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Architectural Services Department

BUILDING BONDS FOR A GREEN FUTURE

SUSTAINABILITY REPORT 2025

CONTENTS

MESSAGE FROM THE DIRECTOR

Michael LI, JP
Director of Architectural Services

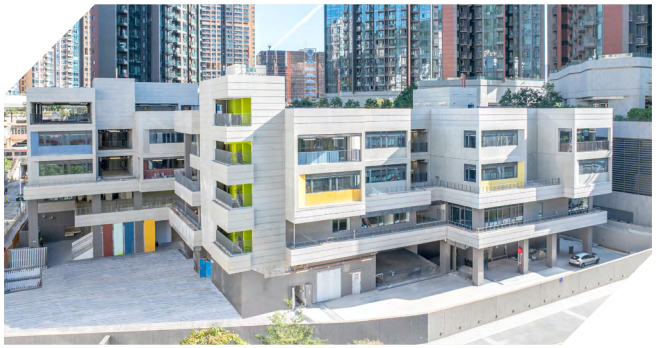
We foster innovation as the driving force for high-quality development. From building mutual bonds for a green future and smart safety solutions to enhancing livelihood and social well-being, ArchSD creates positive impacts through sustainable buildings and communities.

In a rapidly evolving world facing climate challenges and increasing demands for cost and resource efficiency, the ArchSD transforms constraints into opportunities for innovation. Our focus is on achieving more with less by fostering a sustainable, resilient, and inclusive built environment for Hong Kong through innovative partnerships with stakeholders.

ACCELERATING GREEN AND TECHNOLOGICAL INNOVATIONS

Our strategic approach to sustainability is grounded in concrete action. Last year, we launched our Carbon Neutrality Strategic Framework, establishing a cornerstone for achieving deep decarbonisation across all our projects. To ensure holistic carbon management, we have also started integrating carbon appraisal from the initial design phase through to construction.

This commitment is demonstrated through our robust trials and pioneering applications. These include employing reinforced concrete Modular Integrated Construction (MiC) for the Po Leung Kuk Siu Hon Sum Primary School, and piloting an "Advancing Net Zero" design that achieved a remarkable 60% reduction in embodied carbon during the refurbishment of toilet blocks at the Central and Western District Promenade's Pet Garden. Furthermore, the integration of blue-green concept at Tseung Kwan O South Park exemplifies our progress. Collectively, these initiatives mark significant strides in turning our sustainability commitment into tangible reality.



Po Leung Kuk Siu Hon Sum Primary School

The Light Public Housing project offers breakthrough opportunities for pioneering the MiC approach, utilising full prefabrication for multi-storey residential development and building cores (e.g. lift shafts, staircases, and electrical and mechanical plant rooms). This project has not only set a new benchmark for high-rise construction speed in Hong Kong, but also redefined public development by simultaneously prioritising productivity, quality, and social inclusion while reducing environmental impact. Building on this achievement, we are exploring ways to increase the adoption of these smart, modular technologies for other building types, including schools, offices, and hospitals. Our goal is to leverage greater standardisation to achieve safer, more cost-effective, higher-quality and efficient outcomes.

Light Public Housing at Choi Hing Road, Ngau Tau Kok

PRIORITISING SMART SAFETY

Safety is at the heart of our operations. To provide a safer working environment, all ArchSD contracts, including capital works and term contracts, now adhere to the Smart Site Safety System (4S), raising safety standards through close collaboration with our contractors. Moving forward, we will continue to enforce stringent compliance, while advancing the use of AI, robotics, and smart devices, such as remote access systems for tower cranes and smart watches to monitor workers' vital signs. These technologies allow us to strengthen inspection, identify issues, correct inappropriate work habits, and proactively prevent hazards, such as heat stress.

Smart Hong Kong Pavilion

ENHANCING SOCIAL INCLUSION AND WELL-BEING

We design to serve and uplift our communities. The Light Public Housing project is a prime example of building smart for better living, providing an effective modular solution to tackle Hong Kong's housing shortage and directly improve the living environment for grassroots communities. Through community-centric design, the project incorporates essential ancillary facilities, actively gauging and adapting to diverse needs to foster social inclusion.

In 2024, we achieved significant milestones in creating vibrant, inclusive, and liveable communities. Our efforts ranged from elderly-friendly designs at the North District Community Health Centre Building that promote community health, to delivering cultural landmarks such as the East Kowloon Cultural Centre and preserving the historic Tai Fu Tai Mansion through Heritage BIM. Projects like the Sha Tau Kok Visitor Facilities and the Po Pin Chau Viewing Platform further demonstrate our commitment to revitalising urban living, protecting pristine landscapes, and enhancing the quality of life for residents and visitors alike.

East Kowloon Cultural Centre

Po Pin Chau Viewing Platform

COLLABORATIVE INNOVATIONS FOR THE FUTURE

Our accomplishments are a testament to our culture of innovation and collaboration, which have incubated advancements in techniques, technologies, and materials. We are proud to have received over 80 industry awards, including the prestigious Global and Hong Kong Most Innovative Knowledge Enterprise (MIKE) Award, which affirm our excellence in innovation, project management, creative design, and environmental stewardship.

Hong Kong Most Innovative Knowledge Enterprise (MIKE) Award

I extend my heartfelt gratitude to our dedicated team and partners. Together, we will continue to advance high-quality development, strengthen community bonds, and fulfil the aspirations of our communities.

Michael LI, JP
Director of Architectural Services

ABOUT THIS REPORT

Objectives

Our Sustainability Report 2025 (the Report) is the 22nd annual sustainability report published by the Architectural Services Department (ArchSD or the Department) of the Government of the Hong Kong Special Administrative Region (HKSAR) of the People's Republic of China.

Under the theme 'Building Bonds for a Green Future', this Report presents our sustainability strategy, initiatives and economic, social and environmental (ESG) performance in 2024. It also highlights our commitment and sustained efforts to serving the community.

Scope

The Report highlights ArchSD's key sustainability initiatives and achievements during the period from 1 January 2024 to 31 December 2024. It covers the sustainability performance and initiatives of our 4 project management branches, 5 functional branches and 1 central management division.

The data represents absolute figures as at 31 December 2024 (unless otherwise stated) to the best of our knowledge. Financial data is for the financial year ended 31 March 2025. All monetary values are in Hong Kong Dollars.

Principles

This Report has been prepared in accordance with the Global Reporting Initiative (GRI) Standards 2021. It also refers to the industry-specific Sustainability Accounting Standards Board (SASB) Standards for the Engineering and Construction Industry to disclose financially material sustainability information. Furthermore, this report takes into consideration the recommendations of the Task Force on Climate-related Financial Disclosures (TCFD) in developing our climate action plan, which guides our journey towards achieving carbon neutrality by 2050.

To ensure the accuracy, consistency, reliability and credibility of the reported information, the data in this Report has been verified by an independent third party in accordance with the International Standard on Sustainability Assurance (ISSA) 5000. External assurance was also obtained to confirm the report's adherence to the GRI Universal Standards 2021. A GRI Content Index is provided to correlate disclosures with their corresponding sections within this report.

Share your Thoughts

We welcome stakeholders' feedback and suggestions on this Report. You can share your thoughts by filling in the feedback form or sending an email to imu@archsd.gov.hk.

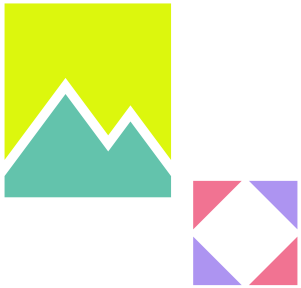
Notes to Readers

Available in English, Traditional and Simplified Chinese, this Report is published online and has been prepared in accordance with Level AA Conformance to W3C Web Content Accessibility Guidelines 2.1 and HTML5.

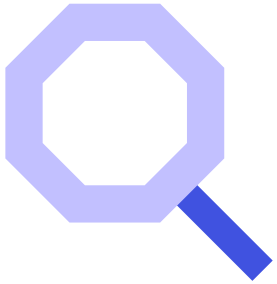
ABOUT THIS REPORT

The report can be viewed on mobile devices with the following key features:

On-screen font sizes



Picture enlargement



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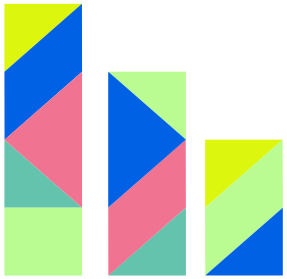


Data summary

Glossary

HIGHLIGHTS OF THE YEAR

2024 Performance Highlights

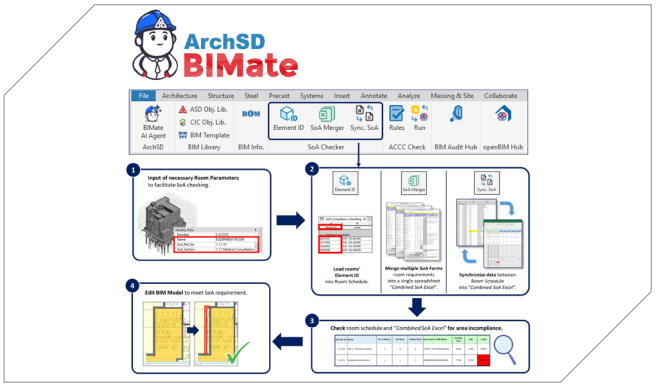
At the ArchSD, we seek continuous improvements in our sustainability performance. Our annual plan is centred on 4 strategic focus areas that drive low-carbon transformation, enhance project performance, empower talents while bringing positive impacts on the well-being and prosperity of local communities and individuals.

Innovation

Pioneered the application of advanced technologies – including BIM, MiC, robotics, drones, new materials, artificial intelligence (AI), Internet of Things (IoT) and Augmented Reality (AR) – across new works projects and facilities upkeep. These digital tools and innovative construction methods enhanced project performance and advanced our capabilities in smart advisory services, site supervision, safety, sustainability and data management.

The Testing and Commissioning (T&C) Intelligent Robot leverages IoT sensors, AI-driven deep learning and video analytic technology to generate measurement and verification reports, perform inspections and verify installations for smart construction sites.

The "Weaving Love" iconic installation at the wedding garden of Tseung Kwan O Immigration Headquarters is Hong Kong's first large-scale pilot utilising 3D metal printing technology.



Launched a self-developed BIM tool, "ArchSD BIMate" aimed at seamlessly integrating resources and utilizing AI technology to develop application tools and plugins. This development provides clear strategies, standardizes the modelling methodologies and promotes automated checking to ensure a smooth project delivery process.

HIGHLIGHTS OF THE YEAR

2024 Performance Highlights

People-centric Design

Advanced low-carbon, sustainable and inclusive building designs to enhance liveability and well-being in Hong Kong, supported by proactive multiple platform stakeholder engagement to understand needs and share knowledge.

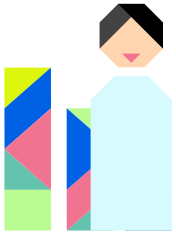
CARBON NEUTRALITY

Launched the Carbon Neutrality Strategic Framework and developed "3A Strategy" to facilitate low-carbon transformation in Hong Kong's built environment. Conducted internal training and arranged presentations at the Eco Expo Asia 2024 for stakeholder engagement.

Promoted adoption of the comprehensive ArchSD Elderly-friendly Design Guidelines, which includes practical examples, across new works projects and facilities upkeep.

HIGHLIGHTS OF THE YEAR

2024 Performance Highlights



Sense of Purpose

Empowered and groomed talent to uphold professional standards, and drove continuous improvements. Through knowledge management portals and public engagement events, we fostered a resilient, can-do team spirit dedicated to serving the community.

ArchSD was the Top Winner of the 2024 Hong Kong Most Innovative Knowledge Enterprise (MIKE) Award and Winner of the Global MIKE Award 2024, commending ArchSD's outstanding performance in knowledge management and innovation.

Showcased ArchSD's leading role in innovative construction technologies and its commitment to inclusive, environmentally friendly building designs in the "Public Architecture in Hong Kong II" Special Stamps.

Held the "Our Community - Built From the Heart" photo and short video competition to celebrate the 75th Anniversary of the founding of the People's Republic of China and promote appreciation for public architecture.

HIGHLIGHTS OF THE YEAR

2024 Performance Highlights

Slim and Trim

Streamlined cumbersome procedures and obsolete practices, and leveraged smart technologies and digitalisation to foster a work-smart culture and drive greater efficiency.

Fostered a work-smart culture through strategic digitalisation in facilities development and upkeep, monitoring and advisory services to streamline processing time and reduce paper-based workflows.

Won Gold Award in the CIC Construction Digitalisation Award 2024 for outstanding performance in enhancing project efficiency, promoting a wider adoption of BIM, AI, robotics and IoT, and engaging stakeholders in digital transformation.

HIGHLIGHTS OF THE YEAR

Awards and Recognition

We strive for excellence in facilities development and upkeep, industry and community contributions. Awards are a strong testament to our innovative solutions for the benefit of the living environment and thriving communities.

In 2024, we won over 80 prestigious awards recognising our contributions in green buildings, creative urban design, construction and research innovation, heritage conservation and project management. Below is a selection of some key awards from local and global institutions.

Architectural Services Department

CIC Construction Digitialisation Award 2024

Organisation – Client (Public) Category – Gold Award

Architectural Services Department

Hong Kong Most Innovative Knowledge Enterprise (MIKE) Award 2024 – Top Winner

Global MIKE Award 2024 – Winner

Cheung Sha Wan Catholic Primary School

International Architecture Awards 2024

School and Universities Category – Winner

Hong Kong Post Headquarters

DFA Design for Asia Awards 2024

Spatial Design – Workspace Category – Bronze Award

HIGHLIGHTS OF THE YEAR

Awards and Recognition

Integrated Building Services Modules

The 49th International Exhibition of Inventions of Geneva

Architecture/Civil/Construction/Materials/ Woodworks Category – Silver Medal

Kai Tak Station Square

HKIA Annual Award 2024

HKIA Medal of the Year of Hong Kong (Urban Design & Master Planning)

Lung Tsun Stone Bridge Preservation Corridor

HKIUD Urban Design Awards 2023

Planned Project Category – Grand Award

Volunteer Service

Civil Service Volunteer Commendation Scheme 2024

Outstanding Volunteer Leader Award & Excellent Volunteer Award

Ms MO Yin-ling, Carman

HIGHLIGHTS OF THE YEAR

Awards and Recognition

OTHER KEY AWARDS

Projects	*Award*
Advancing Code Compliance Checking: Research and Development of Automated OpenBIM Checking for General Building Plans Submissions	**Hong Kong OpenBIM / OpenGIS Awards 2024** Professional Research Category - Grand Award
Advancing Net Zero – Refurbishment of Toilet Blocks at Pet Garden of Central and Western District Promenade	**Green Good Design 2025** Green Landscape Architecture/ Urban Planning - 2025 Green GOOD DESIGN Award
	HKIPM PM Achievement Awards 2024 Sustainable Projects - Winner
AI Drone Building External Wall Spalling / Water Seepage Detection System for Deteriorated Buildings in Hong Kong	**"Innovative Application with AI" Competition (OGCIO)** Merit Award
	"Innovative Application with AI (Artificial Intelligence)" competition Merit Award
D&C of a Community Health Centre cum Social Welfare Facilities at Pak Wo Road, North District	**HKIPM PM Achievement Awards 2024** Construction/ Engineering - Winner
Estimating Team of QSB, ArchSD Application of artificial intelligence in cost estimation.	**RICS HK Awards 2024** Research Team of the Year - Winner
Expansion of the Legislative Council Complex	**Autodesk HK BIM Awards 2024** Award Winner
Expansion of Wo Hop Shek Crematorium	**The International Architecture Award 2024** Religious Buildings - Winner
Heritage Building Information Modelling for Cultural Heritage Conservation at Tai Fu Tai Mansion	**HKICON Conservation Awards 2024** Interpretation Category - Special Mention Award

HIGHLIGHTS OF THE YEAR

Awards and Recognition

OTHER KEY AWARDS

Projects	*Award*
Hong Kong Pavilion International Horticultural Exposition 2024, Chengdu	**HKILA Landscape Awards 2024** Excellence in Public Development - Merit Award
	HKIA Annual Award 2024 Architectural Installation, Curation & Exhibition Design - Finalist
	Bronze Award Gardens of Chinese Cities
Hoi Bun Road Park	**HKIUD Urban Design Awards 2023** Completed Project - Merit
Hoi Ha Visitor Centre	**HKIA Cross-Strait Architectural Design Awards 2024** Community, Culture & Recreational Projects - Nominated
Hong Kong Flower Show 2024	**Hong Kong Flower Show 2024 - Gold Award for Design Excellence (Landscape Display)** Displays Section (Local)
Hong Kong Flower Show 2025	**Hong Kong Flower Show 2025 - Grand Award for Design Excellence (Landscape Display)** Displays Section (Local)
Hong Kong Post Headquarters	**International Design Awards 2024** Bronze Award for Architecture - Commercial Architecture (Public/ Government Buildings)
Immigration Headquarters	**ASHRAE Hong Kong Chapter Technology Award 2025** Institutional Buildings (Other Institutional) - Winner
	Autodesk HK BIM Awards 2024 Honorable Mention

HIGHLIGHTS OF THE YEAR

Awards and Recognition

OTHER KEY AWARDS

Projects	*Award*
Inland Revenue Tower in Kai Tak Development	**ASHRAE Region XIII Technology Award 2024** Regional Merit under category of Institutional Buildings – New
	HKIS Awards 2024 Construction (Building) Category - Merit
	Quality Building Award 2024 CAT 3. Hong Kong Non-residential (New Building - government, Institution or Community) - Merit
Integrating OpenBIM in the Museum Project at Kowloon Park: A Shift in Design, Collaboration, and Tender Preparation	**Hong Kong openBIM/openGIS Awards 2024** Design for Buildings Category - Merit Award
Kai Tak Station Square	**DFA Design for Asia Awards 2024** Spatial Design -Cultural & Public Spaces Category (Silver)
	International Design Awards 2024 Bronze Award for Architecture - Landscape Architecture (Community Spaces/ Parks)
	HKIA Cross-Strait Architectural Design Awards 2024 Community, Culture & Recreational Projects-Nominated
	The International Architecture Award 2024 Urban Planning/ Landscape Architecture - Winner
Kwu Tung North Multi-welfare Services Complex	**Quality Building Award 2024** CAT 3. Hong Kong Non-residential (New Building - government, Institution or Community) - Merit
	HKIE Structural Excellence Award 2024 Non Residential Category: Commendation Merit

HIGHLIGHTS OF THE YEAR

Awards and Recognition

OTHER KEY AWARDS

Projects	*Award*
Lai Chi Wo Eco-smart Public Toilet	**HKIA Annual Award 2024** President's Special Prize
	HKIA Annual Award 2024 Sustainable Architecture Category - HKIA Special Award
Lam Wah Street Playground	**HKIA Annual Award 2024** Public Space/ Civic/ Communal Building - HKIA Award of/ outside Hong Kong
	DFA Design for Asia Awards 2024 Spatial Design - Cultural & Public Spaces (Bronze)
Lung Mei Beach House	**The International Architecture Award 2024** Sports & Recreation - Winner
Maintenance Strategy on ArchSD maintained man-made slope	**HKIS Awards 2024** Post-occupation Category - Grand Award
Mass Deployment on Renewable Energy Projects in Existing Government Venues	**HKIPM PM Achievement Awards 2024** Sustainable Projects - Winner
Modernisation of Lai Wan Market	**HKIPM PM Achievement Awards 2024** Construction/ Engineering - Winner
Moreton Terrace Activity Centre	**HKIUD Urban Design Awards 2023** Completed Project - Merit
Oil Street Art Space	**The International Architecture Award 2024** Public Space - Honorable Mentions

HIGHLIGHTS OF THE YEAR

Awards and Recognition

OTHER KEY AWARDS

Projects	*Award*
Pound Lane Public Toilet and Bathroom	**HKIUD Urban Design Awards 2023** Completed Project - Merit
Public Open Space at East Coast Park Precinct	**HKIUD Urban Design Awards 2023** Planned Project - Merit Award
Public Toilet at Pak Shek Kok Promenade, Tai Po District	**HKIA Annual Award 2024** President's Special Prize
Quantity Surveying Branch of ArchSD	**RICS Hong Kong Awards 2024** Quantity Surveying Team of the Year - Winner
Design and Construction of Light Public Housing	**HKIS QS Awards 2024** QS Awards on projects (Innovation) - Merit
Reprovisioning of a Public Toilet at Pak Shek Kok Promenade, Tai Po District	**HKIPM PM Achievement Awards 2024** Construction/ Engineering - Winner
Reprovisioning of Transport Department's Vehicle Examination Centres at Tsing Yi	**HKIA Cross-Strait Architectural Design Awards 2024** Transportation & Infrastructure Facilities-Nominated
Sham Shui Po Park	**Universal Design Award Scheme 2024/25** Gold Award
Wan Chai Promenade	**The International Architecture Award 2024** Urban Planning/ Landscape Architecture - Honorable Mentions
Weaving Love	**HKIA Annual Award 2024** HKIA Special Award - Technology or Innovation Architecture Category

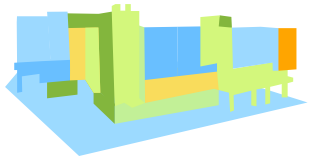
HIGHLIGHTS OF THE YEAR

Project Showcase

As an integral part of the community, we adopt an empathetic and long-term approach to advancing sustainable development in public architecture. By blending innovative construction technologies with sustainable and people-centric design, ArchSD's projects exemplify our commitment to shaping a smarter, greener, and more liveable city. Through close collaboration with industry partners, user departments, and the wider community, we create vibrant, nature-integrated and accessible spaces that enhance resilience, urban well-being and cultural heritage for generations to come.

CASE STUDY

PO LEUNG KUK SIU HON SUM PRIMARY SCHOOL



The Pioneer of Fair-faced Load-bearing Reinforced Concrete MiC Primary School

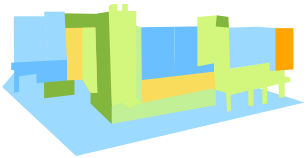
The primary school in Fo Tan pioneers an innovative fair-faced load-bearing reinforced concrete (RC) MiC design, setting a new benchmark for future MiC schools built in the same way. By combining advanced grout tube and tie bar connections, this novel structural approach significantly reduces wet trades onsite while enhancing overall construction efficiency.

Departing from traditional layouts, the school adopts a low-density spatial scheme, integrating learning facilities within a compact yet flexible footprint. Its unique design features 3 teaching cluster blocks encircling the sports podium deck on the 2nd floor, linked by semi-open corridors to foster connectivity. Each cluster includes 4 classrooms with DfMA-enabled aluminium folding partitions, offering adaptable spaces for diverse teaching methods. The use of fair-faced concrete finishes for both exterior facades and interior walls lowers embodied carbon while showcasing the material's natural aesthetic and MiC's superior concrete quality control.

To ensure seamless offsite manufacturing and onsite assembly, BIM played a pivotal role in facilitating architectural, mechanical, electrical and plumbing (MEP) coordination through BIM CAVE, precision rebar setting, and 4D simulation for MiC module installation. DfMA principles were also applied to M&E equipment, including air-handing units, pump sets and electrical distribution boards, minimising waste and optimising energy efficiency.

CASE STUDY

PO LEUNG KUK SIU HON SUM PRIMARY SCHOOL

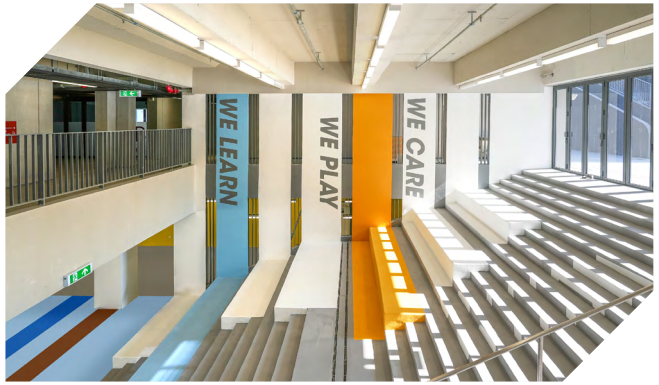


KEY FEATURES

The low-density spatial design integrates learning facilities, fostering a cohesive environment for study and activities while minimising visual and ventilation impacts on neighbouring buildings.

