply chain.	Operational Excellence
KPI B5.1	Number of suppliers by geographical region.	Operational Excellence
KPI B5.2	Description of practices relating to engaging suppliers, number of suppliers where the practices are being implemented, and how they are implemented and monitored.	Operational Excellence
KPI B5.3	Description of practices used to identify environmental and social risks along the supply chain, and how they are implemented and monitored.	The environmental and social risks along the supply chain of CIC-ZCP are managed by the procurement practices and guidelines of the CIC.
KPI B5.4	Description of practices used to promote environmentally preferable products and services when selecting suppliers, and how they are implemented and monitored.	Operational Excellence
Aspect B6: Product Responsibility		
General	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to health and safety, advertising, labelling and privacy matters relating to products and services provided and methods of redress.	Operational Excellence
KPI B6.1	Percentage of total products sold or shipped subject to recalls for safety and health reasons.	CIC-ZCP does not have any products produced by its operations, no product related impacts are identified in our operations.
KPI B6.2	Number of products and service related complaints received and how they are dealt with.	CIC-ZCP does not have any products produced by its operations, no product related impacts are identified in our operations.

B. Social		Location of Disclosure
Operating Practices		
Aspect B6: Product Responsibility		
KPI B6.3	Description of practices relating to observing and protecting intellectual property rights.	Operational Excellence
KPI B6.4	Description of quality assurance process and recall procedures.	CIC-ZCP does not sell physical products that may be subject to recalls or require quality assurance.
KPI B6.5	Description of consumer data protection and privacy policies, and how they are implemented and monitored.	Operational Excellence
Aspect B7: Anticorruption		
General	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer relating to bribery, extortion, fraud and money laundering.	Operational Excellence
KPI B7.1	Number of concluded legal cases regarding corrupt practices brought against the issuer or its employees during the reporting period and the outcomes of the cases.	Operational Excellence
KPI B7.2	Description of preventive measures and whistle-blowing procedures, and how they are implemented and monitored.	Operational Excellence
KPI B7.3	Description of anti-corruption training provided to directors and staff.	Operational Excellence
Community		
Aspect B8: Community Investment		
General	General Disclosure Policies on community engagement to understand the needs of the communities where the issuer operates and to ensure its activities take into consideration the communities' interests.	Drive Sustainability

B. Social		Location of Disclosure
Community		
Aspect B8: Community Investment		
KPI B8.1	Focus areas of contribution (e.g. education, environmental concerns, labour needs, health, culture, sport).	Drive Sustainability
KPI B8.2	Resources contributed (e.g. money or time) to the focus area.	Drive Sustainability

GRI Topics Standard Content Index

GRI Topics Standards	Description of the Topic Standards	Location of Disclosure
Climate Change and Emissions		
305-1	Direct (Scope 1) GHG emissions	CIC-ZCP is aiming to disclose the information in the near future.
305-2	Energy indirect (Scope 2) GHG emissions	
305-3	Other indirect (Scope 3) GHG emissions	
305-4	GHG emissions intensity	
305-5	Reduction of GHG emissions	
305-6	Emissions of ozone-depleting substances (ODS)	
305-7	Nitrogen oxides (NOx), sulfur oxides (SOx), and other significant air emissions	
Energy		
302-1	Energy consumption within the organization	CIC-ZCP is aiming to disclose the information in the near future.
302-2	Energy consumption outside of the organization	
302-3	Energy intensity	
302-4	Reduction of energy consumption	CIC-ZCP is aiming to disclose the information in the near future.
302-5	Reduction of energy requirements of products and services	
Wastes		
306-1	Waste generation and significant waste-related impacts	CIC-ZCP is aiming to disclose the information in the near future.
306-2	Management of significant waste-related impacts	Zero Carbon Design
306-3	Waste generated	CIC-ZCP is aiming to disclose the information in the near future.
306-4	Waste diverted from disposal	
306-5	Waste directed to disposal	