The school's innovative MiC structural system integrates beam-column moment-resisting structural frame with non-structural wall or façade. This approach minimises onsite concreting works, reduces construction waste and dust emissions, thereby improving construction efficiency.

MEP installations including mechanical ventilation, fire services, plumbing and drainage, and electrical system, except the connection between MiC units, were manufactured in factory, significantly accelerating onsite construction progress. BIM was implemented across all project stages to ensure highest standards for the final building.

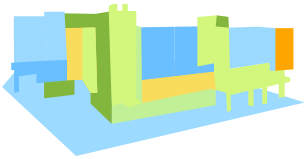


Fair-faced concrete finishes on the exterior façade and classroom interiors enhances sustainability performance while exemplifying the material's natural aesthetics and MiC's concrete quality control.

Energy-efficient features and renewable energy technologies, including photovoltaic panels, DC-powered fans and solar tubes, contribute to energy reduction and sustainable operations.

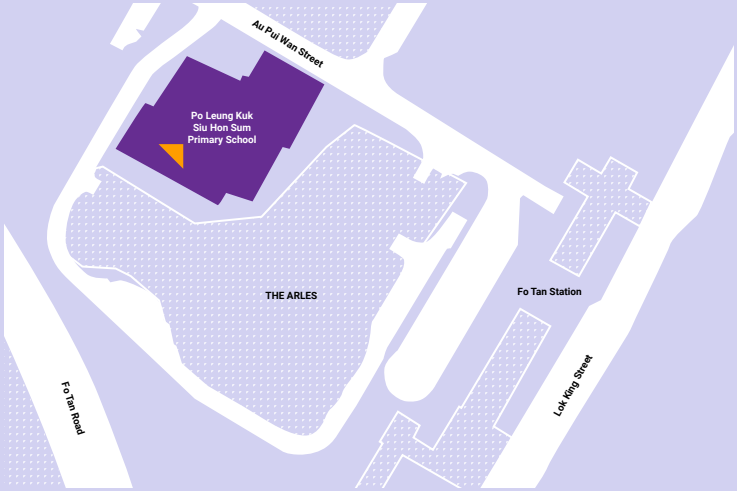
CASE STUDY

PO LEUNG KUK SIU HON SUM PRIMARY SCHOOL



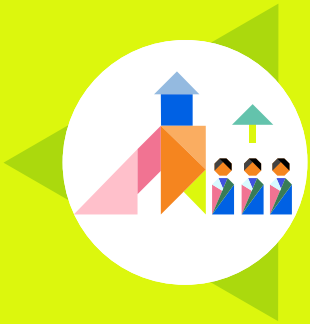
LOCATION

3 Au Pui Wan Street, Fo Tan, Sha Tin



LEARN MORE

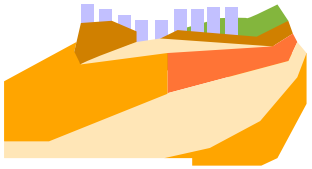
Recognised for its groundbreaking innovation and engineering excellence, the project won the HKIE Structural Excellence Award 2025 – Commendation Merit and obtained Green Building Award 2025 - Finalist.



The primary school consists of 24 classrooms, 4 small group teaching rooms, 6 special rooms (including a music room, a visual arts room, a general studies room, a multi-purpose room, a computer assisted learning room and a language room), a library, a guidance activity room, 2 interview rooms, a staff room, a staff common room, a conference room, an assembly hall, a multi-purpose area, a student activity centre and other ancillary facilities.

CASE STUDY

PO PIN CHAU VIEWING PLATFORM



Sustainable Viewing Facilities for Natural Landscape Conservation

Growing foot traffic along the trail to Po Pin Chau Viewing Platform had degraded vegetation and accelerated erosion, particularly at certain cliffside areas. To protect the pristine coastal landscape of the trail to Po Pin Chau Viewing Platform while enhancing hiking safety and visitor experience, a new viewing platform overlooking Po Pin Chau was built with associated facilities, i.e. the two viewpoints and trail entrance feature.

The terraced viewing platform and natural stone-paved ground—with grass infill—blend seamlessly with the natural surroundings. Strategically placed stumps and warning signages improve safety, while scenic viewpoints at East Dam and Kim Chu Wan highlight coastal vistas reduce disturbances to the environment.

To promote sustainability and integration with the surrounding environment, the design incorporates various measures. These include native plants to reduce erosion; along with low-impact materials (e.g. river sand and peat moss).

CASE STUDY

PO PIN CHAU VIEWING PLATFORM

KEY FEATURES

Terraced viewing platform and scenic viewpoints at East Dam and Kim Chu Wan offer breathtaking views.

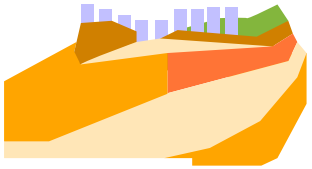
Native planting blend with existing vegetation to reduce erosion and protect ecosystem biodiversity.

Natural stone paving and low-maintenance planting mediums to minimise environmental impact.

Signage and strategically placed stumps guide hikers to appreciate the scenic views within the specific points.

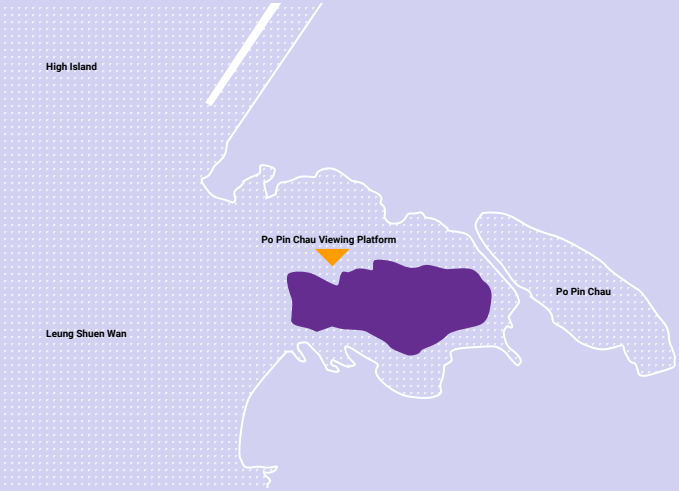
CASE STUDY

PO PIN CHAU VIEWING PLATFORM



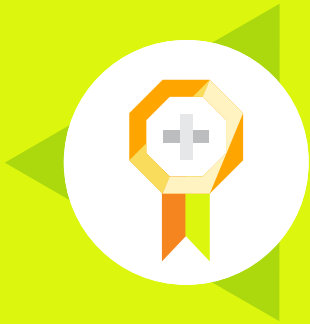
LOCATION

Viewing Platform Overlooking Po Pin Chau



LEARN MORE

Po Pin Chau, located within the Hong Kong UNESCO Global Geopark, is a striking sea stack renowned for its towering hexagonal volcanic columns. Originally connected to Fa Shan (visible from the East Dam), it was shaped by relentless wave erosion that first formed a sea cave, then an arch, before gravity caused its collapse into the isolated landmark we see today.



The Po Pin Chau Viewing Platform adapts the winning design from the Hexagonal Adventure – Design Competition. It seamlessly integrates with the landscape while preserving the existing trigonometrical station and cross-shaped cement structure - offering visitors unparalleled views of this geological wonder.

CASE STUDY

FACILITIES TO SUPPORT OPENING PLAN OF SHA TAU KOK

Revitalising Border Tourism

The Sha Tau Kok Opening-up Plan facilitates the gradual opening of this historic border area for recreation and tourism as part of the Northern Metropolis Development Strategy. The project delivers thoughtfully designed facilities that enhance visitor experience while ensuring security and honouring local heritage.

The reprovisioned Chung Ying Street Checkpoint in Sha Tau Kok replaces temporary marquees structures with a permanent facility inspired by Sha Tau Kok's railway legacy. Its design blends nostalgic elements with designated scenic photo spots, creating a cultural landmark for Chung Ying Street and implementing "e-Corridor" border-crossing measures for residents' convenience. A reinforced boundary fence at Tsoi Yuen Kok further strengthens border security.

Adjacent to the Sha Tau Kok Pier, a once-vacant waterfront has been revitalised into a vibrant tourist zone. The area now offers essential amenities such as tour bus parking, restrooms, and seating, alongside open-air market stalls promoting local products. The design harmonises with the coastal landscape, creating inviting spaces for leisure (including boat excursions) and photography.

Sustainable features include steel structures and facades to minimise dust and carbon emissions, a high-ceilinged clearance hall to optimise natural ventilation, and glass walls facing a courtyard to maximise natural lighting and user comfort.

CASE STUDY

FACILITIES TO SUPPORT OPENING PLAN OF SHA TAU KOK

KEY FEATURES

A revitalised waterfront zone enhancing visitor experience with amenities such as parking, lavatories, and seating, along local open-air market stalls against Sha Tau Kok's coastal backdrop.

A splash of sea, sky and forest hues creates the perfect picturesque photo spot for memorable moments of Sha Tau Kok.

A boundary fence was installed in the Tsoi Yuen Kok area to enhance border security.

High ceilings boost natural airflow, while glass walls and smart lighting sensors maximise daylight—cutting energy use and enhancing comfort.

The Chung Ying Street Checkpoint now stands about where Sha Tau Kok's historic railway terminus once thrived. Its design pays homage to the old Hung Leng Station, blending traditional elements—Chinese blue brick walls, white stone skirting, white columns, and wooden benches—with modern functionality. The exterior wall is decorated with copper plate featuring a vintage train, while the checkpoint seamlessly accommodates both operational needs and visitors capturing photos of this transportation heritage landmark.

CASE STUDY

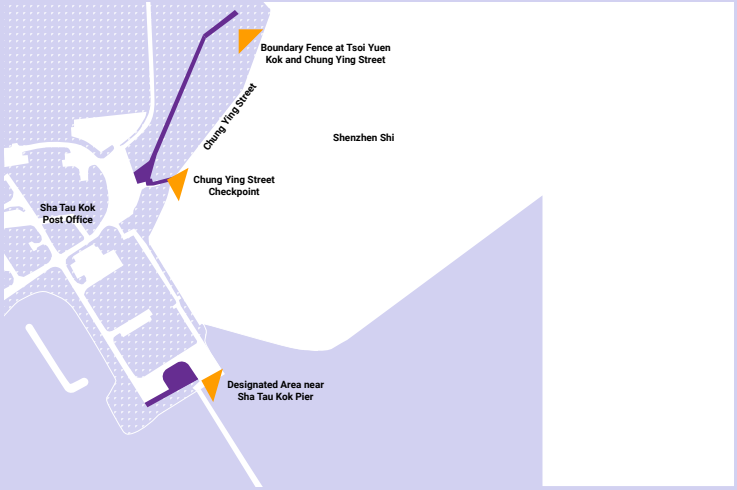
FACILITIES TO SUPPORT OPENING PLAN OF SHA TAU KOK

LOCATION

Designated Area near Sha Tau Kok Pier

Chung Ying Street Checkpoint
Chung Ying Street, Sha Tau Kok, New Territories

Boundary Fence at Tsoi Yuen Kok
Tsoi Yuen Kok, Sha Tau Kok, New Territories



LEARN MORE

The first and second phases of the Sha Tau Kok Frontier Closed Area Opening-up Plan were implemented in June 2022 and January 2024 respectively, allowing individual and group tourists to apply for Closed Area Permit and enter Sha Tau Kok (except Chung Ying Street).

CASE STUDY

LIGHT PUBLIC HOUSING

Building Smart for Better Living: Modular Solution to Housing Shortage

To bridge the short-term gap in public housing supply, the Light Public Housing (LPH) project, announced in the 2022 Policy Address, aims to provide affordable housing to improve the living conditions and quality of life for the underprivileged communities residing in inadequate housing as soon as possible.

The LPH initiative will provide approximately 30 000 simple and standardised apartment units with community-centric ancillary facilities in 2 batches within a 5-year period before 2027-28. These units will be delivered using the Modular Integrated Construction (MiC) approach, enabling faster and more flexible completion compared to traditional methods. The Housing Bureau leads policy implementation while the ArchSD oversees design and construction, ensuring quality through large-scale standardised development. By combining speed, cost-effectiveness, safety, and smart technologies through modular construction, the LPH initiative showcases a creative model to tackle the housing shortage for vulnerable populations.

CASE STUDY

LIGHT PUBLIC HOUSING

KEY FEATURES AND BENEFITS

Productivity

- Factory-built modular components are transported for rapid onsite assembly, achieving 30% faster project completion compared to conventional construction methods
- Extensive application of MiC in high-rise housing developments enables faster project delivery
- 5 vacant school premises repurposed to accelerate delivery and reduce cost
- Integrated smart technologies (e.g. BIM, IoT, AI, robotics) and innovative construction methods (including MiMEP and DfMA) enhance efficiency

Cost-effectiveness

- Approximately 15% cost reduction achieved through standardised designs, central procurement and streamlined processes
- Lower average unit cost for higher MiC storeys
- Cost-efficient basic amenities (electric water heaters, exhaust fans) prioritised for temporary housing over renewable energy systems or air conditioners which are included for long-term developments

Quality

- High-quality prefabricated modules and durable materials
- Standardised designs ensure consistency in living conditions
- ArchSD-led construction balances production efficiency with rigorous quality control measures

Low-carbon and environmental conscious construction

- Prefabrication and precision manufacturing minimise onsite waste, energy use and carbon emissions
- Demountable MiC modules and DfMA units for future relocation and re-assembly through “Design for Deconstruction” principles – reducing waste and enabling circular construction
- Reduce dust and noise impact on surrounding communities
- High-performance facades reduce solar heat gain in the flats

Community-centric

- Flats with self-contained toilet, shower area, open cooking space and basic fittings
- Shared amenities including retail shops, laundrettes, cooking area, study rooms and multi-purpose community spaces

CASE STUDY

LIGHT PUBLIC HOUSING

Yau Pok Road, Yuen Long

- 2 156 units completed with about 880m² of ancillary facilities, resident intake commenced by phases from 28 March 2025. It was the first completed Light Public Housing project which took only 379 days from design inception to project completion.
- Spanning an 87,000m² site divided into northern and southern zones, the project features 10 three-storey residential blocks and 8 single-storey ancillary buildings, as well as 2 public transport termini. Designed with a courtyard layout, half of the flats overlook central green courtyards with lush landscaping and seating areas, while the rest benefit from serene farmland views. By adopting the MiC method, the project minimised on-site construction activities to significantly reduce noise and air impact, safeguarding the local wetland ecosystems, migratory birds, and neighbouring communities.

Choi Hing Road, Ngau Tau Kok

- 2 290 units completed with about 390m² of ancillary facilities, intake commenced from end June 2025.
- As Hong Kong's first high-rise LPH project, this development comprises 2 residential blocks of 18 and 19 storeys equipped with MiC elevators. Completed in a record-breaking 18 months using the MiC approach, it sets a new benchmark for high-rise construction speed in the city. The project is distinguished by its "Moon-Gate"– an elegant and fair-faced concrete arch connecting the two blocks. This minimalist design serves as both a welcoming entrance and a communal gathering space, enhancing aesthetic appeal while reducing material waste by eliminating the need for additional finishes. The development includes community-focused ancillary facilities such as a convenience store, launderettes, an activity room and a minibus stop.

Tsing Fuk Lane, Tuen Mun

- Approximately 1 850 units, complemented by about 300m² of ancillary facilities, with completion scheduled for Q4 2025.
- Entire residential modules – complete with finishes and fittings – are factory-built for rapid onsite assembly. The project extends MiC prefabrication to building cores, fabricating lift shafts, staircases, refuse rooms and electrical and mechanical plant rooms offsite. This comprehensive prefabrication minimises in-situ construction, significantly reducing both construction time and environmental impact. Located adjacent to the Light Rail Ching Chung Stop and Kin Sang Estate Shopping Centre, the development includes community-focused ancillary facilities such as a convenience store, a launderette and a study/activity room.

CASE STUDY

LIGHT PUBLIC HOUSING

Olympic Avenue, Kai Tak

- Approximately 10 700 units with about 1 720m² of ancillary facilities to be completed in Q4 2025 (Phase 1) and Q3 2026 (Phase 2).
- To ensure efficiency and quality throughout the construction process, lift cores and staircases in each residential block are constructed using precast concrete components, while building services installation along exterior façades, common corridors, and plant rooms is optimised through MiMEP systems and DfMA principles. Located adjacent to the Kai Tak MTR station and the Kowloon City Market, the development includes community-focused ancillary facilities such as a convenience store, catering services, a launderette and a study/activity room.

Sheung On Street, Chai Wan

- Approximately 1 720 units with about 250m² of ancillary facilities to be completed in Q2 2026.
- The project's identity is anchored in the branding concept: "Possibility in Life." This guiding philosophy was co-created with the community through participatory drawing workshops, with residents' creative ideas directly inspiring architectural elements. The integration of these community-inspired designs aims to cultivate learning opportunities for the younger generation and foster synergy within the Chai Wan neighbourhood. A central highlight is the "Stories Under the Tree" courtyard. This thoughtfully designed communal space is built around the preservation of an ancient tree, seamlessly weaving natural heritage into modern social infrastructure.

Yan Po Road, Tuen Mun

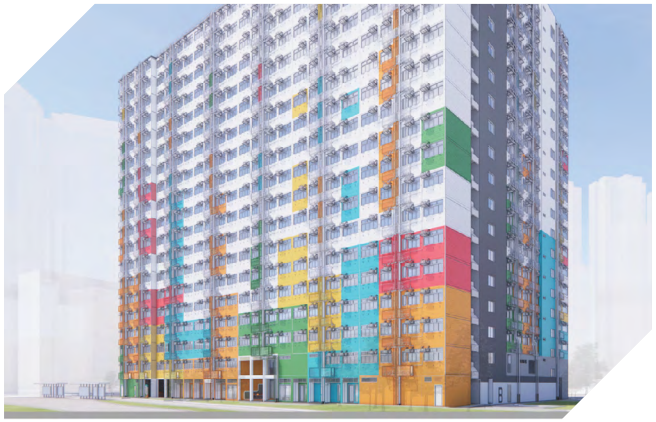
- Approximately 5 620 units with about 2 140m² of ancillary facilities to be completed in Q3 2026 (Phase 1) and Q4 2026 (Phase 2).
- Inspired by the "Life Changing" brand concept, this development serves as an integrated community hub for Tuen Mun, designed to nurture family life and foster community harmony. It blends a "Mountain Step" landscape with a curated mix of essential amenities—including a public transport interchange, premises for after-school care and social community services, a supermarket, a bakery cafe, frozen and general food stores, a laundry, and a hair salon—to create a supportive, natural environment. The design prioritises open spaces, seamlessly linking green areas within each residential block to the surrounding neighbourhood.

CASE STUDY

LIGHT PUBLIC HOUSING

Lok On Pai, Siu Lam

- Approximately 4 200 units complemented by 2 000m^2 of purpose-built ancillary facilities to be completed in Q3 2026.
- Anchored by its "Hope for the Needy" foundation, this project embodies a compassionate vision shaped by direct community input. It is meticulously designed to meet the needs and aspirations of elderly residents and retirees, offering thoughtfully integrated amenities such as a scenic promenade and a supermarket. These facilities provide more than just convenience; they actively build community by encouraging social interaction and enhancing accessibility, ultimately fostering a vibrant and hopeful neighbourhood.



Hang Kwong Street, Ma On Shan

- Approximately 860 units with about 130m^2 of ancillary facilities to be completed in Q4 2026.
- This LPH initiative turns site constraints into opportunities for a well-connected, comfortable community that prioritises resident well-being. Key design innovations include: refuse collection points are positioned for natural ventilation, while a central convenience store is optimised for accessibility; communal facilities are grouped around a courtyard to foster interaction, complemented by increased separation between residential wings to enhance privacy and visual openness; and multiple pedestrian entrances paired with a sky walkway to improve access from public transportation and promote natural ventilation.

CASE STUDY

LIGHT PUBLIC HOUSING

The Mission Covenant Church Holm Glad No. 2 Primary School, Kwun Tong

- Approximately 130 units with about 70m² of ancillary facilities to be completed in Q4 2025.
- The site benefits from its close integration with the existing Shun On Estate community, located near housing blocks and playgrounds. Inspired by "Luminous Ascent," the design features dynamic, floating forms and sweeping lines that convey movement and lightness. Each building is distinguished by a unique colour palette drawn from the glow of fireflies—such as vibrant greens, yellows, and warm oranges, evoking a whimsical yet cohesive aesthetic that enhances its visual connection to its community.

Tung Wah Group of Hospital Ma Kam Chan Memorial Primary School (Choi Yuen Annex), Sheung Shui

- Approximately 110 units with about 120m² of ancillary facilities to be completed in Q4 2025.
- Nestled near major transport routes, this LPH development employs acoustic measures to ensure a tranquil living environment. Community well-being is central to the design, reflected in enhanced lighting and safety measures around the adjacent basketball court, and the preservation of the existing 1/F stage as a communal gathering space. Embracing the "Luminous Ascent" concept, the architecture features dynamic floating forms and sweeping lines that evoke movement and lightness. A unique firefly-inspired palette of vibrant greens, yellows, and oranges creates a distinctive yet harmonious identity, reflecting the playful spirit of the community.

Former St. Joseph's Anglo-Chinese School, Kwun Tong

- Approximately 150 units with about 120m² of ancillary facilities to be completed by Q1 2026.
- Preserving the school's architectural heritage features, including cross motifs, vintage doors, timber-glass altar and mosaic tiles, the transformation creates vibrant leisure and community spaces while integrating sustainable upgrades. The roof's high-performance electricity-free cooling paint reduces heat gain for units below the roof level, and modular bathrooms accelerate affordable unit delivery.

CASE STUDY

LIGHT PUBLIC HOUSING

Carmel Leung Sing Tak School, Kwun Tong

- Approximately 110 units with about 150m^2 of ancillary facilities to be completed in Q1 2027.
- Seamlessly integrated into the Shun On Estate, the Carmel LPH site prioritises inclusivity and convenience. The design features 2 accessible activity rooms—on the ground and 7th floors—ensuring equal access for all tenants. A new barrier-free ramp connects adjoining floor levels, enhancing mobility and convenience within the building. A unique firefly-inspired palette of vibrant greens, yellows, and oranges creates a playful yet harmonious aesthetic that reflects the surrounding community.

Baptist Rainbow Primary School, Wong Tai Sin

- Approximately 100 units with about 220m^2 of ancillary facilities to be completed in Q1 2027.
- Seamlessly integrated with the Wong Tai Sin neighbourhood—including Chuk Yuen Housing Estate, playgrounds, and schools—the design thoughtfully retains and adapts existing features. The former 3rd floor library is repurposed as an activity room, while the 1st floor assembly hall platform is preserved as a fully accessible common area. Inspired by "Luminous Ascent," the architecture features dynamic floating forms and sweeping lines, complemented by a firefly-inspired colour palette of vibrant tones of greens, yellows, and oranges that reflect the community's vibrant identity.

CASE STUDY

LIGHT PUBLIC HOUSING

LOCATION

1. 18 & 22 Yau Pok Road, Yuen Long
2. 20 Olympic Avenue, Kai Tak
3. 23 Choi Hing Road, Ngau Tau Kok
4. 10 Tsing Fuk Lane, Tuen Mun
5. Sheung On Street, Chai Wan
6. Yan Po Road, Tuen Mun
7. Lok On Pai, Siu Lam
8. Hang Kwong Street, Ma On Shan
9. Former St. Joseph's Anglo-Chinese School, Choi Shek Lane, Kwun Tong
10. The Mission Covenant Church Holm Glad No.2 Primary School, Shun On Estate, Kwun Tong
11. TWGHS Ma Kam Chan Memorial Primary School (Choi Yuen Annex), Choi Yuen Estate, Sheung Shiu
12. Carmel Leung Sing Tak School, Shun On Estate, Kwun Tong
13. Baptist Rainbow Primary School, Chuk Yuen (South) Estate, Wong Tai Sin

CASE STUDY

EAST KOWLOON CULTURAL CENTRE

The Art Connector: Infusing Culture into Urban Life

Transforming from a traditional precinct into a new cultural beacon, the East Kowloon Cultural Centre (EKCC) is a hub for all. Its “window of art” radiates creativity to neighbouring districts, while the elevated “Art-Link” pedestrian loop seamlessly connects artists with the daily flow of commuters.

The EKCC houses 5 performance venues of varying sizes accommodating diverse performances and events for art groups.

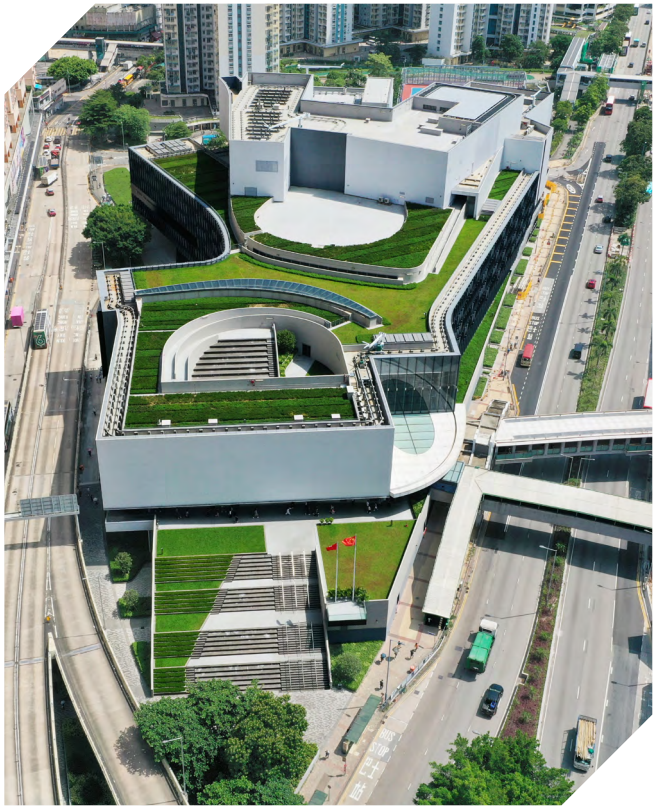
Serving as a chamber for idea collision, EKCC offers a culturally immersive environment where creativity, connectivity and vitality foster spontaneous interactions. The Main Foyer - an iconic crossroads connecting all venues – multi-level open spaces (including a roof garden, open deck and ground level plazas) provide a comfortable environment for the public.

Sustainability shaped every aspect of EKCC’s design, earning a Final Platinum Rating in the BEAM Plus New Buildings assessment. Passive strategies maximise natural lighting while renewable energy technologies (including photovoltaic panels, rainwater recycling and lift regenerative power system) reduce carbon emissions by about 22%. Early stage air ventilation assessments further optimise airflow through strategic adjustments to the building mass.

CASE STUDY

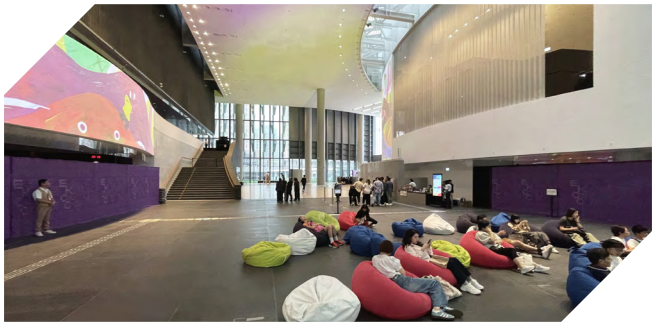
EAST KOWLOON CULTURAL CENTRE

KEY FEATURES



Spanning from roof to street-level plazas, these multi-level green spaces mitigate heat island effects, while delivering biophilic experiences, visual relief for neighbourhoods and opportunities for diverse activities. The Entrance Plaza's preserved trees provide both shade and a living connection to the community's shared memories.

The landscape deck on the 1/F connects the MTR station to street level through a terraced plaza and revitalised garden under the flyover. This creates welcoming new space and refreshing moments of pause for commuters amidst cascading greenery.



The elevated Art-Link Foyer enhances urban connectivity through alternative routes, naturally weaving art and culture into commuters' daily journeys through an immersive public space.

The continuous glass façade and skylights diffuse natural daylight while maintaining visual connectivity. High-performance fritted glass and delicately designed shading fins - featuring perforated pattern inspired by metal folding gates in traditional housing estates - work in tandem to reduce solar heat gain, blending thermal performance with nostalgic local character.

The 1,200-seat Auditorium stands as EKCC's largest multi-purpose performance venue, offering flexible configurations for performances and events.

CASE STUDY

EAST KOWLOON CULTURAL CENTRE

LOCATION

60 Ngau Tau Kok Road, Kowloon

LEARN MORE

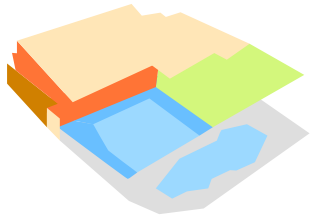
Achieved a Final Platinum Rating under the BEAM Plus New Buildings Version 1.1 assessment.

The sustainable building significantly enhances energy efficiency, conserves resources and improves occupant well-being, cutting annual electricity use more than 23%, reducing water consumption by about 57%, and achieving over 30% of site greenery coverage. Its IAQ Excellent Class certification further ensures healthy indoor air quality.

Rising from the site of the former 1960s Lower Ngau Tau Kok Estate, the EKCC addresses the community's pressing demand for performance spaces. Its strategic location between Ngau Tau Kok Road and Kwun Tong Road transforms a transit zone into a culture hub where artists, students, theatregoers, general public and tourists converge daily.

CASE STUDY

KOWLOON TSAI SWIMMING POOL COMPLEX

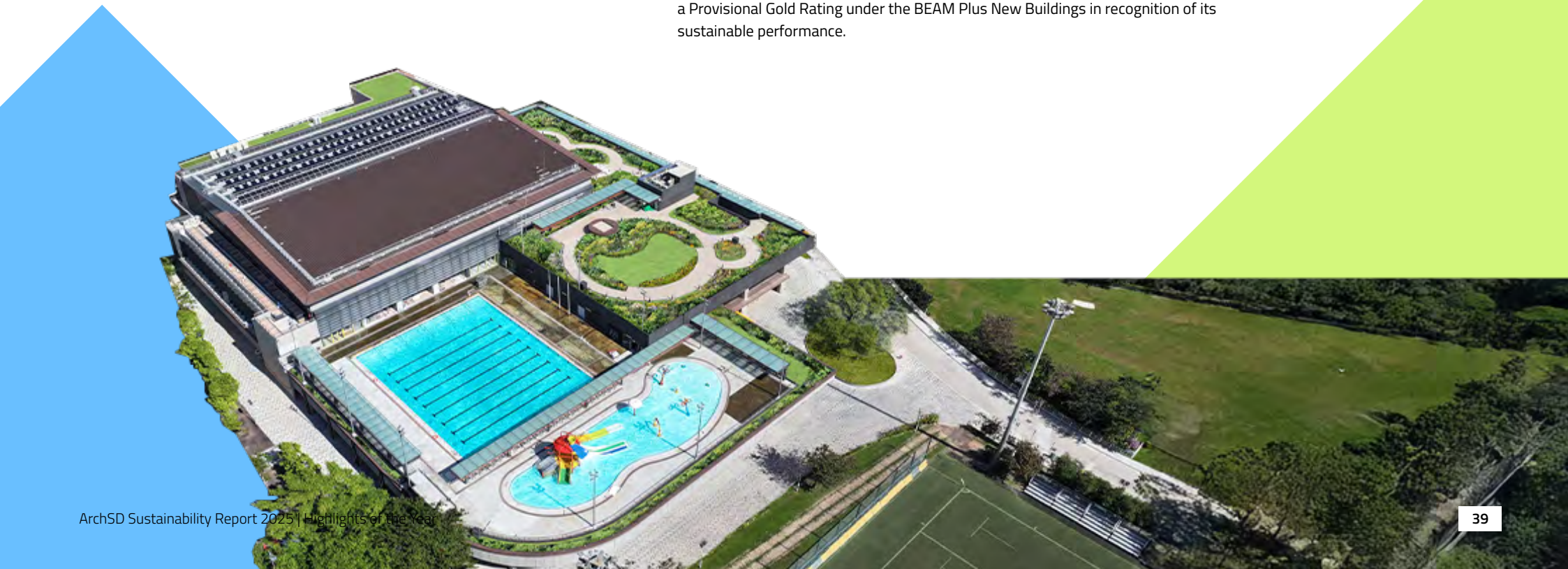


Prioritising Nature-integrated Design and Community Needs

The newly refurbished swimming pool complex at Kowloon Tsai Park revitalises the public facilities by harmonising community needs with ecological preservation. Designed to meet the demand for year-round swimming and competition events, the Complex offers community-centric amenities with tailored landscaping for diverse user groups, enhancing both recreational opportunities and the park's ecological integrity.

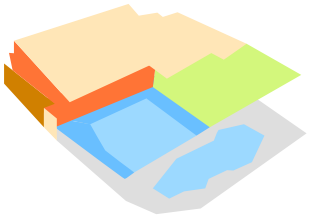
Spanning an area of 16 132m^2, the Complex features an indoor heated pool, a 1 200-seat spectator stand, an outdoor training pool, and a leisure pool, complemented by upgraded amenities such as changing facilities, an entrance hall, a filtration plant room and a pool management office. Prioritising inclusive and sustainable design, the project aims to promote healthy living through increased greenery coverage and accessibility features integrated across all spatial and landscaping elements to serve users of all abilities.

By adopting low-impact construction to minimise earthworks and material waste, alongside passive design strategies and energy-efficient systems, the project achieved a Provisional Gold Rating under the BEAM Plus New Buildings in recognition of its sustainable performance.



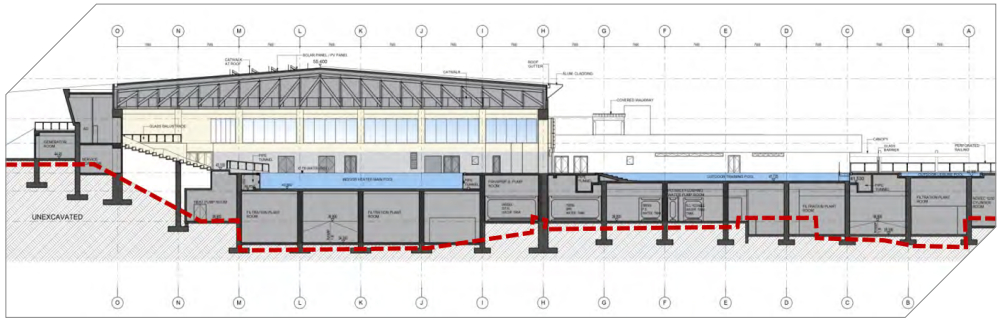
CASE STUDY

KOWLOON TSAI SWIMMING POOL COMPLEX



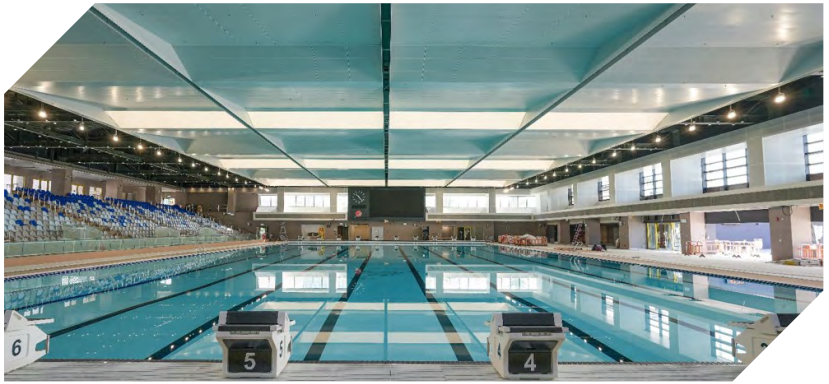
KEY FEATURES

The building height was restricted to 18.5 metres to minimise visual impact, while the rooftop garden offers visitors scenic views of the pool complex against lush greenery.



The new pool facilities were designed to follow the site's natural topography, minimising excavation and backfilling. This balanced cut-and-fill volumes approach reduced material imports and waste disposal.

The landscape design caters to diverse park users, with greenery seamlessly connecting the pool complex to its natural surroundings. Following redevelopment, greenery now covers approximately 20% of the site area.

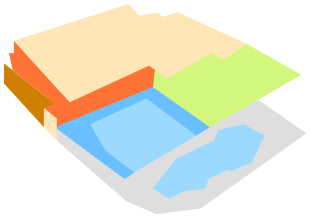


The design created diffused natural lighting through deep recessed windows, shading overhangs and high ceilings. Computer simulations further optimised illumination levels and identified glare issues in advance.

The ArchSD Elderly-friendly Design Guidelines was adopted to integrate accessible features from building layout to landscape detail.

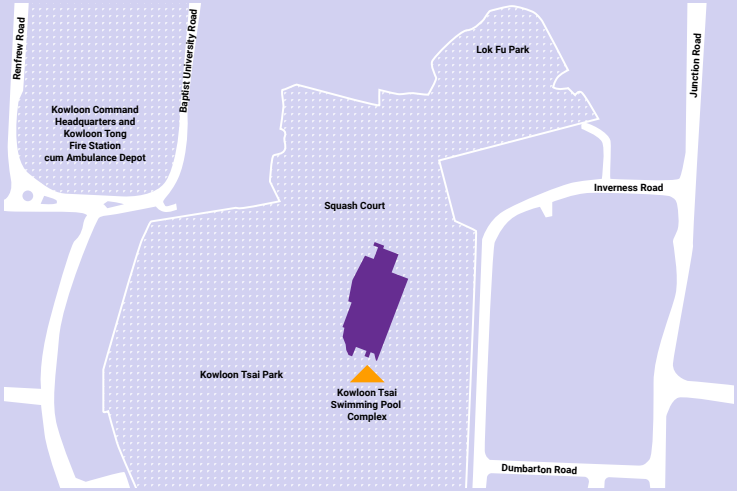
CASE STUDY

KOWLOON TSAI SWIMMING POOL COMPLEX

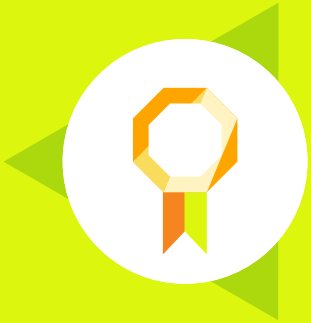


LOCATION

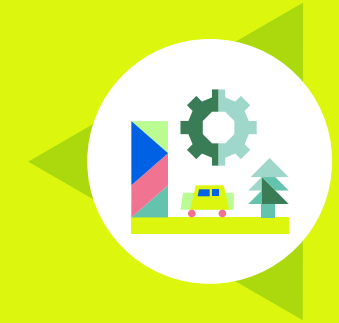
13 Inverness Road, Kowloon City, Kowloon



LEARN MORE



Achieved a Provisional Gold Rating under the BEAM Plus New Buildings Version 1.2 assessment.



The redevelopment project involves demolishing existing outdoor pool facilities; upgrading Inverness Road access to meet the Emergency Vehicle Access standards; enhancing park circulation; and improving the adjacent Bauhinia Garden landscape.

CASE STUDY

TSEUNG KWAN O SOUTH PARK

A Model for Climate-Resilient Blue-Green Drainage Infrastructure

Tseung Kwan O South Park is a large-scale pilot project for climate-adaptive landscape, integrating the Sponge City Concept (SCC) and Water-Sensitive Urban Design into its landscape and drainage systems. Spanning 3.8 hectares, the park is designed to address the city's evolving needs through sustainability, biodiversity enhancement, and community well-being.

The Park features an advanced water management system designed to reduce flood risk and recycle water. Its goal is to capture 70% of rainwater through a network of sustainable elements, including rain gardens, bioswales, a zero irrigation garden, a detention lawn, permeable paving and an underground stormwater storage tank with a capacity of about 142 000 litres. This system is equipped with real-time sensors to collect data for tracking runoff-capture performance. Additionally, the park incorporates renewable energy solutions, such as an air-improvement photovoltaic glazing system and solar lighting, to power the lighting system and improve air quality.

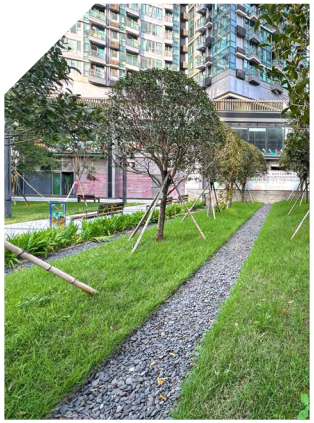
The park's large greenery coverage mitigates urban heat island effects and enhances biodiversity. Over 40 types of trees and 80 types of shrubs and groundcover are planted in the park. Flowering trees such as pink trumpet trees, Guangzhou cherry blossoms promote well-being and sense of identity while nectar plants support pollinator habitats.

The park also features inclusive recreational spaces such as accessible play zones, fitness stations and interactive sand play areas — catering to visitors of all ages and abilities, as well as educational panels aiming to raise public awareness about climate resilience & SCC with intriguing cartoon-illustrations.

CASE STUDY

TSEUNG KWAN O SOUTH PARK

KEY FEATURES



Rain gardens and bioswales store and filter rainwater, while permeable paving reduces runoff. Real-time sensors track performance on rainwater capture, setting a model for flood-resilient, sustainable blue-green infrastructure.

Air-improvement photovoltaic glazing system and solar lighting power the park. Water is collected from planters and cycled back to a storage tank for irrigation reuse. This approach is enhanced by a “zero irrigation” system at the zero irrigation garden, which is designed with integrated storage to hold excess water, making it entirely self-sustaining and eliminating the need for external watering.

Dynamic play zones, wheelchair-accessible seating, and fitness stations promote inclusivity. Educational panels are also provided to raise public awareness of climate resilience and SCC.

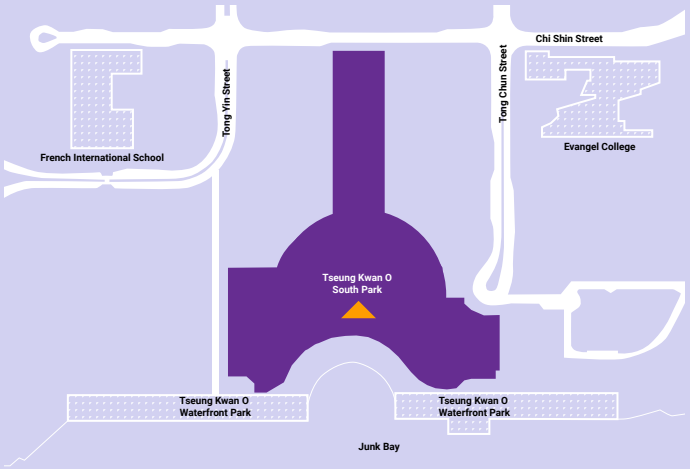
The park’s large greenery coverage mitigates urban heat island effects and enhances biodiversity. including over 700 trees and 110 000 shrubs, cools the urban environment and attracts pollinators — transforming the reclaimed site into a biodiversity hotspot.

CASE STUDY

TSEUNG KWAN O SOUTH PARK

LOCATION

15 Chi Shin Street, Tseung Kwan O, New Territories



LEARN MORE

To combat the imminent threats of climate change, the HKSAR Government introduced the SCC in the Hong Kong's Climate Action Plan 2030+ in 2017 and promulgated the Technical Circular (Works) No.9/2020 Blue-Green Drainage Infrastructure in 2020, setting out the policy for wider adoption of blue-green drainage infrastructure elements in the design of drainage measures for all government projects, with a view to enhancing the adaptive capacity of the drainage system to reduce surface runoff and improve water quality.

This policy brings associated benefits such as place-making, promoting urban biodiversity, improving air quality and mitigating urban heat island effect.

CASE STUDY

NORTH DISTRICT COMMUNITY HEALTH CENTRE BUILDING

Promoting Wellness Through Design

As a cornerstone of Hong Kong's 10-year Hospital Development Plan, the North District Community Health Centre Building is designed to enhance public primary care and community support. Operated jointly by the Hospital Authority, Department of Health and Social Welfare Department, this 10-storey, refurbished integrated facility spans approximately 9 000 m2, offering comprehensive, one-stop primary and community healthcare services for residents in the North District.

From spatial planning to optimised window-to-wall ratios and façade material selection, the building balances sustainable design with user comfort, addressing solar heat gain reduction, daylight optimisation, and neighbourhood views. Its innovative features—including energy-efficient double façades and wellness-promoting staircases—reflect a commitment to environmental stewardship and community well-being, catering to a growing and ageing population. This holistic approach earned the project Platinum certification under the BEAM Plus New Buildings assessment.

CASE STUDY

NORTH DISTRICT COMMUNITY HEALTH CENTRE BUILDING

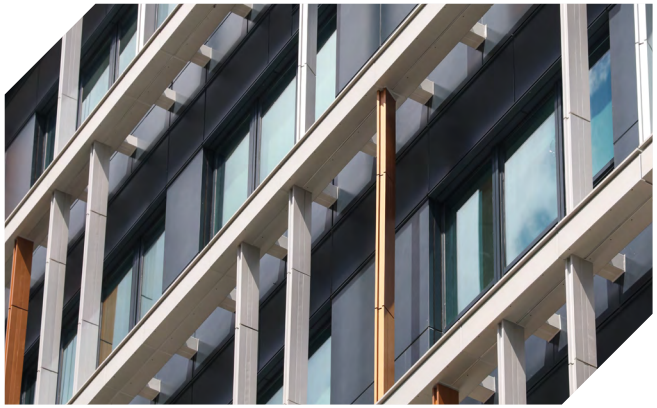
KEY FEATURES

綠葉 年輕，活力	vitality and growth
年輪 代表多年經驗	experience and strength
種子 代表新生命開始	new beginning
大咀鳥 安静、个性温驯、说话能力佳的种类	calm & quiet
鸚鵡 說話學習能力強	Strong learning skills
黑臉琵鷺 香港候鳥群體生活，會互相幫助	Community life, help each other
啄木鳥 專食樹木上害蟲	The "Tree Doctor"
貓頭鷹 夜晚視力強	The "Wise Watcher"
樹木 生命力	growth
木紋 生命&年輪	cycle of life

Modernised facilities and vibrant "Loop of Life" design theme create a hopeful and joyful environment for visitors and the community. Each floor's artistic touches reflect its mission to enhance the social well-being while meeting growing healthcare demands in the North District.

The "Wellness-promoting Staircase" encourages patient and staff to choose stairs over lifts, fostering physical activity while reducing energy consumption.

Photovoltaic panel system and energy-efficient technologies such as sun-shading fins slash annual CO_2 emissions by 15%.



The double façade's theme-coloured accents minimise solar heat gain with abundant natural lighting, ensuring comfort without compromising daylight access for neighbouring buildings.

CASE STUDY

NORTH DISTRICT COMMUNITY HEALTH CENTRE BUILDING

LOCATION

3 Wai Wo St, Sheung Shui, New Territories

LEARN MORE

Achieved Platinum certification under the BEAM Plus New Buildings Version 2.0.