GRI Topics Standards	Description of the Topic Standards	Location of Disclosure
Water and Effluent Management:		
303-1	Interactions with water as a shared resource	Zero Carbon Design
303-2	Management of water discharge-related impacts	
303-3	Water withdrawal	CIC-ZCP is aiming to disclose the information in the near future.
303-4	Water discharge	
303-5	Water consumption	
Biodiversity		
304-1	Operational sites owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas	CIC-ZCP does not operate in areas or in areas of close proximity to protected areas and areas of high biodiversity value outside protected areas.
304-2	Significant impacts of activities, products and services on biodiversity	
304-3	Habitats protected or restored	
304-4	IUCN Red List species and national conservation list species with habitats in areas affected by operations	
Community Investment		
413-1	Operations with local community engagement, impact assessments, and development programs	Driving Sustainability
413-2	Operations with significant actual and potential negative impacts on local communities	Not Applicable
Talent Attraction, Training and Development		
401-1	New employee hires and employee turnover	CIC-ZCP is aiming to disclose the information in the near future.
401-2	Benefits provided to full-time employees that are not provided to temporary or parttime employees	CIC-ZCP is aiming to disclose the information in the near future.
401-3	Parental leave	CIC-ZCP is aiming to disclose the information in the near future.

GRI Topics Standards	Description of the Topic Standards	Location of Disclosure
Talent Attraction, Training and Development		
402-1	Minimum notice periods regarding operational changes	CIC-ZCP is aiming to disclose the information in the near future.
404-1	Average hours of training per year per employee	Operational Excellence
404-2	Programs for upgrading employee skills and transition assistance programs	Operational Excellence
404-3	Percentage of employees receiving regular performance and career development reviews	CIC-ZCP is aiming to disclose the information in the near future.
Occupational Health and Safety		
403-1	Occupational health and safety management system	Operational Excellence
403-2	Hazard identification, risk assessment, and incident investigation	Operational Excellence
403-3	Occupational health services	CIC-ZCP is aiming to disclose the information in the near future.
403-4	Worker participation, consultation, and communication on occupational health and safety	Operational Excellence
403-5	Worker training on occupational health and safety	Operational Excellence
403-6	Promotion of worker health	Operational Excellence
403-7	Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	Operational Excellence
403-8	Workers covered by an occupational health and safety management system	Operational Excellence
403-9	Work-related injuries	CIC-ZCP is aiming to disclose the information in the near future.
403-10	Work-related ill health	

GRI Topics Standards	Description of the Topic Standards	Location of Disclosure
Diversity and Inclusion		
405-1	Diversity of governance bodies and employees	CIC-ZCP is aiming to disclose the information in the near future.
405-2	Ratio of basic salary and remuneration of women to men	Not applicable
406-1	Incidents of discrimination and corrective actions taken	CIC-ZCP is aiming to disclose the information in the near future.
Human Rights		
407-1	Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk	CIC-ZCP strictly follows Hong Kong's Employment Ordinance, Chapter 57, and the Hong Kong Bill of Rights in its operations, prohibiting the employment of child or forced labours.
408-1	Operations and suppliers at significant risk for incidents of child labor	No issues regarding the employment of child or forced labours were identified in our operations in the reporting year.
409-1	Operations and suppliers at significant risk for incidents of forced or compulsory labor	The social risks along the supply chain of CIC-ZCP, which includes the use of child or forced labours, are managed by the procurement practices and guidelines of the CIC. No child or forced labour incidents were identified during the reporting year.
Ethics and Anti-corruption		
		Operational Excellence
205-1	Operations assessed for risks related to corruption	All of CIC-ZCP's operations strictly follows Hong Kong's anti-corruption laws and regulations (e.g., Prevention of Bribery Ordinance (Cap.211)).
205-2	Communication and training about anti-corruption policies and procedures	Operational Excellence
205-3	Confirmed incidents of corruption and actions taken	Operational Excellence No incidents of corruptions were identified during the reporting year.

GRI Topics Standards	Description of the Topic Standards	Location of Disclosure
Ethics and Anti-corruption		
206-1	Legal actions for anti-competitive behavior, anti-trust, and monopoly practices	Operational Excellence No incidents of corruptions were identified during the reporting year.
Cybersecurity and Intellectual Property Protection		
418-1	Substantiated complaints concerning breaches of customer privacy and losses of customer data	Operational Excellence
Responsible Procurement and Sustainable Supply Chain Management		
308-1	New suppliers that were screened using environmental criteria	Operational Excellence
308-2	Negative environmental impacts in the supply chain and actions taken	The social risks along the supply chain of CIC-ZCP, which includes the use of child or forced labours, are managed by the procurement practices and guidelines of the CIC.
414-1	New suppliers that were screened using social criteria	The social risks along the supply chain of CIC-ZCP, which includes the use of child or forced labours, are managed by the procurement practices and guidelines of the CIC.
414-2	Negative social impacts in the supply chain and actions taken	The social risks along the supply chain of CIC-ZCP, which includes the use of child or forced labours, are managed by the procurement practices and guidelines of the CIC.



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