Winner of HKIPM Project Management Achievement Awards 2024 under the Construction/Engineering category.

Commended as an exemplary case study, the project adopted the New Engineering Contract, leveraging the spirit of collaborative partnership address risks, enhance management efficiency a quality control.

The project involved demolition of an existing 2-storey school building followed by design and construction of a 10-storey community health centre and associated social welfare facilities on a constrained site next to Pak Wo Road and Fanling Highway.

CASE STUDY

REFURBISHMENT OF TOILET BLOCKS AT PET GARDEN OF CENTRAL AND WESTERN DISTRICT PROMENADE

Redefining Urban Sustainability

In the heart of Hong Kong's bustling waterfront, a once-ordinary public toilet has been revitalised into a dynamic urban oasis. Combining low-carbon innovation, inclusive design and outdoor amenities, this refurbished facility at the Central and Western District Promenade now serves as a vibrant community hub.

Award-winning and human-centric, the new facility is designed for diverse users. It features a family-friendly toilet, inclusive unisex facilities, water bottle fillers, and resting benches—catering to outdoor lifestyles while providing spaces for relaxation and social interaction. Passive design strategies, including an internal vegetated landscape for cross-ventilation and a semi-open façade for natural daylighting, enhance user comfort while reducing energy demand. The façade with vibrant colour palette incorporated with featured urban skyline, echoes the Promenade's greenery to create an iconic landmark.

Advancing Net zero is central to the design. By retaining the existing structure and systems, employing 3D concrete printing technology and utilising low-carbon materials—such as green concrete, glassfibre-reinforced plastic for facades, recycled palm fibres for cubicle partitions, and recycled glass for walls—the project achieved a remarkable 60% reduction in embodied carbon through a circular economy model. Renewable energy systems—including air-improvement photovoltaics (PV), a solar tree with wind turbines, and walkable PV paving—further slashed operational carbon emissions by 70%.

CASE STUDY

REFURBISHMENT OF TOILET BLOCKS AT PET GARDEN OF CENTRAL AND WESTERN DISTRICT PROMENADE

KEY FEATURES

The Pet Garden Toilet Blocks redefine urban sustainability. Achieving a 60% reduction in embodied carbon and 70% in operational emissions through sustainable design and renewable energy.

Refurbished, not rebuilt—this project maximises low-carbon building materials, renewable energies (solar and wind), proving sustainable retrofits can drastically reduce carbon footprint.

An inclusive oasis featuring a family-friendly toilet, accessible unisex toilet, water refill stations, and resting benches amidst lush greenery.

The semi-open facade and interior greenery promote natural airflow and daylight, reducing energy use while offering a refreshing escape from the city's hustle.

Beyond a restroom—this space fosters sustainable urban living through public education initiatives and a design that embodies Hong Kong's eco-conscious culture.

CASE STUDY

REFURBISHMENT OF TOILET BLOCKS AT PET GARDEN OF CENTRAL AND WESTERN DISTRICT PROMENADE

LOCATION

Central and Western District Promenade (Central Section), Lung Wo Road, Hong Kong

LEARN MORE

This groundbreaking project has earned international acclaim, including the A'Design Award, Architizer Award, Greater Bay Area Urban Design Award, Green Good Design Award and HKIPM Award —demonstrating a transformative approach to sustainable architecture in Asia's urban landscapes.

Strategic collaboration with local universities and research institutes advances adoption of 3D printing technology.

Integration of passive design, use of recycled materials and renewable energy showcases Hong Kong's commitment to promoting a low-carbon city.

CASE STUDY

TAI FU TAI MANSION

HBIM for Cultural Heritage Conservation

The ArchSD has launched a groundbreaking initiative by implementing Heritage Building Information Modelling (HBIM) at Tai Fu Tai Mansion—Hong Kong's first government-owned Chinese-style historic monument to adopt this technology. This pilot project sets a new benchmark for heritage conservation, combining advanced 3D photogrammetry, historical research, and 4D animations to create a comprehensive digital record of the mansion's architectural evolution and historic features (1865–2021), thereby enabling precise maintenance, management, and long-term preservation of this cultural treasure for future generations.

The HBIM platform serves as an interactive conservation tool, allowing users to visualise, share and navigate detailed heritage data, including the building's dimensions, conservation status, and character-defining elements (CDEs)—from intricate Lingnan Guangfu decorative lime plaster moulding to traditional timber pitched roof structure.

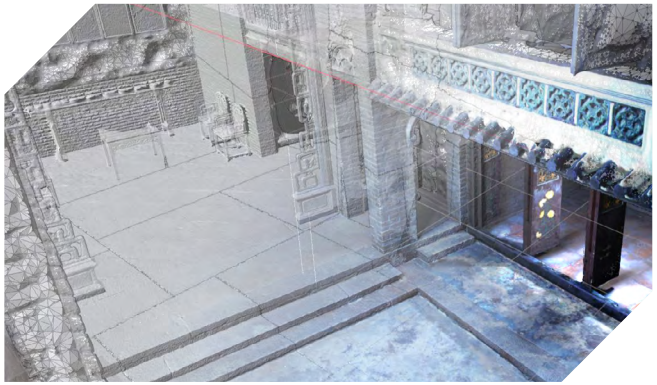
By digitally reconstructing traditional construction sequences and techniques through 4D animations, the ArchSD bridges the gap between artisan skills and cutting-edge technology, preserving invaluable craftmanship knowledge in an enduring digital repository. This innovative approach not only enhances conservation efficiency but also safeguards Hong Kong's cultural legacy through digital archiving and precision restoration.

Visit our website to learn more about implementation of HBIM at Tai Fu Tai Mansion.

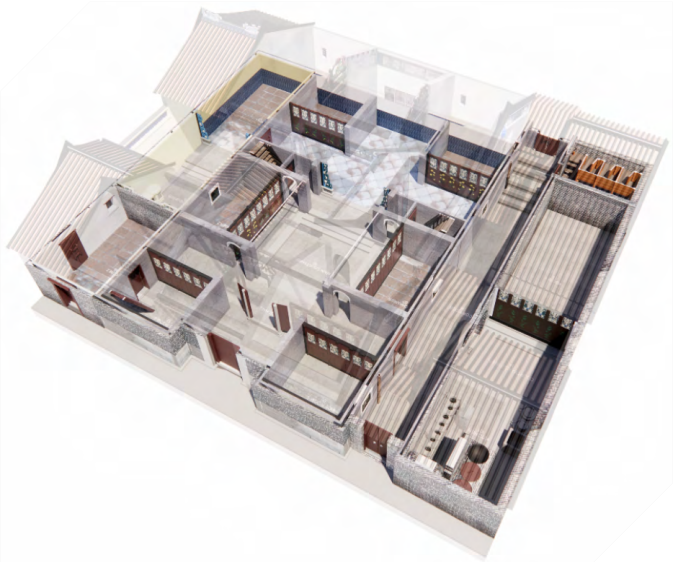
CASE STUDY

TAI FU TAI MANSION

KEY FEATURES

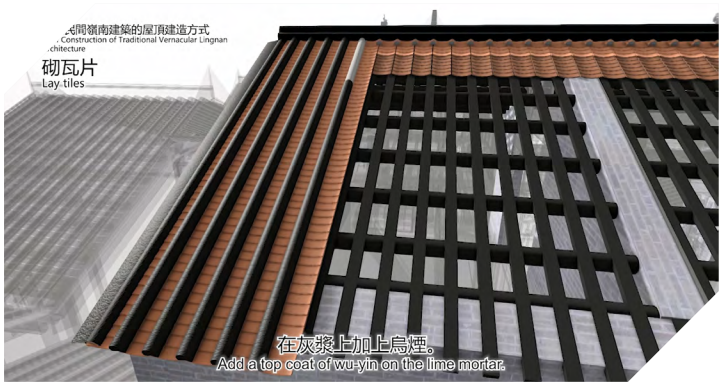


High-resolution photogrammetry and point cloud scans capture every CDE, forming the basis for the conservation management plan and archival records.



Tai Fu Tai Mansion—Hong Kong's first government-owned Chinese monument to utilise BIM for heritage conservation. The detailed 3D model documents the building's dimensions, conservation status and CDEs, providing a benchmark for future restoration and maintenance.

The 3D HBIM model with CDE Schedule enables streamlining maintenance planning and implementation for historic structures.



4D animations visualise traditional construction sequences (e.g. pitched roof assembly), helping artisans and maintenance personnel replicate historical techniques accurately.

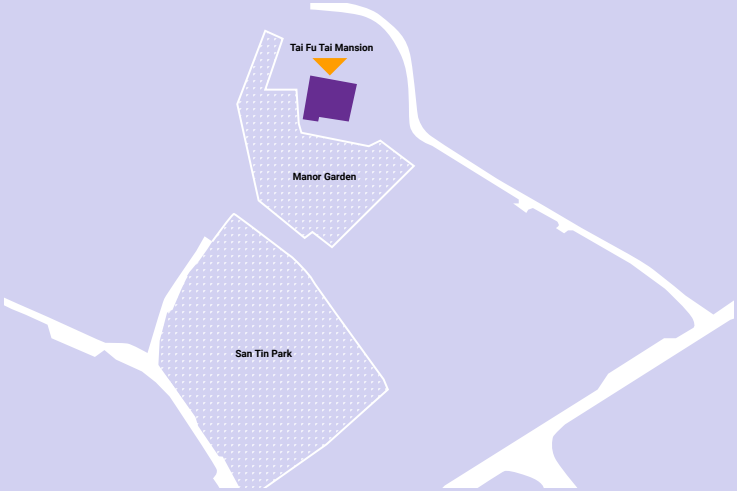
Close-range 3D laser scanning and 3D printing allow precise replication of very fine 3D character-defining elements, ensuring authentic repairs by skilled craftsmen.

CASE STUDY

TAI FU TAI MANSION

LOCATION

Wing Ping Tsuen, San Tin, Yuen Long, New Territories



LEARN MORE

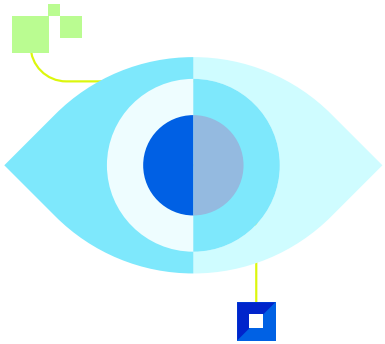
Tai Fu Tai Mansion was declared a historic monument in 1987. The full restoration of Tai Fu Tai Mansion was completed in 1988 under the supervision of the Antiquities and Monuments Office and the ArchSD.

Tai Fu Tai is a fine example of a traditional dwelling of the scholar-gentry class in southern China and one of the most beautifully embellished historic buildings in Hong Kong.

Built in 1865 in the Qing dynasty, the Mansion served as the residence of Man Chung-luen (the Man clan) originated in Sichuan, finally settled in San Tin, Yuen Long in the 15th century.

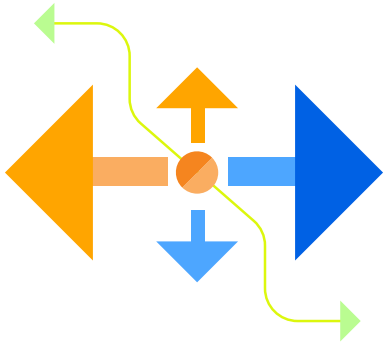
ARCHSD AT A GLANCE

Our Organisation and Roles



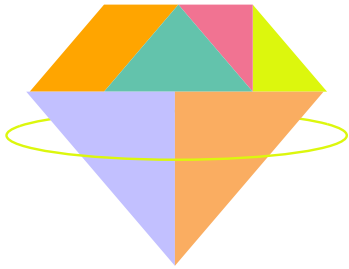
VISION

- Serve the community
- Take care of the community
- Provide quality professional services
- Improve the quality of the living environment



MISSION

- Ensure the quality, cost-effectiveness and sustainable development of community facilities
- Ensure the quality and cost-effectiveness in the upkeeping of community facilities
- Provide quality professional advisory services on community facilities and related matters
- Promote best practices in the building industry



VALUES

- Professionalism
- Commitment
- Accountability
- Integrity
- Versatility
- Continuous Improvement
- Team Spirit
- Partnering Spirit
- Caring Attitude

ARCHSD AT A GLANCE

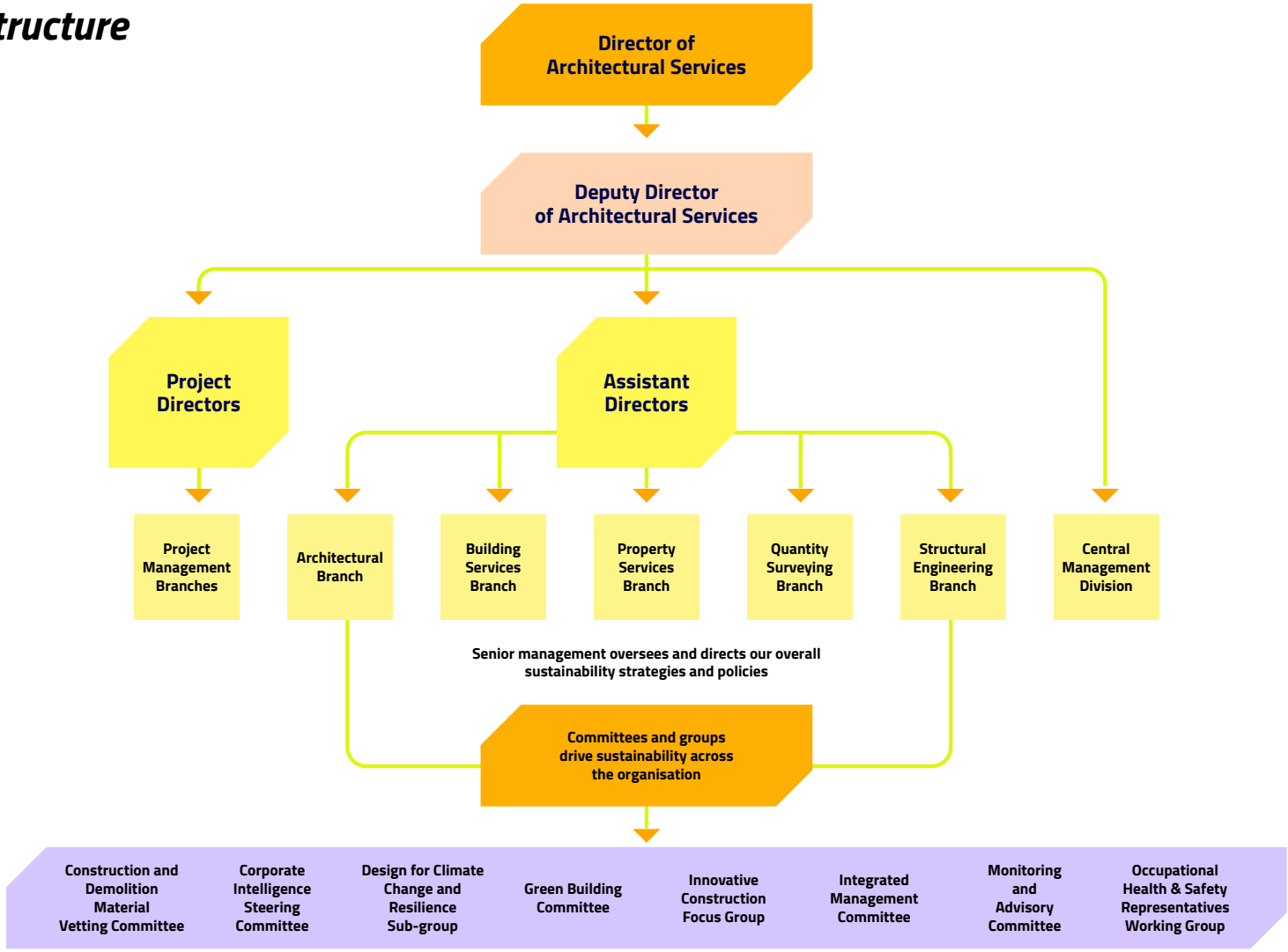
Our Organisation and Roles

ArchSD's Role in the Government of the HKSAR

ARCHSD AT A GLANCE

Our Organisation and Roles

Organisation Structure



ARCHSD AT A GLANCE

Our Organisation and Roles

Management Team

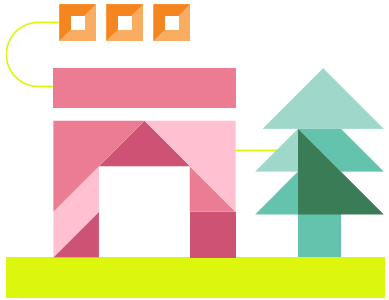
- **Mr Michael LI, JP**
  Director of Architectural Services
- **Mr Alan SIN**
  Deputy Director of Architectural Services
- **Mr M. C. CHUNG**
  Assistant Director (Architectural)
- **Mr M. Y. CHAN**
  Assistant Director (Building Services)
- **Mr Raymond CHAN**
  Assistant Director (Property Services)
- **Ms Katherine LEUNG**
  Assistant Director (Quantity Surveying)
- **Mr C. Y. KAN**
  Assistant Director (Structural Engineering)
- **Ms Winnie CHONG**
  Departmental Secretary
- **Ms Athena FUNG**
  Project Director/1
- **Mr Edward WONG**
  Project Director/2
- **Ms Lilian CHEUNG**
  Project Director/3
- **Mr Ben YEUNG**
  Project Director/4

ARCHSD AT A GLANCE

Our Organisation and Roles

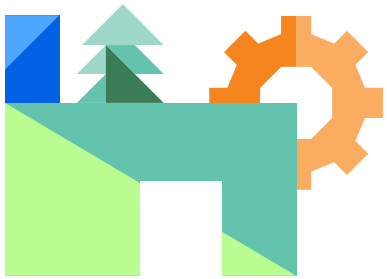
Core Functions

The ArchSD performs three core functions for Government-owned and Government-funded facilities:



Monitoring and Advisory Services

Providing effective professional and technical advice to the Government and quasi-government organisations and to oversee subvented and entrusted projects.



Facilities Upkeep

Providing efficient and cost-effective professional and project management services for the maintenance and refurbishment of buildings and facilities.

Facilities Development

Providing efficient, cost-effective and timely architectural and associated professional and project management services for the design and construction of buildings and related facilities.

ARCHSD AT A GLANCE

Key Facts of the Department

Our Services and Contributions

Number of Subvented/Entrusted Projects Reviewed	Number of Facilities Development Projects Completed	Number of New Jobs Created	New Works and Term Contracts Commenced
639	***34***	***9 195***	***19***

Government Spending on Building Projects	Value of New Works Development	Building Floor Area of Properties Maintained
HK$ ***28,207.80*** million	HK$ ***337.96*** billion	***34 110 000*** m²

Establishment Date

11 April 1986

Headquarters

Queensway Government Offices,
66 Queensway, Hong Kong

Other Offices

APB Centre, Hunghom, Kowloon

Cityplaza 3, 14 Taikoo Wan Road, Quarry Bay, Hong Kong

Immigration Tower, 7 Gloucester Road, Wan Chai, Hong Kong

Rumsey Street Multi-storey Carpark, 2 Rumsey Street, Sheung Wan, Hong Kong

Wanchai Tower, 12 Harbour Road, Wan Chai, Hong Kong

Other premises (employed by the ArchSD in delivering public services)

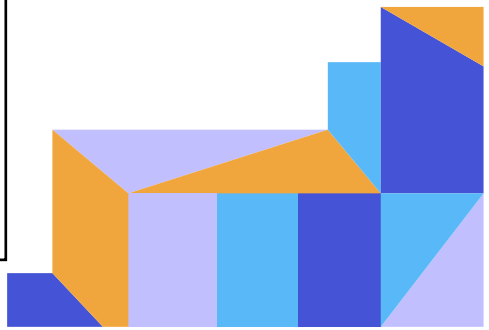
Staff Establishment

2 008 **employees**

(As at 31 March 2025)

Total Office Area

42 501.64 m²

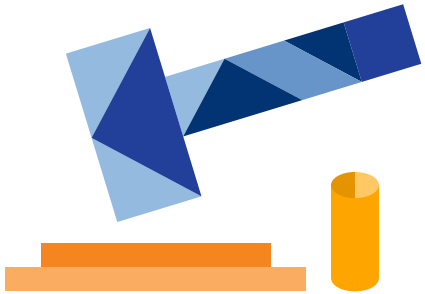


ARCHSD AT A GLANCE

Departmental Funding and Expenditure

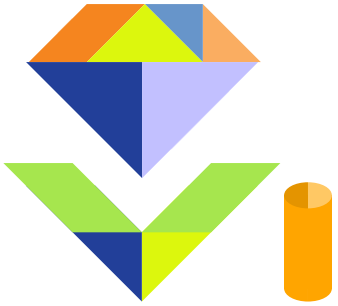
Funding

Our departmental operation is funded by



the Capital Works Reserve Fund, which is approved, monitored and reviewed by the Legislative Council

the Lotteries Fund, which is approved by the Director of Social Welfare



the Anti-epidemic Fund, which was launched by the Government in 2020

ARCHSD AT A GLANCE

Departmental Funding and Expenditure

Expenditure

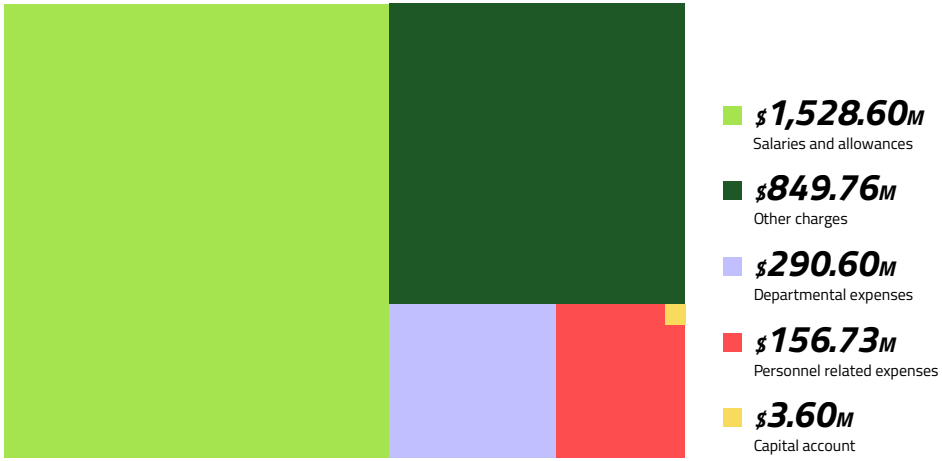
In the financial year 2024-25, departmental expenditure increased by 4.51% as compared with the previous financial year. A breakdown of our Department and programme areas for 2024-25 is listed below.

Financial information and key performance details can be found in the ArchSD Controlling Officer's Report of the 2025-26 Estimates of the Government of the HKSAR, which is available at www.budget.gov.hk.

Actual Departmental Expenditure: $2,829.29M

(4.51% increase as compared with last financial year)

By Category (Total: $2,829.29M)



$1,528.60M
Salaries and allowances

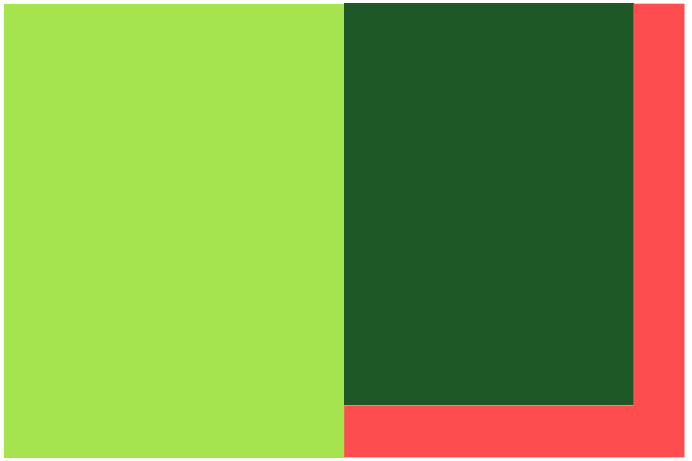
$849.76M
Other charges

$290.60M
Departmental expenses

$156.73M
Personnel related expenses

$3.60M
Capital account

By Programme (Total: $2,829.29M)



$1,407.20M
Facilities upkeep

$1,014.92M
Facilities development

$407.17M
Monitoring and advisory services

[1] The actual Departmental Expenditure for 2024-25 was HK$2,829.29 million. This represented a 4.51% increase as compared with the actual Departmental Expenditure for 2023-24 of HK$2,707.19 million.

[2] There are three programme areas of ArchSD's services: Monitoring and advisory services, Facilities upkeep and Facilities development.

BUILD ROBUST SUSTAINABILITY GOVERNANCE

Our Strategy and Approach

Sustainability drives the way we work with our stakeholders in the communities we serve. The ArchSD has a sound governance system with long-term sustainability objectives and a mechanism for monitoring progress.

From driving development to conserving heritage, we are committed to addressing environmental challenges, providing safe and healthy workplaces, and enriching the well-being and cultural legacy of our communities.

Senior Staff Forum

Management plays a critical role in overseeing and implementing governance processes, controls and procedures. This includes monitoring key business activities, setting sustainability strategies and targets, and tracking progress to ensure effective outcomes.

Chaired by the Director, the Senior Staff Forum (SSF) is the governing body responsible for setting ArchSD's strategic direction and policies. The SSF provides executive leadership for departmental performance and administration, ensures effective policy implementation, and drives high efficiency and productivity. It also fosters strong staff morale, and manages responses to major issues and emergencies.

BUILD ROBUST SUSTAINABILITY GOVERNANCE

Our Strategy and Approach

Monitoring and Advisory Committee

Chaired by the Director and supported by internal committees and working groups, the Monitoring and Advisory Committee (MAC) drives the implementation of sustainability-related initiatives across the organisation. Its key responsibilities include:

- Provide strategic oversight directing sustainable operations and policy implementation
- Develop the Department's sustainability roadmap and set the agenda for sustainable development
- Formulate, review and evaluate sustainability frameworks, including policies, strategies, goals and performance metrics, while assessing quarterly reports on emerging sustainability-related risks and opportunities.
- Conduct comprehensive assessments of projects' potential environmental and social impacts, including short- and long-term community effects and ecological consequences. These concerns and requirements are embedded in tender documents, which mandate contractors to develop mitigation measures, implement remediation plans, and monitor ongoing impacts.

The ArchSD balances sustainability objectives with practical considerations including cost and manpower availability. This involves evaluating trade-offs such as higher initial investments in energy-efficiency systems against their long-term benefits, or the operational requirements of sustainable practices against project timelines. Where limitations exist, the ArchSD implements scalable solutions that align with both financial parameters and environmental commitments.

BUILD ROBUST SUSTAINABILITY GOVERNANCE

Embedding Sustainability

We integrate sustainable development considerations into every stage of project delivery and facet of our operations. We have established a set of policies, guidelines and system controls, striving to maintain the highest standards across our services and operations:

Policies and Guidelines

Quality, Environmental, Anti-bribery, Occupational Health and Safety Policy

Our commitment to long-term sustainability is reflected in the *Quality, Environmental, Anti-bribery, Occupational Health and Safety Policy* and its guidelines outlined below:

- Fulfil the agreed requirements of our clients to the highest professional standards.
- Deliver our services in an environmentally responsible manner by implementing conservation of energy, preventing pollution and reducing the consumption of natural resources to protect the environment.
- Manage to eliminate our hazards and reduce our occupational health and safety risks to ensure and provide a safe and occupational healthy environment for the prevention of work-related injury and ill health from our staff, our contractors and other people who may be affected by our work.
- Involve and, where appropriate, consult our staff, our contractors and other people who may be affected by our work, and their representatives in the improvement of our occupational health and safety performance.
- Fulfil all compliance obligations including applicable legislation and other requirements, and wherever practicable, to achieve standards beyond those that are legally required.
- Provide adequate resources and training to all staff and provide appropriate training to persons working for or on behalf of ArchSD and to continually improve our quality, environmental, anti-bribery, occupational health and safety management system to enhance performance and effectiveness.
- Promote ArchSD's principles of quality, environmental sustainability, anti-bribery, occupational health and safety to our partners in work, the construction industry and the general public.
- Prohibit bribery, encourage raising concerns and commit to continual improvement of anti-bribery management system.

BUILD ROBUST SUSTAINABILITY GOVERNANCE

Embedding Sustainability

Integrated Management System

To align our services and operations with globally recognised benchmarks, the ArchSD has implemented a robust Integrated Management System (IMS) comprising aspects of quality, environmental, anti-bribery, occupational health and safety and energy management for a unified framework for operational excellence. We also refer to the ISO 26000:2010 for guidance on operating in a socially responsible way. To foster continuous improvements, we conduct annual performance reviews of the IMS to ensure ongoing compliance and improvement.

Integrated Management System Accredited Certification

ISO 9001:2015 Quality Management Accredited Certification

ISO 14001:2015 Environmental Management Accredited Certification

ISO 37001:2016 Anti-Bribery Management Accredited Certification

ISO 45001:2018 Occupational Health & Safety Management Accredited Certification

ISO 50001:2018 Energy Management Accredited Certification

BUILD ROBUST SUSTAINABILITY GOVERNANCE

Embedding Sustainability

In 2024, the ArchSD established approximately 90 annual targets for its IMS system. The table below summaries those targets linked to sustainability.

2024 Sustainability-related Targets and Achievements

Targets	Outcome
Maintain an accident rate of less than 0.3 reportable accident per 100 000 man-hours worked in ArchSD Contracts	0.24
Arrange at least 12 external safety training courses annually for project and office staff, covering topics on the latest safety technologies, current legislations and accident investigation	15
Organise at least 4 in-house workshops on safety and health	4
100% of completed projects receive an overall performance rating of 'Satisfied' or above in the Client Satisfaction Survey	100%
At least 95% of new projects shall reduce the use of timber by using alternative structural solutions such as metal hoarding, system formwork, metal formwork, semi-precast flooring system, precast roofing, dry walls and other structural means such as MiC and DfMA	100%
Achieve at least a 6% reduction in electricity consumption (kwh) at both the QGO and APB Centre, using 2018 as the baseline year	QGO: 23.4% APB Centre: 10.7%
Achieve at least a 6% reduction in paper consumption from the 2018 baseline	A4 paper: 40.7% A3 paper: 47.0% Envelope: 26.7%
Recycle at least 50% of annual consumption of used paper (kg) in ArchSD Offices	86%

BUILD ROBUST SUSTAINABILITY GOVERNANCE

Embedding Sustainability

Supporting the UNSDGs

The ArchSD has strategically aligned our operations and sustainability efforts with 9 United Nations Sustainable Development Goals (UNSDGs) with a view to contributing to global sustainable development through local action.

UNSDG 3: Good Health and Well-Being

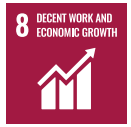
We integrate social considerations and people-centric design into our projects to enhance the quality of urban living. We are also committed to fostering the wellness of our employees and value chain in line with international occupational health and safety standards and best practices, as well as through regular risk assessments, safety inspections and wellness programmes.

UNSDG 5: Gender Equality

We value diversity in the workforce and provide equal opportunities for employment, talent and leadership development.

UNSDG 7: Affordable and Clean Energy

We integrate renewable energy technologies into all projects, design and construct energy-efficient buildings, and leverage advanced technologies in our offices to enhance energy and resource efficiency.



UNSDG 8: Decent Work and Economic Growth

We offer training opportunities to enhance service quality, project efficiency and empower personal and professional development of our people. We also create jobs and develop quality, inclusive and sustainable buildings and facilities to support economic, social and environmental developments in Hong Kong.

UNSDG 9: Industry, Innovation and Infrastructure

We build climate-resilient infrastructure to support sustainable development in Hong Kong. We also foster industry innovation through robust application of innovative and high-productivity construction technologies and materials, guidelines and best practices development, insights sharing, field research, as well as cross-sectoral stakeholder collaboration.

BUILD ROBUST SUSTAINABILITY GOVERNANCE

Embedding Sustainability

Supporting the UNSDGs

UNSDG 11: Sustainable Cities and Communities

We provide high-quality public buildings and facilities that prioritise safety, inclusiveness and environmental sustainability; promote social interaction among diverse populations; and participate in voluntary services to enhance community wellness. We also embrace innovative technologies and construction methods to reduce our projects' social and environmental impacts, drive development and enrich cultural heritage.

UNSDG 12: Responsible Consumption and Production

We reduce waste at source, promote recycling, as well as enhance project planning and collaboration through innovative construction technologies and methods. We also adopt green procurement and conduct regular audits to review our carbon footprint and operational practices to optimise resource efficiency.

UNSDG 13: Climate Action

We have established a departmental climate change sub-group and formulated the Carbon Neutrality Strategic Framework to facilitate the low-carbon transformation in Hong Kong's built environment.

UNSDG 17: Partnerships for the Goals

We mobilise resources, advocate sustainable building design and construction, and strengthen engagement with the industry as well as the wider community for enhancing policy coherence and building a more sustainable, resilient and low-carbon future together.

BUILD ROBUST SUSTAINABILITY GOVERNANCE

Managing Risk

We take an active approach to risk management. The potential impacts of climate change, natural disasters and other potential hazards and harms to our operations are managed by

- identifying, assessing, mitigating and monitoring potential risks within our operational control;
- reporting details of the risk assessment to the Department for consideration in decision-making processes;
- following the guidelines published by the Development Bureau, including the Technical Circular (Works) No. 6/2005: Implementation of Systematic Risk Management in Public Works Projects; and
- conducting integrated risk assessment workshops throughout the entire project lifecycle to identify project risks and formulate precautionary control measures.

Climate-related Risks and Opportunities

Managing climate-related risks and opportunities ensures long-term resilience, business continuity as well as informed decision-making. The ArchSD has adopted the four main recommendations put forth by the Task Force on Climate-related Financial Disclosures (TCFD) for disclosing our climate-related risks and opportunities. Occupational health and safety aspect is also taken into consideration when managing our risks.

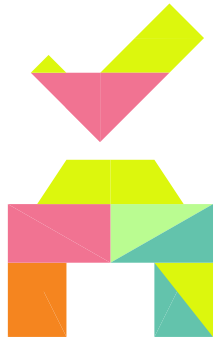
We summarise our approach to corporate governance, strategy, risk management and metrics and targets below according to the TCFD reporting framework.

Governance

We take both top-down and bottom-up approaches to ensure effective management with respect to our governance around climate-related risks and opportunities.

As part of our top-down approach, the MAC meets regularly to oversee risk management of the Department, including climate-related risks. We have also established a Green Building Committee, which advises and implements policy initiatives, departmental policies and strategies related to green buildings and sustainable construction.

Our staff have an important role to play in our bottom-up management approach. A Design for Climate Change and Resilience sub-group was established to develop best practices and design guidelines against incidents such as extreme weather, outbreaks of disease and vandalism. Staff can also share their opinions through multiple communication channels, such as meeting, internal Chatapp and email.



BUILD ROBUST SUSTAINABILITY GOVERNANCE

Managing Risk

Strategy

To address the actual and potential impacts of climate-related risks on the organisation's businesses, strategy, and financial planning, we have formulated a strategy covering the risks and opportunities associated with climate change.

Climate-related Risks

Physical Risks

These include acute risks, such as increased intensity and frequency of extreme weather events (e.g. typhoons, flooding and extreme heat) and chronic risks, such as rising temperatures and sea levels.

Transition Risks

There are also risks associated with the transition to a low-carbon economy:

Policy and Legal Risk
Keep up with the latest environmental policies

Technology Risk
Transition to low emissions technology

Market Risk
Increased market demand for green building guidelines

Reputation Risk
Increased risk of greenwashing

Climate-related Opportunities

The built environment in Hong Kong is experiencing a transformative growth in sustainable development along with a rising market demand for green buildings, driven by heightened environmental awareness in the industry, strengthened government regulations and green incentives, as well as demonstrated economic benefits of sustainable construction practices.

The rising demand will create opportunities for increasing investments in sustainable design and construction and a wider adoption of innovative green technologies in building projects, thereby facilitating low-carbon transformation for sustainable development.

BUILD ROBUST SUSTAINABILITY GOVERNANCE

Managing Risk

Risk Management

	Current and Anticipated Effect(s)		Our Current and Future Strategies
Physical Risks	Increased physical impacts on existing buildings and infrastructure		▪ Conduct routine maintenance to tackle the impacts of physical climate risks on organisation's assets ▪ Promote "Design of Resilience" in building design and raise staff awareness to optimise the interaction between a building and its local microclimate ▪ Provide technical guidelines on all building works during extreme weather conditions ▪ Conduct regular offsite offline backup to secure local storage of all data for ArchSD's operations
	Staff safety under extreme weather conditions		▪ Provide guidelines in our ArchSD Management Plan for Emergency Incidents ▪ Launch work arrangements in times of heat stress, tropical cyclones and rainstorms
Transition Risks	Policy and Legal Risks	Keep up with the latest environmental policies and circulars	▪ Engage external committees to keep track of market or policy updates ▪ Incorporate updates of the circulars on Green Government Building into departmental environmental objectives and targets and General Specifications ▪ Utilise multiple communication channels to update all concerning parties
	Technology Risk	Transition to low emissions technology	▪ Set up the Innovative Construction Focus Group ▪ Conduct regular meetings with other government departments and professional institutions to keep abreast of the latest developments ▪ Expand resources dedicated to staff training on adopting innovative technologies
	Market Risk	Increased market demand for green building guidelines to keep up with international standards	▪ Update the *General Specification for Building* and the *General Specification for Building Services Installation in Government Buildings* ▪ Provide professional advice and recommendations related to sustainable building design and construction in external committees
	Reputation Risk	Increased risk of greenwashing	▪ Enhance credible third-party certification and sustainability benchmarking

BUILD ROBUST SUSTAINABILITY GOVERNANCE

Managing Risk

Metrics & Targets

We have set targets to manage climate-related risks and opportunities.

At the organisation level, we have achieved ISO 14001 Environmental Management System certification coupled with annual reviews of our environmental performance, as well as monthly reviews of our green housekeeping progress as metrics.

We have also set annual electricity consumption targets and measured our progress according to the Green Energy Targets (published by the HKSAR Government) and the Green Manager's Environmental Targets (published by the ArchSD). See our data summary.

At the project level, we have included incentive marks to enhance green performance in the tender proposals. Guidelines and checklists are also provided for project proponents to evaluate the environmental impacts of the projects.

Following the consultancy study, we launched the "3A Strategy" under the Carbon Neutrality Strategic Framework in 2024 and engaged our stakeholders. This initiative aims to accelerate progress in decarbonising the built environment by harnessing smart, innovative and green solutions; and advocate for collective action to drive sustainable construction for a low-carbon future in Hong Kong.

Contingency Plans

To protect our operations under a wide range of scenarios, we have set up a Site Safety and Environmental Review Committee to oversee and continuously improve the ArchSD Management Plan for Emergency Incidents. This comprehensive strategy plan not only gives us the ability to recover rapidly from a variety of emergency incidents, such as adverse weather events, natural disasters, fire and accidents, but also to anticipate and deal effectively with crises that may arise.

BUILD ROBUST SUSTAINABILITY GOVERNANCE

Maintaining Integrity and Professionalism

The ArchSD attaches great importance to upholding the highest standards of professional conduct and integrity across all operations and practices.

All ArchSD staff must comply with the Prevention of Bribery Ordinance and related regulations. Any suspected case of bribery or corruption is promptly reported to the MAC and the Independent Commission Against Corruption for investigation. We also adhere to all applicable legal and regulatory requirements, including but not limited to anti-corruption and anti-competitive activities. To reinforce compliance with local and international anti-bribery laws, the ArchSD has implemented the ISO 37001:2016 Anti-bribery Management System. This framework strengthens staff training and ensures rigorous adherence to ethical standards. In 2024, we conducted 4 anti-bribery seminars for staff with no cases of non-compliance identified during the reporting period.

To further promote a culture of integrity, we organised 32 workshops on Corruption Prevention & Capacity Building for ArchSD staff and contractor staff, along with a dedicated Integrity Management workshop for new recruits during the year.

In addition, all ArchSD's contractors and suppliers are required to strictly abide by the Hong Kong Laws, including anti-corruption regulations upon tender submission.

Employee Rights

We strictly comply with the Employment Ordinance. We uphold the rights of our staff while enhancing their knowledge, capabilities and resilience by:

- providing employee benefits
- offering on-going professional and personal development opportunities
- encouraging cross-generational and multidisciplinary learning initiatives

Health and Safety

The safety of our staff and industry partners is our top priority. On construction sites ensure strict adherence to – or exceeding – statutory safety requirements and the guidelines published by the Development Bureau. For large-scale projects, Labour Relations Officers are appointed at the outset to address potential safety disputes between contractors and workers.

In addition, we actively promote safety excellence through events, guidelines and initiatives. These include:

- ArchSD Standard on Universal Accessibility Provisions and Elderly-friendly Design Guidelines
- ArchSD's Site Safety Model Workers Award Scheme
- Considerate Contractors Site Award Scheme co-organised by the Development Bureau and Construction Industry Council
- Smart Site Safety System (4S) Labelling Scheme developed by the Development Bureau, in collaboration with the Construction Industry Council

For details of our health and safety management practices and initiatives, see our Holistic Approach to Safety and Sustainability.

Handling Complaints

A grievance mechanism is in place to enable staff to raise concerns and complaints in strict confidence to his or her Departmental Staff Complaints Officer. Similar procedures are in place for handling sexual harassment complaints according to the procedures established by the Civil Service Bureau. No compliance breach was identified during the reporting period.

Client Satisfaction

We conduct half-yearly client satisfaction surveys and maintain a dedicated team to address feedback, optimise performance and drive continuous improvements.

During the reporting period, all completed projects achieved a "Satisfied" rating or above on our overall performance.

BUILD ROBUST SUSTAINABILITY GOVERNANCE

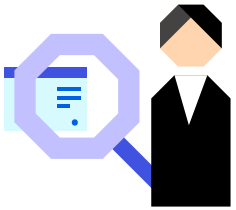
Stakeholder Engagement and Materiality

Listening to our Stakeholders

The ArchSD maintains an active dialogue with various stakeholders through robust two-way communication channels. This engagement strategy enables us to gain insights into stakeholder concerns, priorities and values.

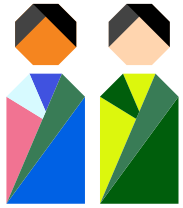
Clients

- After-action Reviews
- Post-occupancy Evaluations
- Surveys
- Workshops



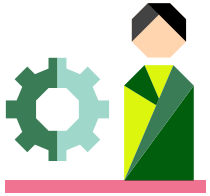
Staff

- Department Consultative Committee
- Staff Associations
- Staff Motivation Scheme
- Staff Relation Units
- Web Forum



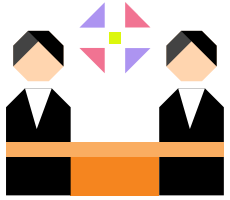
Suppliers

- Events
- Public Seminars



Legislators and District Councillors

- Focus Group Meetings

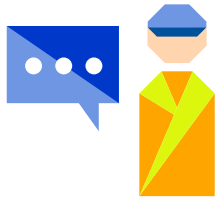


Academic Groups/ Professional Bodies

- Conferences
- Meetings
- Publications
- Training Sessions

Contractors/Consultants

- Events
- Extranet
- Green Contractor Award
- Site Visits



General Public

- ArchSD Sustainability Reports
- Events and Activities
- Exhibitions
- Mass and Digital Media
- Public Seminars

BUILD ROBUST SUSTAINABILITY GOVERNANCE

Stakeholder Engagement and Materiality

Industry Engagement

The ArchSD strives to strengthen engagement with external stakeholders by participating in various government committees as well as industry and professional associations to provide recommendations, share experiences and promote best practices. These include but not limited to:

- **Advisory Committee on Built Heritage Conservation** to provide advice on built heritage conservation;
- **Committee on Planning & Land Development** to consider and review policies on planning and land development issues;
- **Development Bureau Steering Committee for Building Information Modelling (BIM)** to formulate strategies for a wider adoption of BIM technology in major government capital works projects; and to monitor the implementation of BIM technology in public works projects;
- **Hong Kong Green Building Council Sustainable Development Committee** to provide guidance and advice on advanced and impactful sustainable building environment concepts and practices; and
- **Joint Working Group on Modular Integrated Construction (MiC)** to identify suitable technologies and practices of MiC for Hong Kong's built environment

BUILD ROBUST SUSTAINABILITY GOVERNANCE

Stakeholder Engagement and Materiality

Materiality Assessment

To identify the material ESG topics that have the greatest impacts on the ArchSD and our stakeholders, we undertake an annual comprehensive materiality assessment process according to the reporting principles of the GRI Standards.

This year's materiality assessment was conducted by an independent consultant, who used a quantitative approach to identify the material topics, following the steps outlined in GRI 3: Material Topics 2021.

The year's materiality assessment took into account the results of a questionnaire survey conducted in June 2025 among 6 stakeholder groups who have significant impacts on ArchSD's operations or could be significantly affected by our operations. These stakeholder groups included the following:

- ArchSD Staff
- Academic Groups / Professional Bodies
- Client Departments, i.e. other Government Departments
- Consultants
- Contractors
- General Public

Material issues for the organisation as well as industry-specific challenges and global megatrends were identified to produce 20 material ESG topics for this year's Report. A total of 719 responses were received and the materiality results are shown in the table on the right.

Categories	Material topics	Importance
Environment	Energy mix and efficiency	High
	Biodiversity and ecological impacts	Mid
	Management of greenhouse gas (GHG) emissions and related environmental risks	Mid
	Resource efficiency and circularity	Mid
	Water efficiency and recycling	Low
Social	Health and safety for all	High
	User health and safety in using the facilities	High
	Employment practices, welfare and rights	Mid
	Community engagement	Low
	Diverse and comprehensive staff training and development	Low
Governance	Ethical practices	High
	Climate risks and response	Mid
	Data security	Mid
	Management of ESG risks and opportunities related to the ArchSD's operations	Mid
	Management of ESG risks and opportunities related to the supply chain	Low
Value creation	Bring positive impacts on the social well-being, livelihood and prosperity of local communities and individuals	High
	Deliver environmentally and socially responsible projects	High
	Economic performance	Mid
	Use advanced technologies to enhance project quality and productivity	Mid
	Indirect economic impacts	Low

BUILD ROBUST SUSTAINABILITY GOVERNANCE

Stakeholder Engagement and Materiality

After scrutinising the feedback from all stakeholder groups, we identified 6 material topics (most significant impacts) that are disclosed in detail in the Report.

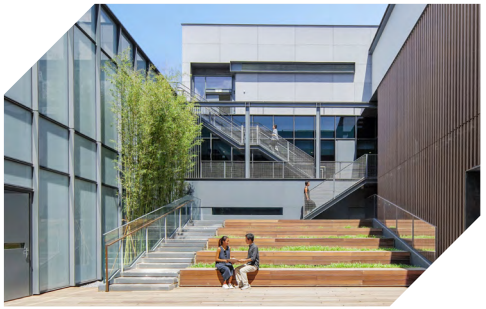
Bring positive impacts on the social well-being, livelihood and prosperity of local communities and individuals

Deliver environmentally and socially responsible projects

Energy mix and efficiency

Ethical practices

Health and safety for all



User health and safety in using the facilities

With a view to delivering a comprehensive report on ArchSD's sustainability performance, the following material topics with less significant impacts will also be disclosed:

- Climate risks and response
- Community engagement
- Diverse and comprehensive staff training and development
- Economic performance
- Employment practices, welfare and rights
- Management of ESG risks and opportunities related to the ArchSD's operations
- Management of GHG emissions and related environmental risks
- Indirect economic impacts
- Resource efficiency and circularity
- Use advanced technologies to enhance project quality and productivity
- Water efficiency and recycling

BUILD ROBUST SUSTAINABILITY GOVERNANCE

Stakeholder Interview

Following the survey, two qualitative face-to-face interviews with both internal and external stakeholders were also arranged to gain insights on our key material issues and their sustainability expectations. We also maintained close communication with and collected feedback from stakeholders during the course of our daily operations.

Interview with External Stakeholder

Ms Winnie HO, JP
Secretary for Housing

Interview with Internal Stakeholder

ArchSD Working Group for Smart Asset Maintenance

INTERVIEW WITH EXTERNAL STAKEHOLDER

Secretary for Housing

The Housing Bureau is committed to solving Hong Kong's housing challenges by increasing supply, enhancing quality of life and fostering thriving communities. Through innovation, advanced technologies and proactive stakeholder collaboration, its core strategies include: expanding public rental housing for low-income families, providing subsidised sale flats for aspiring homeowners, maintaining stability of the residential property market, and optimising land and resources of public housing.

Light Public Housing

- To meet the high demand for public housing, the Government announced the Light Public Housing (LPH) initiative in the 2022 Policy Address to address the short-term gap of public housing supply. This project is providing approximately 30 000 simple, standardised units, with community-centric ancillary facilities in 2 batches within a 5-year period before 2027-28.
- The LPH offers affordable, temporary housing to improve the living conditions for grassroot communities in inadequate housing at the soonest.
- The Housing Bureau leads policy formulation, while the ArchSD oversees development and supervision of design and construction, ensuring the quality and efficiency of Light Public Housing.

A Living ESG Showcase: Tackling Hong Kong's Housing Shortage

The Light Public Housing (LPH) initiative is a transformative social project designed to address Hong Kong's acute housing shortage, providing critical relief for those with pressing housing needs, such as residents of sub-divided units (SDUs). By optimising public resources, LPH delivers quality, temporary accommodation with speed and efficiency, helping to narrow the wealth gap and foster greater social equity. Building on ArchSD's success in delivering emergency quarantine facilities during the COVID-19 epidemic, this initiative underscores ArchSD's pivotal role in meeting societal challenges by overseeing LPH design and construction.

Ms Winnie HO, JP
Secretary for Housing

Interview with External Stakeholder

At its core, LPH embodies Environmental, Social and Governance (ESG) principles, integrating rapid delivery, cost-efficiency, safety, and smart technology into a new model for sustainable public housing:

Environmental sustainability: The ArchSD leverages advanced prefabrication and precision manufacturing, such as MiC and DfMA to minimise environmental pollution (including noise and waste) and enhance resource efficiency across the entire project lifecycle, from planning and construction to operation, maintenance, and eventual deconstruction or reuse.

Social sustainability: LPH significantly improves living conditions and quality of life by providing essential community amenities and fostering social inclusion. The people-centric designs and facilities developed by the ArchSD such as study rooms, activity spaces and multi-purpose community areas promote community cohesion and well-being.

Economic sustainability: Cost-effective design and construction methods adopted by the ArchSD reduce rental costs, enabling residents to allocate more of their income to other essential needs. LPH establishes economically viable communities that support long-term prosperity.

Sustainability governance: A result-oriented approach, strengthened by strong government leadership and clear objectives, ensures high-quality policy implementation and project delivery.

Transformative Impacts for Public Development

LPH integrates innovative and smart construction technologies – including BIM, IoT, AI, MiC, DfMA and MiMEP – enable the rapid, cost-effective delivery of affordable housing equipped with integrated social and community services. Delivered in collaboration with NGOs and property management agencies, the unique operational model provides employment and schooling assistance and tailored services for the elderly, person with disabilities, children and families.

This holistic approach has redefined public development by prioritising productivity, quality and inclusion. Through its people-centric designs, LPH promotes urban regeneration, fostering vibrant ecosystems where residents, industries and living environment thrive in synergy. Beyond providing immediate housing solution, LPH serves as:

- **A catalyst for sustainable innovation:** LPH pioneers the MiC approach, utilising full prefabrication, integrated MiMEP lifts, and low-carbon materials like lightweight concrete setting a new benchmark for multi-storey residential developments.
- **A model for social inclusion:** People-centric designs and comprehensive ancillary facilities – including retail shops, self-service laundries, study and activity rooms and multi-purpose community spaces – enhance residents' quality of life and foster integration of grassroots families from diverse backgrounds within the community.

Exemplifying Project Excellence

ArchSD's commitment to quality, precision and cost-effectiveness is clearly demonstrated in the LPH project. The adoption of standardised modular designs, lean construction strategies, and a streamlined direct procurement approach has significantly accelerated project timelines while reducing overall costs.

The Choi Hing Road LPH development, Hong Kong's first high-rise LPH project featuring MiC elevators, was completed in just 18 months, setting a new record for high-rise construction speed in the city.

To optimise land use, we have also revitalised sites with lower social value, enabling faster delivery of housing units at reduced construction costs. Furthermore, ArchSD actively promotes community engagement by incorporating residents' artwork into building designs. This participatory approach enhances the projects' socio-cultural value and has garnered widespread acclaim.

Groundbreaking Ceremony of the First Light Public Housing Project

Fostering Cross-Bureau, Cross-Sector Synergy

LPH creates a cohesive blueprint for community development by fostering deep collaboration across government, construction, social services, and property management sectors. This synergy is built on highly engaged top-level leadership, open dialogue, continuous knowledge exchange, and a responsible, professional ethos, supported by key performance indicators that ensure operational efficiency, sustained improvements and expedited issue resolution.

ArchSD's Future Contributions

Light Public Housing Project at Yau Pok Road, Yuen Long

We are delighted to partner with the ArchSD to advance the Government's goal of addressing the housing shortage in the short term. We greatly appreciate the Department's professional expertise and unwavering commitment to continuous evaluation and enhancement, which are essential to ensuring the project's quality, productivity, cost-effectiveness and resource efficiency.

Looking ahead, we are confident that the ArchSD will continue to enhance LPH's sustainability and architectural innovation. We look forward to their valuable contributions in promoting community engagement, advancing sustainability research, optimising public architecture designs and enhancing Hong Kong's liveability, while completing the remaining LPH units.

Our Response

In the past year, the ArchSD made significant strides in advancing sustainable development in Hong Kong's built environment through the LPH project. Our progress was greatly accelerated by highly effective cross-bureau and cross-sectoral collaboration and a steadfast commitment to innovation. This partnership provided invaluable experience, demonstrating the powerful synergy that emerges from pursuing a common goal of sustainability and quality living. We are particularly grateful for the insights shared by the Secretary for Housing in the interview, which have enriched our understanding of the community's evolving needs and aspirations.

Looking ahead, the ArchSD will continue to champion innovation as the key driver of high-quality development. We are committed to leveraging cutting-edge technologies and people-centric designs that enhance liveability and well-being. By expanding our knowledge and deepening partnerships with industry and the community, we will fulfil our mission to build a more sustainable, resilient, and future-ready Hong Kong for all.

INTERVIEW WITH INTERNAL STAKEHOLDER

ArchSD Working Group for Smart Asset Maintenance

Established in 2020, the **ArchSD Working Group for Smart Asset Maintenance (SAMWG)** is the central innovation driver for the Property Services Branch. Tasked with developing and implementing integrated smart solutions for the upkeep of ArchSD's maintained government facilities, SAMWG provides strategic direction, formulates objectives and develops programmes to future-proof ArchSD's asset portfolio. Its responsibilities are organised into 5 core pillars: Innovative Technologies/Materials, CO-i Projects, BIM for Facilities Upkeep, Building Resilience and AI & Big Data Analytics.

Incubating Smart Solutions for Resilience and Efficiency

Amidst climate change challenges, rapid technological advancements, and growing societal expectations, the SAMWG is committed to enhancing the resilience, safety, cost-effectiveness and resource efficiency of all buildings and facilities under ArchSD's maintenance purview.

Our approach involves strategically adopting innovative technologies—such as robotic and drone inspections, IoT networks, AI-driven analytics, and sustainable material trials—supported by the digital transformation of systems and workflows. Through cross-disciplinary collaboration and partnerships with local and international academic and research institutions, we tackle critical "pain points" in asset management, turning challenges into opportunities for sustainable progress.

Interview with Internal Stakeholder

Since its establishment, SAMWG has delivered over 30 projects. Key initiatives include:

Advancing Net Zero - The Pet Garden Toilet Block Refurbishment Project: This living laboratory integrates 3D concrete printing, renewable energy systems, and a suite of low-carbon materials, achieving a landmark 60% reduction in embodied carbon and a 70% reduction in operational carbon emission, setting a benchmark for sustainable design and construction.

Transforming inspections with robotics and AI: Drones and robotics, powered by AI analytics, enable short-range inspections and defect identification, improve quality control, and support rapid emergency response.

Driving operational efficiency by implementing BIM-based asset management, transitioning from 2D to 3D digital modelling, pioneering Heritage BIM, and digitalising processes from planning and estimation to construction and maintenance.

DfMA application in toilet refurbishment: This approach minimises wastage, reduces onsite labour force and enhances site safety by shifting high-risk activities to a controlled factory environment. It provides a replicable model for efficient, sustainable maintenance.

Integrating BIM with IoT sensors: Real-time monitoring of issues (such as structural stress) facilitates instant alerts and pre-emptive action to enhance climate resilience and user safety.

Cable-driven hammer-tapping robot

Wall climbing robot

Recreational surface inspection robot

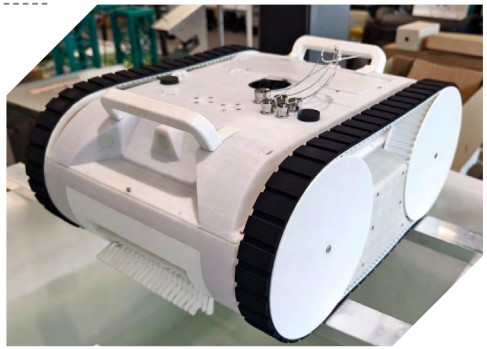
Navigating Challenges: From Concept to Application

Innovation requires navigating rapid technological change and practical implementation barriers. This demands continuous market assessments, rigorous feasibility reviews, and trusted partnerships with contractors and consultants.

As the vital bridge, the cross-disciplinary SAMWG provides an ideal platform for gathering insights and sharing knowledge, accelerating a cultural shift from reactive maintenance to proactive care. With strong support from ArchSD's senior management, we conduct meticulous trials and identify pilot projects to transform promising concepts into scalable, secure solutions. The insights gained from these projects are also shared across teams, enhancing future building performance and resilience.

Fostering Culture and Ecosystem Change

Driving innovation also requires a supportive external ecosystem. To promote innovation and efficiency beyond our organisation, we provide guidelines and embed technology adoption requirements (such as hammer tapping robot) into tenders and contracts. Our water tank cleansing robot initiative – developed in collaboration with the Electrical and Mechanical Services Department, Housing Department, Housing Society, Hong Kong Science and Technology Parks Corporation and the Hong Kong University of Science and Technology – consolidates requirements and demands to incentivise market innovation, enhance functionality, and deliver cutting-edge solutions.



Water tank cleansing robotic

Scaling Innovation for Future Growth

SAMWG's work aligns with ArchSD's sustainability goals, delivering lasting value to the community. To further expand smart asset management capabilities, we will:

- **Develop living showcases:** The award-winning Pet Garden Toilet Block Refurbishment Project serves as a dynamic platform for community education and stakeholder engagement, inspiring broader adoption of advanced technologies and sustainable practices into facilities management.
- **Foster innovative thinking:** Drive mindset and behaviour change to promote a culture of innovation through various learning and development initiatives.
- **Strengthen collaboration:** Engage local, Mainland and international academic and research institutions to promote knowledge exchange and innovation, and accelerate R&D applications.

Our Response

The SAMWG is a testament to ArchSD's commitment to innovation. This cross-disciplinary team has set new benchmarks in sustainable buildings through its pioneering projects, enhancing the efficiency, safety, and sustainability performance of Hong Kong's built environment. By providing a platform for knowledge-sharing and pilot testing, SAMWG is accelerating a vital cultural shift from reactive maintenance to proactive, intelligent asset care. This initiative drives technical excellence while fostering a strong sense of purpose and engagement within our workplace. Looking ahead, the ArchSD will continue to support SAMWG to explore more integrated smart solutions, ensuring our teams can flexibly apply new knowledge. Through targeted promotion and learning initiatives, we will encourage staff across all disciplines and grades to engage in this innovation journey. Our goal is to instil the mindset and behaviour change essential for remaining at the forefront of the industry, ensuring the ArchSD is agile and fully prepared for the future.

BUILD GREEN ENVIRONMENTS FOR FUTURE RESILIENCE

Driving Low-Carbon Transformation

As the key department responsible for the development and maintenance of public facilities in Hong Kong, the ArchSD is committed to leveraging our expertise, reach and partnerships to advance low-carbon building design, construction and practices.

Carbon Neutrality Strategic Framework

To align with Hong Kong's Climate Action Plan 2050 and its Energy Saving and Green Buildings Strategy, we have formulated the "3A Strategy", namely Amplify, Accelerate and Act Together under our Carbon Neutrality Strategy Framework to speed up the progress in decarbonising Hong Kong's built environment.

3A Strategy

AMPLIFY

To adopt performance-based approach to go beyond and above statutory requirements and apply green and high productivity construction technologies to maximise decarbonisation performance in projects.

ACCELERATE

To explore, develop and adopt smart and advanced technologies to accelerate low-carbon transformation in our projects.

ACT TOGETHER

To work hand-in-hand with stakeholders to combat future climate challenges and build the carbon neutral future together.

To address the increasing demand in achieving a low-carbon built environment, we are integrating carbon appraisal in our projects and building up our capabilities and capacity with a view to progressing low-carbon building designs. Through the collection, analysis and tracking of carbon performance in projects, a holistic overview of carbon performance can facilitate deep decarbonisation as well as the setting of overarching decarbonisation strategies in Hong Kong's built environment.

Visit our website to learn more about our Carbon Neutrality Strategic Framework and 3A Strategy.

BUILD GREEN ENVIRONMENTS FOR FUTURE RESILIENCE

Driving Low-Carbon Transformation

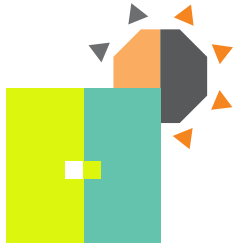
Sustainable Building Design Strategies

Our strategy for sustainable building design goes beyond statutory requirements to maximise decarbonisation performance. We achieve this by widely adopting integrated passive and active design approaches. Through meticulous planning, optimal site orientation and strategic material selection, we create resilient, energy-efficient and future-ready buildings that harmonise with their microclimate environments.

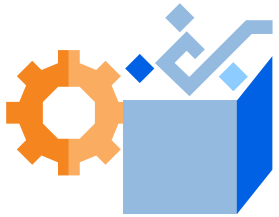
PASSIVE DESIGN APPROACHES

Mitigating urban heat island effects

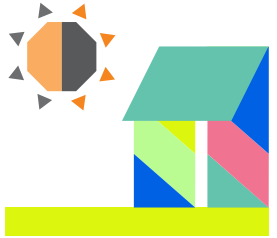
Optimising natural ventilation around buildings



Maximising daylight penetration



Enhancing passive cooling

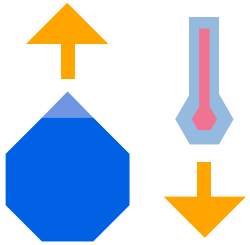


Reducing heat gain through building envelopes

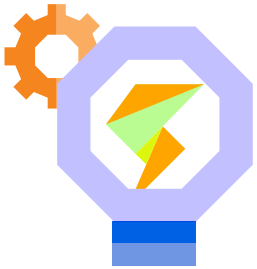
BUILD GREEN ENVIRONMENTS FOR FUTURE RESILIENCE

Driving Low-Carbon Transformation

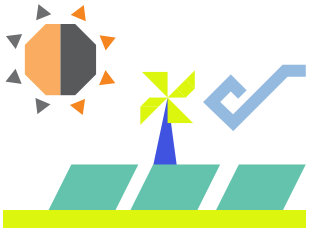
ACTIVE DESIGN APPROACHES



High-efficiency heating, ventilation and air conditioning (HVAC) systems and water-saving devices



Energy-efficient lighting systems



Renewable energy technology application and integration

BUILD GREEN ENVIRONMENTS FOR FUTURE RESILIENCE

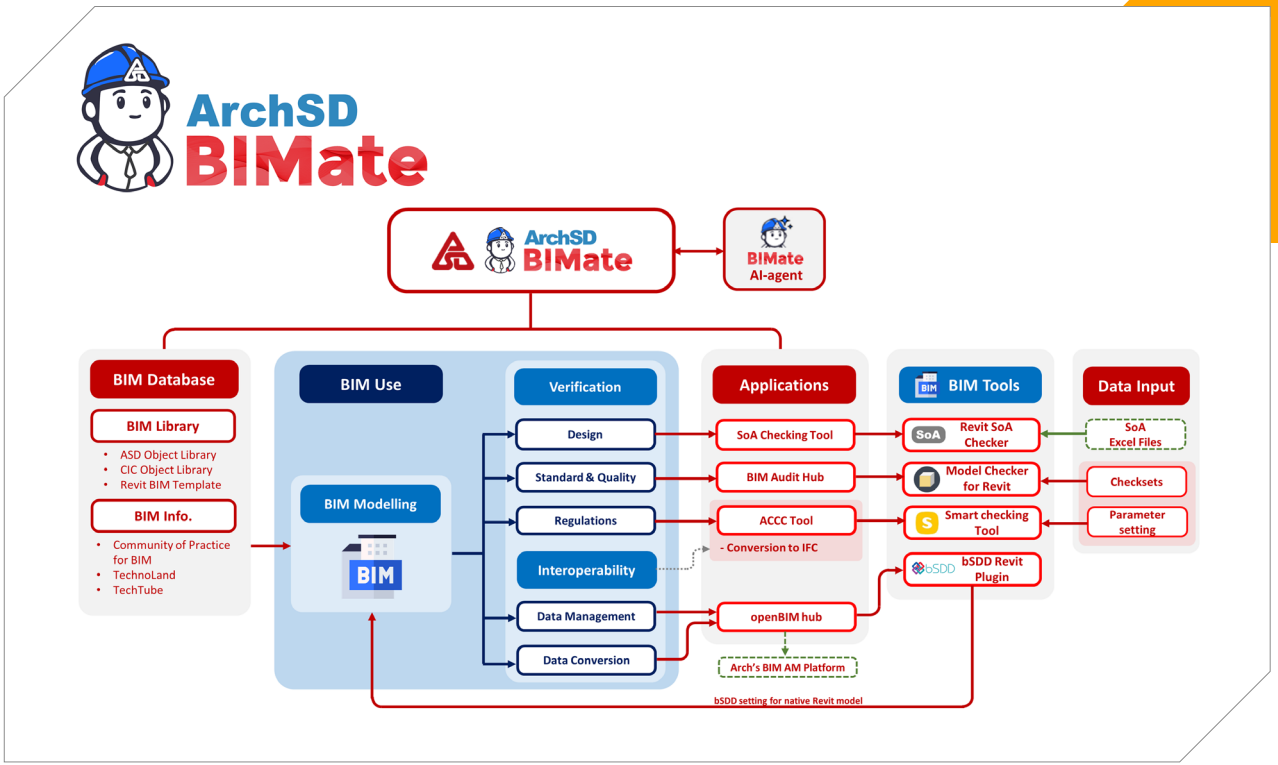
Driving Low-Carbon Transformation

High-Productivity and Innovative Construction

To accelerate the low-carbon transformation of our projects, we are adopting green, high-productivity construction technologies and methods. Technologies such as Building Information Modelling (BIM), Modular Integrated Construction (MiC) and Multi-trade integrated Mechanical, Electrical, and Plumbing (MiMEP), are extensively used in close collaboration with industry partners and contractors. Additionally, we are promoting the application of robotics, AI, applied R&D, new materials and digitisation to enhance energy and resource efficiency, as well as overall cost-effectiveness.

In 2024, we launched a self-developed BIM tool, "ArchSD BIMate" aimed at seamlessly integrating resources and utilizing AI technology to develop application tools and plugins. This development provides clear strategies, standardizes the modelling methodologies and promotes automated checking to ensure a smooth project delivery process.

As an all-in-one solution, "ArchSD BIMate" provides users with direct access to BIM resources, significantly enhancing efficiency. By applying automated tools, teams can collaborate more effectively and accelerate the pace of innovation. This development reflects the ArchSD's commitment to advancing digital construction, fostering intelligent workflows, and delivering higher-quality projects for the industry, leading the construction industry towards greater achievements.



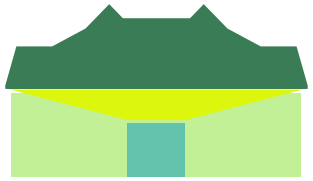
ArchSD BIMate

BUILD GREEN ENVIRONMENTS FOR FUTURE RESILIENCE

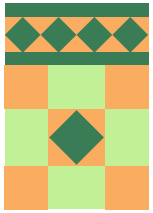
Driving Low-Carbon Transformation

HERITAGE BUILDING INFORMATION MODELLING

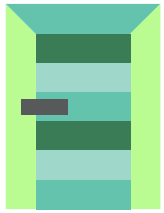
Building on our innovative construction methods, we also apply Heritage Building Information Modelling (HBIM) technology for facilities development, upkeep and heritage conservation to preserve cultural legacy. Our approach includes:



Minimising impact on historic buildings



Prioritising in-situ materials for repair and restoration



Preserving original materials and furniture during alterations for future reuse

BUILD GREEN ENVIRONMENTS FOR FUTURE RESILIENCE

Driving Low-Carbon Transformation

Advancing Green Building Excellence

Pursuing green certification can enhance environmental and sustainability performance. The ArchSD has strategically adopted the BEAM Plus standards to ensure industry-leading performance. As of December 2024, 63 new buildings were certified under BEAM plus (New Buildings); 5 office interiors achieving BEAM Plus Interiors certification; and 3 existing buildings recognised under BEAM Plus Existing Building (Selective Scheme).

BEAM Plus-Certified Buildings up to 2024

Type of Certificates	Rating		Sub-total
BEAM Plus (New Buildings) Certification* (Versions 1.1, 1.2, 2.0)	**Platinum**	**Gold**	
	19	44	63
BEAM Plus (Interiors) Certification (Version 1.0)	**Platinum**		
	4		4
BEAM Plus (Interiors) Certification (Version 2.0 – Non-residential)	1		1
BEAM Plus Existing Building (Version 2.0 Selective Scheme) Certification	**Excellent**	**Satisfactory**	
	2	1	3

*Reference to specific versions of BEAM Certificate:
Version 1.1 – BEAM Plus New Buildings, 2010;
Version 1.2 – BEAM Plus New Buildings, 2012; and
Version 2.0 – BEAM Plus New Buildings, 2019.

BUILD GREEN ENVIRONMENTS FOR FUTURE RESILIENCE

Driving Low-Carbon Transformation

Managing our Footprint

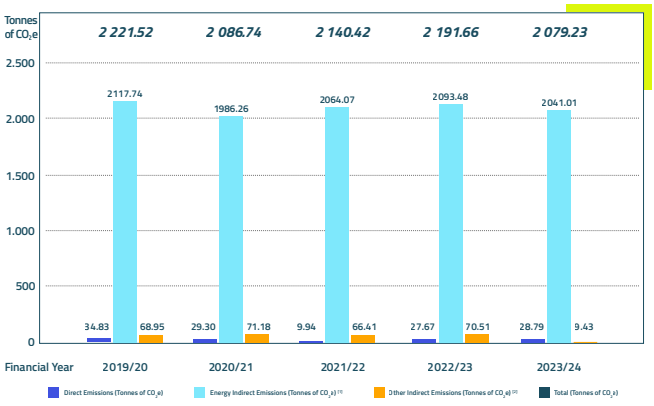
Guided by our Quality, Environmental, Anti-bribery, Occupational Health and Safety Policy, we deliver facilities and services with a focus on environmental responsibility. Our efforts target carbon reduction, improved energy and resource efficiency, and advanced waste management. To further minimise our footprint, we have implemented various waste-reduction, energy-saving and water conservation measures. Below are the key initiatives adopted at the QGO and APB Centre:

Carbon Emission Management

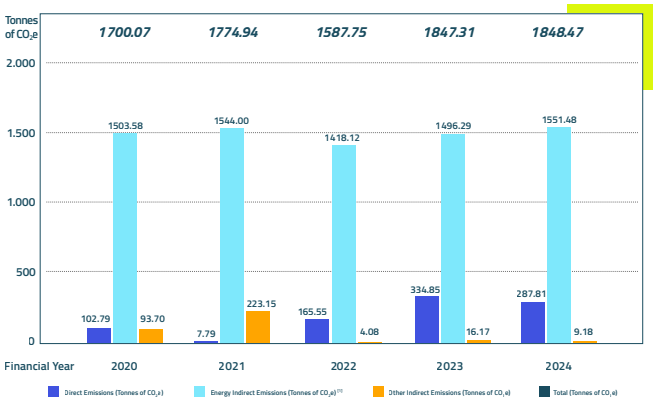
Manage greenhouse gas emissions through comprehensive assessments and targeted reduction initiatives, including:

- Conduct regular carbon audits aligned with the Greenhouse Gas Protocol and the local guidelines from the Environmental Protection Department and the Electrical and Mechanical Services Department to measure and track our footprint.
- Monitor electricity consumption, energy mix and efficiency to mitigate operational environmental risks.
- Adopt electric vehicles (EV) in new maintenance term contracts and fleet operations at the QGO and APB Centre.
- Install EV charging infrastructure at the QGO, APB Centre, and ArchSD's projects.
- Advise clients on adopting innovative, smart and low-carbon technologies to minimise their environmental impacts.

Carbon emissions produced by the QGO



Carbon emissions produced by the APB Centre



[1] A territory-wide default emissions factor was used to calculate these emissions.

[2] The figures were calculated by measuring the actual usage of fuel in mobile sources and paper consumption (A3 and A4) and wastepaper collected for recycling at the QGO.

BUILD GREEN ENVIRONMENTS FOR FUTURE RESILIENCE

Driving Low-Carbon Transformation

Energy Saving

- Set annual reduction targets for electricity consumption to drive continuous improvements using 2018 as the base year.
- Reduce energy consumption and enhance energy efficiency across our operating premises:
  - Adhere to the ISO 14001 standard for improving environmental performance of office operations and ISO 50001 standard for managing energy consumption at the APB Centre.
  - Use occupancy/motion sensors to control lighting in low-traffic areas.
  - Maintain room temperatures at 25.5oC to balance comfort and energy savings.
  - Enable energy-saving mode for office equipment during office hours and power them down after office hours.
  - Automatically switch-off external lighting at the APB Centre by 8 p.m.
- Monitor energy-use patterns to identify abnormalities and optimisation opportunities, such as lighting retrofits.
- Install photovoltaic panels at the APB Centre to generate renewable energy.

Green Procurement

- Incorporate environmental and well-being considerations into purchasing decisions to support a circular economy:
  - Refer to the Green Specifications from the Environment Protection Department to purchase goods and services to promote resource efficiency and circularity.

Resource Efficiency

- "Slim and Trim" cumbersome procedures and obsolete practices to promote smarter and greener practices for increasing efficiency and effectiveness in operations:
  - Foster a work-smart culture through comprehensive digitalisation, e-workflow adoption and use of innovative and smart technologies.
  - Implement various CO-i projects to shorten processing time and save paper.

Waste Management

- Advise clients on efficient resource utilisation during project construction.
- Promote sustainable construction methods, including pre-cast concrete implementation, onsite sorting of construction and demolition waste, and recycling and upcycling of construction materials.

Waste Reduction

- Issue and promote green house-keeping guidelines featuring:
  - Digital transformation (e-functions/systems) to minimise paper use; double-sided printing and envelope reuse.
  - Designated recycling stations at offices for metal and plastic waste to facilitate recycling.
  - Formulate measurable annual waste-reduction targets and monitor progress.

Water Efficiency and Recycling

- Manage water consumption across operating premises to ensure efficient water utilisation:
  - Install auto-sensing taps and dual flush cisterns to avoid excessive use.
  - Conduct regular leakage detection inspections and preventive maintenance of water supply system.
- Conduct ongoing analysis of water consumption patterns to identify and address abnormal usage, and explore new efficiency management opportunities.

BUILD GREEN ENVIRONMENTS FOR FUTURE RESILIENCE

Driving Low-Carbon Transformation

Green Recognitions

Through the collective environmental efforts of our management and staff, the ArchSD has achieved the Hong Kong Green Organisation Certification (HKGOC) for 5 consecutive years. This recognition from the Environmental Campaign Committee and the Environment and Ecology Bureau not only testifies to our ongoing commitment to workplace environmental protection, but also motivates us to pursue further sustainability advancements.

'Excellent Level'
Energywi$e certificate

'Excellent Level'
Wastewi$e certificate

'Good Level'
IAQwi$e certificates (APB Centre)

'Good Level'
IAQwi$e certificates (QGO)

Hong Kong
Green Organisation

BUILD AN INCLUSIVE WORKPLACE AND SOCIETY

Empowering our People

At the ArchSD, we recognise the importance of cultivating a highly skilled workforce to serve our clients and the community effectively. Amidst rapid climate changes, technological advancements and evolving user expectations, we empower our staff through continuous learning, collaboration, and a culture of innovation, enhancing their knowledge, skills, safety and wellness. This commitment enables our staff to deliver exceptional services and create sustainable facilities that benefit future generations.

Our talent strategies are based on meritocracy and equal opportunity, ensuring open and fair competition. In alignment with the Government's guidelines and practices, we enforce a zero-tolerance policy against discrimination in all forms, including disability, gender, marital status, pregnancy, age, family status, sexual orientation, and race. By fostering a supportive and inclusive workplace, we equip all employees with opportunities to excel – professionally and personally.

Staff Development and Knowledge Management

In today's rapidly evolving architectural and construction landscape, we place our people at the heart of progress. Through cutting-edge skills development, collaborative knowledge sharing and championing innovation, we empower our team to anticipate industry shifts, leverage emerging technologies, and deliver smart, low-carbon and people-centric buildings for the future.

In 2024 we continued to keep our staff abreast of smart and advanced construction technologies – including BIM, DfMA, MiC and MiMEP – through diverse training programmes, Innovative Construction Focus Group activities, and active engagement and collaboration with industry, academia and professional institutions in Hong Kong and the Mainland.

Training programmes are tailored to the unique needs of each staff member through a diverse array of platforms and formats. These include academic lectures, structured classroom training, workshops and seminars, symposiums, overseas visits, on-the-job training, coaching and mentoring sessions, e-learning modules and competitions.

We also foster learning, innovation and collaboration through the one-stop Knowledge Management (KM) Portal. This cross-disciplinary platform is designed to advance knowledge sharing and drive excellence in sustainable operations and organisational practices. To enhance sustainability knowledge and skills, we organised an interactive introductory workshop on the United Nations Sustainable Development Goals (UNSDGs), emerging megatrends and key industry challenges. Through engaging game-based learning and activities, participants deepened their understanding of ArchSD's sustainability initiatives and achievements while brainstorming actionable ideas to advance ArchSD's strategic goals.

Interactive sustainability workshop on the UNSDGs, megatrends and industry challenges.

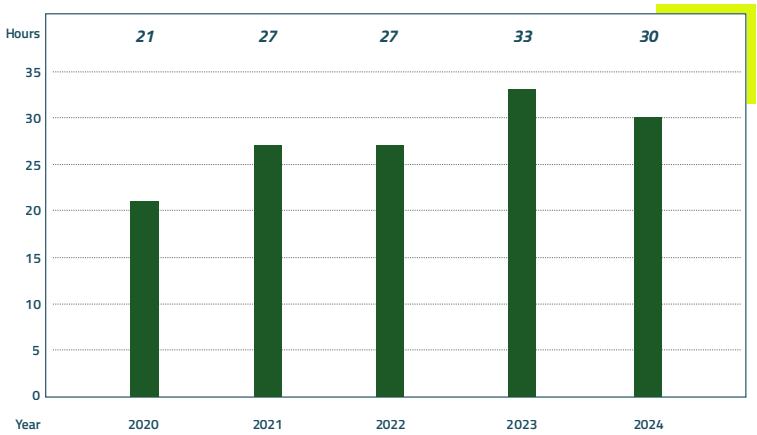
BUILD AN INCLUSIVE WORKPLACE AND SOCIETY

Empowering our People

To facilitate knowledge and experience sharing among site supervisory staff and technical officers, thematic videos are developed in the KM Portal covering various construction aspects – including installation, testing, commissioning, site safety, health, environmental protection, design drawings and software simulation – for application across New Building Works, Building Services and Facility Upkeep.

In 2024, the ArchSD provided 650 training courses with each staff member receiving an average of 30 hours of training.

Training Hours per Staff



Summary of Training Activities

Type	Number of Trainees	Number of Training Hours
Leadership & Management Skills	88	1 977
Professional & Vocational Training	13 114	45 000
Career Development	1 473	10 739
Total	**14 675**	**57 715**

BUILD AN INCLUSIVE WORKPLACE AND SOCIETY

Empowering our People

Staff Well-Being

We cultivate a vibrant and inclusive workplace where staff thrive through wellness activities, work-life balance, and teamwork that fosters pride in their work.

Diverse staff-led sports and recreational activities throughout the year enriched our healthy and joyful culture, fostering unity and reinforcing ArchSD's dedication to community service and environmental contributions.

ArchSD Annual Dinner

CarouGive (Swap for Good Circularity Event)

Shatin Dragon Boat Race 2024

Development Bureau Football Competition 2024

Greater Bay Area Technical Visit and Study Tour

ArchSD Mentorship Programme

BUILD AN INCLUSIVE WORKPLACE AND SOCIETY

A Holistic Approach to Safety and Sustainability

From policy formulation and risk management to performance measurement and training, we implement a holistic approach to embed a culture of safety, sustainability and environmental responsibility across our operations and value chain.

Workplace Safety Management

Our department-wide ISO 45001 Occupational Health and Safety Management System aligns with global best practices and industry standards, ensuring employee protection across offices and project sites. The Occupational Health and Safety Representatives Working Group actively addresses concerns, monitors performance and drives continuous improvements. Through regular safety inspections, we identify potential hazards, assess risks and impacts and develop targeted mitigation measures.

Awareness and Training

We raise safety awareness through specialised training and programmes, including:

- Safe lifting operations for mobile plants
- Construction and environmental engineering safety
- Site safety protocols in maintenance works

To reinforce procedure knowledge and ensure preparedness, we conduct department-wide emergency drills and use insights to refine our practices.

Collaboration with Contractors

Contractors are our essential partners in fostering a robust health and safety culture. In addition to providing guidelines, we embed our safety, sustainability, environmental and technical requirements into contracts to encourage and accelerate their adoption. The implementation of following innovative practices and technologies on ArchSD's projects elevates onsite safety and sustainability performance, setting a benchmark for industry best practices.

INNOVATIVE PRACTICES

Energy Efficiency

- Install energy-saving lighting systems
- Use intelligent sensors
- Use renewable energy
- Build temporary transformers

Waste Management and Reduction

- Use pre-cast and lightweight concrete
- Sort construction and demolition waste onsite
- Encourage recycling
- Upcycle used materials

Emission Mitigation

- Suppress construction dust
- Install noise enclosure and acoustic screen
- Operate hydraulic crusher for demolition work

People

- Make prior work arrangements in times of heat stress, adverse weather and extreme conditions
- Provide rechargeable cordless tools for workers
- Conduct volunteer renovation work for neighbouring stakeholders
- Establish a 24-hour enquiry and support hotline for stakeholders

BUILD AN INCLUSIVE WORKPLACE AND SOCIETY

A Holistic Approach to Safety and Sustainability

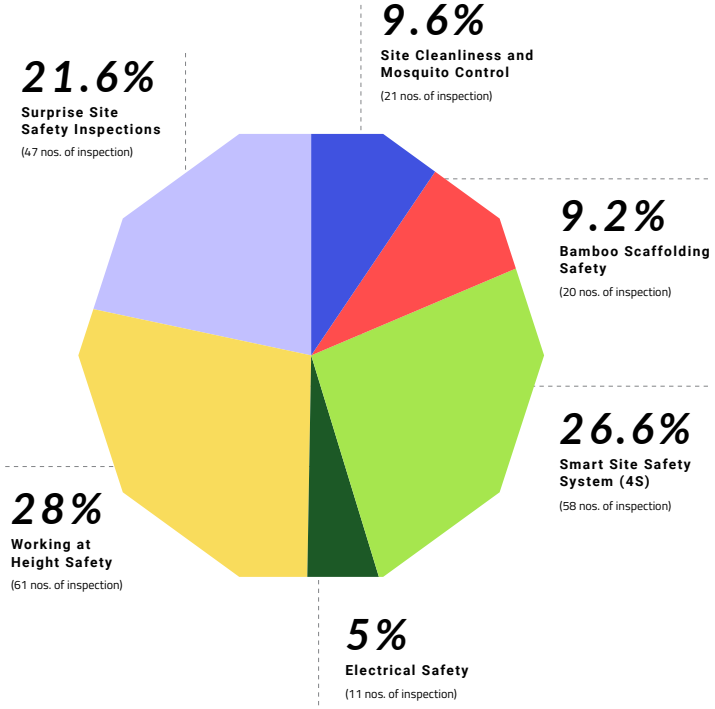
Safety First at Construction Sites

As part of ArchSD's commitment to uplifting site safety, we mandate strict contractor compliance with our robust safety requirements and industry best practices. We support our contractors through comprehensive guidance materials, including: codes of conduct and practices, Labour Department Work Safety Alerts, Site Safety Checklists and Audit Results, safety reminders and briefing notes, etc.

To enforce occupational health and safety compliance, our Departmental Safety & Environmental Advisory Unit conducts surprise site inspections, verifies Smart Site Safety System (4S), and raises site safety issues and hazards for corrective action in a timely manner.

SITE INSPECTIONS

In 2024, we conducted a total of 218 site inspections to gauge performance on the following areas:



In addition, we conduct regular project meetings to monitor and evaluate contractors' environmental and safety performance. These meetings enable proactive collaboration to develop rectifying measures and remediation plans when performance falls below standards.

BUILD AN INCLUSIVE WORKPLACE AND SOCIETY

A Holistic Approach to Safety and Sustainability

Throughout 2024, we organised a number of events to enhance onsite safety performance, increase awareness of common hazards and preventive measures, and provide updates on smart safety management systems and technologies.

Over 400 contractors, consultants and colleagues participated in the ArchSD Safety Forum.

ArchSD participated in the 1st InnoExpo organised by the Occupational Safety and Health Council to promote innovative site safety technologies and digital works supervision system.

In May 2024, the ArchSD participated in the Smart Site Safety System (4S) Labelling Scheme established by the Development Bureau and the Construction Industry Council to uplift site safety and encourage a wider adoption of 4S adoption in the industry. By December 2024, ArchSD had received the 4S Label certification for its 58 capital works contracts and 9 term contracts.

Raising and Recognising Sustainability Performance

The ArchSD partners with industry stakeholders to deliver outstanding sustainability performance and service in our facilities development and maintenance. During the reporting year, we conducted a total of 63 knowledge-sharing workshops and talks as well as 150 public engagement events to advance best practices for sustainable built environment.

In addition, we formally commend contractors, subcontractors and site personnel for exemplary achievements in environmental performance, site safety and a considerate attitude in carrying out public works. Through two flagship award schemes, we seek to celebrate leadership while motivating industry-wide adoption of sustainable construction practices.

BUILD AN INCLUSIVE WORKPLACE AND SOCIETY

A Holistic Approach to Safety and Sustainability

Green Contractor Award

Since 2001, the ArchSD has organised the annual Green Contractor Award to recognise excellence across five key environmental dimensions, namely energy efficiency, water conservation, waste reduction, emissions mitigation and comprehensive environmental management. The Award also honours contractors' sustained efforts in advancing sustainability. In 2024, all active construction and maintenance projects with contract values exceeding $50 millions participated in this rigorous competition.

Award	Awardee	Contract
Merit Award	Gammon Construction Limited	Contract No. SS L501 Design and Construction of Kwun Tong Composite Development
Merit Award	Shui On Construction Company Limited	Contract No. SS J506 Design and Construction of Western Police Married Quarters
		Contract No. SS M502 Design and Construction of Reprovisional of Kong Wan Fire Station
		Contract No. SS L517 Design and Construction of Open Space with Public Vehicle Park at Yen Chow Street West, Sham Shui Po
Green Contractor Award (Term Contract)	Cheung Hing Construction Company Limited	Contract No. TC M938 Term Contract for the Maintenance of Slopes for which the Architectural Services Department (Property Services Branch) is Responsible [Designated Contract Area: New Territories and Outlying Islands (North)]
Special Award (Empowering New Generation)	Gammon Construction Limited	Contract No. SS L501 Design and Construction of Kwun Tong Composite Development
Special Award (Empowering New Generation)	Hip Hing Engineering Company Limited	Contract No. SS L508 Design and Construction of Expansion of the Legislative Council Complex
		Contract No. SS K502 Design and Construction of a District Court Building at Caroline Hill Road
		Contract No. SS L502 Design and Construction of a New Public Market in Tin Shui Wai

BUILD AN INCLUSIVE WORKPLACE AND SOCIETY

A Holistic Approach to Safety and Sustainability

Winners of the Green Contractor Award

BUILD AN INCLUSIVE WORKPLACE AND SOCIETY

A Holistic Approach to Safety and Sustainability

Considerate Contractors Site Award Scheme

Jointly organised by the Development Bureau and the Construction Industry Council, this Scheme encourages contractors, subcontractors and site personnel to maintain the highest standards of responsible site operations, environmental stewardship, public health protection and safety excellence. In 2024, ArchSD's contractors earned 17 awards across three prestigious categories: Considerate Contractors Site Awards (CCSA), Outstanding Environmental Management and Performance Awards (OEMPA) and Innovation Awards for Safety and Environmental Excellence (IASEE):

Award			Contractor	Contracts
CCSA	OEMPA	IASEE		
Public Works - New Works				
Merit	Merit	Merit	China State Construction Engineering (Hong Kong) Limited	Contract no. SS L514 Construction of Heritage Conservation and Resource Centre
Merit	Merit	Bronze	Hip Hing Engineering Company Limited	Contract no. SS L508 Design and Construction of Expansion of the Legislative Council Complex
Merit	Merit	Merit	China State Joint Venture	Contract no. SS K509 Design and Construction of Kong Nga Po Police Training Facilities
Merit	Bronze	Merit	Hip Hing Engineering Company Limited	Contract no. SS L502 Design and Construction of a New Public Market in Tin Shui Wai
Public Works - RMAA Works				
Merit	N/A	N/A	Wan Chung Construction Company Limited	Contract no. TC K929 Term Contract for the Maintenance of Slopes for which the Architectural Services Department (Property Services Branch) is Responsible [Designated Contract Area: Kowloon and Lantau Island]
Merit	N/A	N/A	Chun Wo Joint Venture	Contract no. TC J921 Term Contract for the Alterations, Additions, Maintenance and Repair of Buildings and Lands and Other Properties for which the Architectural Services Department (Property Services Branch) is Responsible [Designated Contract Area: Wan Chai (South) and Wan Chai (North)]
Merit	Merit	Merit	CWED Joint Venture	Contract no. TC K928 Term Contract for the Maintenance of Slopes for which the Architectural Services Department (Property Services Branch) is Responsible [Designated Contract Area: Hong Kong Island and Outlying Islands (South)]

BUILD AN INCLUSIVE WORKPLACE AND SOCIETY

Engaging the Public

At the ArchSD, we believe an informed and engaged public is pivotal to shaping Hong Kong's sustainable built environment. Through diverse outreach initiatives, we connect the community with our projects while enhancing public understanding of architectural innovation's role in sustainable urban development.

Our multi-faceted approach – from public competitions and carnivals to expert lectures, site visits and knowledge exchange – serves three core objectives: promoting knowledge exchange on cutting-edge construction solutions, nurturing future built-environment talents, and fostering community collaboration for continuous progress.

"One Community – Built from the Heart" Photo and Short Video Competition

Launched in celebration of the 75th anniversary of the Founding of the People's Republic of China, this competition invited the public to creatively capture Hong Kong's architectural landscape through photography and videography.

Attracting 1 170 entries from the public and students, the initiative promoted appreciation for public architecture while encouraging artistic expressions of our community's built environment.

"Science in the Public Service" 2024 Forum and Lecture Series: How Can Technology Create Climate-Resilient Living Environments

Experience Sharing : Application of Multi-trade Integrated Mechanical, Electrical & Plumbing in New Government Building

Site Visit : Advancing Net Zero – Refurbishment of Toilet Blocks at Pet Garden of Central and Western District Promenade

BUILD AN INCLUSIVE WORKPLACE AND SOCIETY

Engaging the Public

Promoting Cultural Heritage

The ArchSD is a passionate steward of Hong Kong's built heritage, dedicated to conserving the city's iconic landmarks. We are committed to transforming historic buildings into valuable community assets, repurposing them as cultural landmarks that support sustainable development and foster public engagement.

Notable revitalised historic buildings – including Hong Kong Heritage Discovery Centre, Dr. SUN Yat-sen Museum, Hong Kong Court of Final Appeal, Oil Street Art Space, Old Aberdeen Police Station, Woodside Biodiversity Education Centre, Former French Mission Building and Former Kowloon British School – continue to thrive as vibrant, functional spaces. These treasured sites embody Hong Kong's enduring legacy, serving as both living history and dynamic contributors to the city's rich culture. Each project stands as a testament to innovative conservation and the creation of a lasting heritage for future generations.

Hong Kong Heritage Discovery Centre

Dr. SUN Yat-sen Museum

BUILD AN INCLUSIVE WORKPLACE AND SOCIETY

Engaging the Public

Hong Kong Court of Final Appeal

Oil Street Art Space

Woodside Biodiversity Education Centre

Former French Mission Building

Former Kowloon British School

BUILD AN INCLUSIVE WORKPLACE AND SOCIETY

Engaging the Public

Heritage Display Wall at FUN Centre, APB Centre

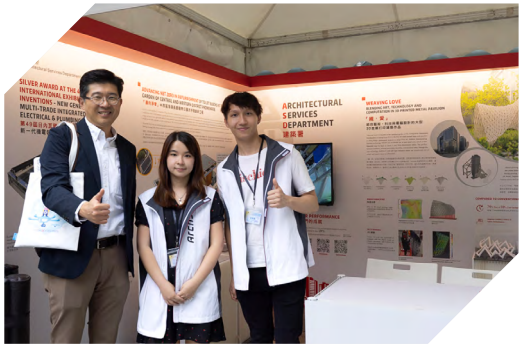
Located at the FUN Centre, visitors can explore key architectural components, traditional building materials, finishes and craftsmanship. Through scanning a dedicated QR code, this feature wall enhances public knowledge of buildings elements commonly found in historic buildings maintained by ArchSD.

Tsinghua University Delegation Visit

Comprised of the "Explore Hong Kong and Macau" Team and "Net-Zero Carbon Practice" Team, Tsinghua University's delegation exchanged insights with the ArchSD on circular economy solutions, sustainable city planning and zero-carbon building innovations.

Public Exhibitions

Hong Kong Engineers Week Carnival 2024



InnoCarnival 2024

BUILD AN INCLUSIVE WORKPLACE AND SOCIETY

Serving our Community

At the ArchSD, we are deeply committed to supporting community wellness through staff volunteering initiatives. To encourage active participation in community service while fostering professional and personal development, we have established the ArchSD Volunteer Service Team. Our dedicated team engages in a wide range of activities addressing the diverse needs of community. These include environmental conservation through countryside and shoreline clean-ups, social outreach programmes bringing joy to elderly residents and people with special needs, youth development via mentorship programmes and charity support for community organisations.

Construction Industry Countryside and Shoreline Clean-up

TWGHs Fong Shu Chuen District Elderly Community Centre Visit

Celebrating Mid-Autumn Festival with the Elderly at TWGHs Jockey Club Healthy Home

Delivering Winter Care to Elderly Neighbours

BUILD AN INCLUSIVE WORKPLACE AND SOCIETY

Serving our Community

In 2024, our colleagues took part in 40 volunteer activities comprising a total of 2 126 hours of community service.

	2022	2023	2024
Total number of hours of staff volunteer service	809	1 462	2 126
Number of volunteers	72	150	176
Number of voluntary projects completed	22	45	40
Number of active Volunteer Service Team Member[1]	15	19	31
Number of staff received commendation for voluntary service[2]	1	12	19

[1] Active Volunteer Service Team member is defined as team member contributing more than 20 hours of volunteer service.

[2] Staff who receives commendation for volunteer service is defined as team member contributing more than 30 hours of volunteer service.

DATA SUMMARY

ENVIRONMENTAL PERFORMANCE

Resources Usage – Energy

	Unit	2020	2021	2022	2023	2024
Energy used at the QGO and APB Centre						
Electricity consumed [1]	kWh	4 256 371	3 699 415	3 863 227	3 632 543	3 761 517
Electricity intensity [1]	kWh/m^2	125	109	113	106	109
CO_2 emission equivalent to electricity consumption [2]	Tonne CO_2-e	2 292	1 921	2 008	1 818	1 768
Total Electricity consumed per employee	kWh/employee	2 095	1 812	1 778	1 709	1 707
Total CO_2 emission equivalent to electricity consumption per employee	Tonne CO_2-e/ employee	1.041	0.885	0.924	0.855	0.802
Renewable energy generated by photovoltaic (PV) panels at the APB Centre	kWh	8 915	9 960	6 377	8 784	6 587
Energy saved by projects [3]						
Total energy-saving due to green and low-carbon design	GWh	11.0	3.5	15.6	14.4	15.1
CO_2 emission equivalent	Kilotonne CO_2-e	7.7	2.4	10.9	10.0	10.5
No. of certified green buildings or under application [4]						
Certified green buildings against third-party standards	Number	13	12	7	7	8
Active projects seeking green building certifications against third-party standards	Number	56	69	53	58	59

[1] Offices at the APB Centre and QGO represent a majority of total ArchSD office space. The percentage of electricity consumption of the whole premises for the ArchSD office at the APB Centre and QGO is assumed to be 100% and 20% respectively.

[2] CO_2 emissions intensity of CLP Power and HK Electric from 2020 to 2024 were used for the ArchSD office at the APB Centre and QGO respectively.

[3] Energy-saving is calculated by considering green and low-carbon design features, e.g. building envelope, building services systems and renewable energy technologies, adopted in projects.

[4] 'Third-party standards' refers to BEAM Plus certified by the Hong Kong Green Building Council.

DATA SUMMARY

ENVIRONMENTAL PERFORMANCE

Resource Usage – Fuel

	Unit	2020	2021	2022	2023	2024
Fuel consumption by ArchSD pool cars	Litre	13 197	13 543	11 463	12 110	11 586
GHG emissions equivalent to fuel consumption by ArchSD pool cars [5]	Tonne CO_2-e	35.7	36.6	31.0	32.8	31.4
NO_x emissions equivalent to fuel consumption by ArchSD pool cars [6]	kg	8.200	8.017	7.509	8.794	7.898
SO_x emissions equivalent to fuel consumption by ArchSD pool cars [6]	kg	0.194	0.199	0.169	0.178	0.170
PM emissions equivalent to fuel consumption by ArchSD pool cars [6]	kg	0.604	0.590	0.553	0.648	0.582
Total Fuel consumption by ArchSD pool cars per employee	Litre/employee	6.495	6.632	5.275	5.696	5.259
Total GHG emissions equivalent to fuel consumption by ArchSD pool cars per employee	Tonne CO_2e/ employee	0.018	0.018	0.014	0.015	0.014

[5] Greenhouse gas (GHG) emission factors for mobile combustion are based on the Guidelines to Account for and Report on Greenhouse Gas Emissions and Removals for buildings (Commercial, Residential or Institutional Purpose) in Hong Kong, 2010 Edition.

[6] Air pollutant emission factors for mobile combustion are based on The Hong Kong Environmental Protection Department's ("EPD") EMFAC-HK Vehicle Emission Calculation model and the United States Environmental Protection Agency's Vehicle Emission Modelling Software - MOBILE6.1

Resource Usage – Water

	Unit	2020	2021	2022	2023	2024
Water consumption by the ArchSD [7]	m^3	13 837	14 247	13 611	13 699	14 040

[7] Offices at APB Centre and QGO represent a majority of total ArchSD office space. In the calculation process, ArchSD offices at APB Centre and QGO are assumed to consume 100% and 20% of the water of the whole premises, respectively.

DATA SUMMARY

ENVIRONMENTAL PERFORMANCE

Resource Usage – Office Materials

	Unit	2020	2021	2022	2023	2024
A4 paper consumption	Ream	17 249	16 486	15 199	16 166	15 322
A3 paper consumption	Ream	1 252	1 385	1 223	1 186	1 089
Envelope consumption	No.	27 415	36 784	37 340	31 946	36 859

Waste Management in Programme Areas of Facilities Development and Upkeeping

	Unit	2020	2021	2022	2023	2024
Construction & demolition (C&D) materials						
C&D waste to landfills	Tonne	47 768	42 047	44 980	66 182	89 553
C&D materials to public landfill areas	Tonne	839 544	799 066	1 199 771	686 341	1 708 378
Recyclable waste collected at the APB Centre						
Waste paper	kg	8 119	7 800	7 537	6 984	6 526
Aluminium	No.	3 871	5 569	6 354	9 942	6 740
Plastic bottles	No.	4 237	6 209	8 536	10 715	10 164

Environmental Convictions of Contractors

	Unit	2020	2021	2022	2023	2024
Convictions [8] per 100 000 man-hours	ArchSD sites (HK sites)	0.118 (0.087)	0.037 (0.065)	0.000 (0.137)	0.031 (0.269)	0.100 (0.132)
Monetary value of fines	HK$	22,000	2,000	0	20,000	34,000

[8] 'Environmental convictions' refers to instances of non-compliance associated with the environment, including, but not limited to, violations of permits, standards, and/or regulations associated with waste, air quality and/or emissions, water discharges and hazardous spills.

DATA SUMMARY

SOCIAL PERFORMANCE

Staff Establishment (Civil Service Staff)

	Unit	2020	2021	2022	2023	2024
Staff establishment (as at 31 December of the year) [9]	No.	2 032	2 042	2 033	2 025	2 016

[9] Staff data are extracted from the records kept in the personnel section.

Staff Statistics (as at 31 December of the year unless specified otherwise)

	Employees 2024/2025
By grade based on Civil Service Staff (%)	
Directorate grade staff	38 (2.0%)
Professional grade staff	546 (28.3%)
Site supervisory staff	585 (30.3%)
Technical grade staff	418 (21.6%)
Administrative and Support staff	344 (17.8%)
By age as at 31 March 2025 (%)	
Under 30	181 (9.4%)
30-49	1 284 (66.9%)
50 or above	455 (23.7%)

DATA SUMMARY

SOCIAL PERFORMANCE

Staff Statistics (as at 31 December of the year unless specified otherwise)

		Employees 2024/2025
Staff turnover rate by age (no.)		
	MALE	**FEMALE**
Under 30	0.6% (12)	0.2% (3)
30-50	2.1% (41)	1.0% (19)
51-55	0.1% (2)	0% (0)
56 or above	0.2% (3)	0% (0)
New employee hire rate (no.)		
	MALE	**FEMALE**
Under 30	1.9% (36)	0.7% (13)
30-50	2.2% (42)	0.6% (12)
51-55	0% (0)	0% (0)
56 or above	0% (0)	0.1% (1)
By employment type include Non-Civil Service Contract Staff		
		MALE	**FEMALE**
Civil Service Staff	Full-time	1 263 (65.4%)	668 (34.6%)
Non-Civil Service Contract Staff	Full-time	178 (9.2%)	75 (3.9%)
	Part-time	10 (0.5%)	9 (0.5%)

DATA SUMMARY

SOCIAL PERFORMANCE

Staff Training

	Unit	2020	2021	2022	2023	2024
Number of training courses (including internal and external seminars/workshops/training courses/visits)	No.	422	653	595	704	650
Number of trainees	No.	8 551	16 391	13 908	17 674	14 675

Training Hours

Type of Staff	Total Training Hour Received (Hour)		Training Hour per Staff (Hour)	
Directorate grade staff	1 479		38.9	
	MALE	**FEMALE**	**MALE**	**FEMALE**
	1 108	371	41.0	33.7
Professional grade staff	18 687		34.2	
	MALE	**FEMALE**	**MALE**	**FEMALE**
	10 679	8 007	34.7	33.6
Technical grade, site supervisory and general grade staff	37 549		27.9	
	MALE	**FEMALE**	**MALE**	**FEMALE**
	29 643	7 906	31.9	18.9
Total	57 715		29.9	
	MALE	**FEMALE**	**MALE**	**FEMALE**
	41 430	16 285	32.8	24.4

DATA SUMMARY

SOCIAL PERFORMANCE

Anti-corruption Training

Type of Staff	Number of Staff Participating in Anti-Corruption Training		Percentage of Staff Participating in Anti-Corruption Training [10]	
Directorate grade staff	2		5.3%	
	MALE	**FEMALE**	**MALE**	**FEMALE**
	0	2	0%	18.2%
Professional grade staff	84		15.4%	
	MALE	**FEMALE**	**MALE**	**FEMALE**
	43	41	14.0%	17.2%
Technical grade, site supervisory and general grade staff	736		54.6%	
	MALE	**FEMALE**	**MALE**	**FEMALE**
	584	152	62.9%	36.3%

[10] According to the Development Bureau's Guidelines for Integrity Training Workshop dated 16 July 2018, a 5-year training cycle has been adopted for the ArchSD staff to receive integrity training at regular intervals.

Occupational Health and Safety Management System

	Number of All Employees and Workers [11]	Percentage of All Employees and Workers [11]
Covered by the system	2 016	100%
Covered by the system and internally audited	2 016	100%
Covered by the system and audited or certified by an external party	2 016	100%

[11] 'Workers' refers to persons who are not employees but whose work and/or workplace is controlled by the ArchSD. Contractors' staff directly employed and controlled by the contractors are excluded from this disclosure.

DATA SUMMARY

SOCIAL PERFORMANCE

Staff Injuries

	Unit	2020		2021		2022		2023		2024	
Staff injury cases [12]	No.	2		4		2		1		1	
		M	F	M	F	M	F	M	F	M	F
		1	1	3	1	1	1	1	0	1	0
Staff sick leave granted for staff injury cases	Day	19		38.5		12		6		3	

[12] 'Staff injury cases' refers to reported cases of occupational injuries under the Employee's Compensation Ordinance, resulting in death or incapacity for work over 3 days.

Contractor Establishment

	Unit	2020	2021	2022	2023	2024
Indirect employee (as at 31 December of the year) [13]	No.	>=10 000	>=11 000	>=14 000	>=14 000	>=17 000

[13] Total man-hours in 2020 to 2024 was extracted from Public Works Programme Construction Site Safety and Environmental Statistics System (PCSES) of the Development Bureau. In the calculation process, each worker is assumed to work for 9 hours per working day in every year.

DATA SUMMARY

SOCIAL PERFORMANCE

Contractor's Accident Rate

	Unit	2020	2021	2022	2023	2024
No. of fatalities [14] (ArchSD)	No.	1 (Male: 1)	0	1 (Male: 1)	4 (Male: 4)	0
Fatal accident rate [14] (ArchSD)	per 100 000 man-hours	0.003	0	0.002	0.01	0
Fatal accident rate [15] (HK Construction Industry)	per 100 000 man-hours	0.005	0.006	0.005	0.005	0.003
No. of non-fatal accidents [14] (ArchSD)	No.	61 (Male: 45, Female: 14, Unidentified: 2)	98 (Male: 83, Female: 13, Unidentified: 2)	96 (Male: 82, Female: 13, Unidentified: 1)	77 (Male: 61, Female: 15, Unidentified: 1)	112 (Male: 95, Female: 17)
Non-fatal accident rate [14] (ArchSD)	per 100 000 man-hours	0.21	0.31	0.24	0.20	0.24
Non-fatal accident rate [15] (HK Construction Industry)	per 100 000 man-hours	0.72	0.81	0.81	0.76	0.69

[14] Data from 2024 and previous years were extracted from the Public Works Programme Construction Site Safety and Environmental Statistics System (PCSES) of the Development Bureau as at 20 August 2025.

[15] The accident rate of the Hong Kong Construction Industry is based on the published statistics of the Labour Department, using a conversion of 1.67 accidents per 100 000 man-hours, which is equivalent to 60 accidents per 1 000 workers per year.

GRI CONTENT INDEX

GRI CONTENT INDEX ADVANCED SERVICE 2025

"For the Content Index – Advanced Service, GRI Services reviewed that the GRI content index has been presented in a way consistent with the requirements for reporting in accordance with the GRI Standards, and that the information in the index is clearly presented and accessible to the stakeholders. The service was performed on the English version of the report."

Statement of Use	Architectural Services Department has reported in accordance with the GRI Standards for the period 1 January 2024 to 31 December 2024.
GRI Used	GRI 1: Foundation 2021

GRI Standard	Disclosure		HKEx	SASB	Location	Remarks	External Assurance	Page Number
GRI 2: General Disclosures 2021	**The organisation and its reporting practices**							
	2-1	Organisational details			**ArchSD at a Glance** – Our Organisation and Roles			54-58
	2-2	Entities included in the organisation's sustainability reporting			**About this Report** **ArchSD at a Glance** – Key Facts of the Department			5-6 59
	2-3	Reporting period, frequency and contact point			**About this Report** **Feedback**			5-6 130
	2-4	Restatements of information			**Content Index**	No data or information needs to restate in the reporting period		118
	2-5	External assurance			**Report Verification**			128-129
	Activities and workers							
	2-6	Activities, value chain and other business relationships	KPI B5.1 KPI B5.2 KPI B5.3 KPI B5.4		**ArchSD at a Glance**			54-61
	2-7	Employees	KPI B1.1		**Key Facts of the Department** **Data Summary** – Social Performance			59 112
	2-8	Workers who are not employees			**Data Summary** – Social Performance			116

GRI CONTENT INDEX

GRI Standard	Disclosure		HKEx	SASB	Location	Remarks	External Assurance	Page Number
	Governance							
	2-9	Governance structure and composition			**ArchSD at a Glance** – Organisational Chart, Management Team **Build Robust Sustainability Governance** – Senior Staff Forum			56-57 62-63
	2-10	Nomination and selection of the highest governance body			**Build Robust Sustainability Governance** – Senior Staff Forum	ArchSD is the governmental department of Hong Kong Special Administrative Region and the highest governance body of the department is the senior management.		62-63
	2-11	Chair of the highest governance body			**Build Robust Sustainability Governance** – Senior Staff Forum			62-63
	2-12	Role of the highest governance body in overseeing the management of impacts			**Build Robust Sustainability Governance** – Senior Staff Forum, Managing Risk	The content is about senior management but not board of directors as ArchSD is the governmental department of Hong Kong Special Administrative Region.		62-63 69
	2-13	Delegation of responsibility for managing impacts			**Build Robust Sustainability Governance** – Senior Staff Forum, Managing Risk			62-63 69
	2-14	Role of the highest governance body in sustainability reporting			**Build Robust Sustainability Governance** – Senior Staff Forum, Managing Risk	The content is about senior management but not board of directors as ArchSD is the governmental department of Hong Kong Special Administrative Region.		62-63 69
	2-15	Conflicts of interest			**Build Robust Sustainability Governance** – Senior Staff Forum, Managing Risk	ArchSD follows the rules and regulations shown in Civil Service Bureau, Hong Kong Special Administrative Region as ArchSD is the governmental department of Hong Kong Special Administrative Region.		62-63 69
	2-16	Communication of critical concerns			**Build Robust Sustainability Governance** – Senior Staff Forum, Managing Risk	ArchSD follows the rules and regulations shown in Civil Service Bureau, Hong Kong Special Administrative Region as ArchSD is the governmental department of Hong Kong Special Administrative Region.		62-63 69

GRI CONTENT INDEX

GRI Standard	Disclosure		HKEx	SASB	Location	Remarks	External Assurance	Page Number
	2-17	Collective knowledge of the highest governance body			**Build Robust Sustainability Governance** – Senior Staff Forum, Managing Risk			62-63 69
	2-18	Evaluation of the performance of the highest governance body			**Build Robust Sustainability Governance** – Senior Staff Forum, Managing Risk			62-63 69
	2-19	Remuneration policies			**Content Index**	ArchSD follows the rules and regulations shown in Civil Service Bureau, Hong Kong Special Administrative Region as ArchSD is the governmental department of Hong Kong Special Administrative Region. Please refer to https://www.csb.gov.hk/english/admin/pay/38.html for more information.		118
	2-20	Process to determine remuneration			**Content Index**			118
	2-21	Annual total compensation ratio			**Build Robust Sustainability Governance** – Departmental Funding and Expenditure			60-61
	Strategy, policies and practices							
	2-22	Statement on sustainable development strategy			**Message from the Director** Our Strategy and Approach			3-4 62-63
	2-23	Policy commitments			**Build Robust Sustainability Governance** – Policies and Guidelines			64
	2-24	Embedding policy commitments			**Build Robust Sustainability Governance** – Policies and Guidelines			64
	2-25	Processes to remediate negative impacts			**Build Robust Sustainability Governance** – Policies and Guidelines			64
	2-26	Mechanisms for seeking advice and raising concerns	KPI B7.2		**Build Robust Sustainability Governance** – Maintaining Integrity and Professionalism			73
	2-27	Compliance with laws and regulations	GD A1 GD B6		**Build Robust Sustainability Governance** – Policies and Guidelines – Managing Risk – Maintaining Integrity and Professionalism			64 69 73
	2-28	Membership associations			**Stakeholder Engagement and Materiality** – Industry Engagement			75

GRI CONTENT INDEX

GRI Standard	Disclosure		HKEx	SASB	Location	Remarks	External Assurance	Page Number
	Stakeholder engagement							
	2-29	Approach to stakeholder engagement	KPI B6.2		**Build Robust Sustainability Governance** – Materiality Assessment			76-77
	2-30	Collective bargaining agreements			**Content Index**	**Not applicable** There is no collective bargaining legislation that exists in Hong Kong but we have maintained various staff engagement channels such as the Departmental Consultative Committee, Joint Staff Consultation Group, Staff Motivation Scheme, Web Forum, Staff Relation Units and other staff associations.		121
GRI 3: Material Topics 2021	3-1	Process to determine material topics			**Build Robust Sustainability Governance** – Materiality Assessment			76-77
	3-2	List of material topics			**Build Robust Sustainability Governance** – Materiality Assessment			76-77
Deliver environmentally and socially responsible projects (Material topic)								
GRI 3: Material Topics 2021	3-3	The management approach and its components			**Build Green Environments For Future Resilience** – Sustainable Building Design Strategies			86-87
Bring positive impacts on the social well-being, livelihood and prosperity of local communities and individuals (Material topic)								
GRI 3: Material Topics 2021	3-3	The management approach and its components			**Build Green Environments For Future Resilience** – Driving Low-Carbon Transformation			85-93

GRI CONTENT INDEX

GRI Standard	Disclosure		HKEx	SASB	Location	Remarks	External Assurance	Page Number
Ethical practices (Material topic)								
GRI 3: Material Topics 2021	3-3	The management approach and its components			**Build Robust Sustainability Governance** – Maintaining Integrity and Professionalism **Build an Inclusive Workplace and Society** – Empowering our People			73 94
GRI 205: Anti-Corruption 2016	205-1	Operations assessed for risks related to corruptions	KPI B7.2		**Build Robust Sustainability Governance** – Maintaining Integrity and Professionalism			73
	205-2	Communication and training about anti-corruption policies and procedures	KPI B7.3		**Build Robust Sustainability Governance** – Maintaining Integrity and Professionalism **Data Summary** – Anti-corruption Training			73 115
	205-3	Confirmed incidents of corruptions and actions taken	KPI B7.1		**Build Robust Sustainability Governance** – Maintaining Integrity and Professionalism			73
GRI 406: Non-discrimination 2016	406-1	Incidents of discrimination and corrective actions taken	GD B1		**Build an Inclusive Workplace and Society** – Empowering our People **Content Index**	No incident of discrimination was reported in 2024.		94 122
Energy mix and efficiency (Material topic)								
GRI 3: Material Topics 2021	3-3	The management approach and its components	GD A2 GD A3 KPI A2.3	IF-EN-410a.2	**Build Green Environments For Future Resilience** – Driving Low-Carbon Transformation			92
GRI 302: Energy 2016	302-1	Energy consumption with the organisation	KPI A2.1		**Build Green Environments For Future Resilience** – Managing our Footprint			91
	302-3	Energy Intensity	KPI A2.1		**Data Summary** – Environmental Performance			109
	302-4	Reduction of energy consumption	KPI A2.3					
	302-5	Reductions in energy requirements of products and services	KPI A2.3					

GRI CONTENT INDEX

GRI Standard	Disclosure		HKEx	SASB	Location	Remarks	External Assurance	Page Number
Health and safety for all (Material topic)								
GRI 3: Material Topics 2021	3-3	The management approach and its components	GD B2 KPI B2.3	IF-EN-250a.2	**A Holistic Approach to Safety and Sustainability**			97-98
GRI 403: Occupational Health and Safety 2018	403-1	Occupational health and safety management system	GD B2 KPI B2.3	IF-EN-250a.2				
	403-2	Hazard identification, risk assessment, and incident investigation	GD B2 KPI B2.3		**A Holistic Approach to Safety and Sustainability** – Safety First at Construction Sites			98
	403-3	Occupational health services	GD B2 KPI B2.3					
	403-4	Worker participation, consultation, and communication on occupational health and safety	GD B2					
	403-5	Worker training on occupational health and safety	GD B2 KPI B2.3		**A Holistic Approach to Safety and Sustainability**			97-102
	403-6	Promotion of worker health	GD B2		**A Holistic Approach to Safety and Sustainability** – Safety First at Construction Sites			98
	403-7	Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	GD B2 KPI B2.3					
	403-8	Workers covered by an occupational health and safety management system	GD B2 KPI B2.3		**A Holistic Approach to Safety and Sustainability** – Safety First at Construction Sites **Data Summary** – Social Performance			98 115
	403-9	Work-related injuries	KPI B2.1 KPI B2.2	IF-EN-320a.1	**Data Summary** – Social Performance			117
	403-10	Work-related ill health	KPI B2.1		**Data Summary** – Social Performance			117

GRI CONTENT INDEX

GRI Standard	Disclosure		HKEx	SASB	Location	Remarks	External Assurance	Page Number
User health and safety in using the facilities (Material topic)								
GRI 3: Material Topics 2021	3-3	The management approach and its components	GD B6		**A Holistic Approach to Safety and Sustainability** – Raising and Recognising Sustainability Performance			99
GRI 416: Customer Health and Safety 2016	416-1	Assessment of the health and safety impacts of product and service categories			**Engaging the Public** **Serving our Community**			103-106 107-108
	416-2	Incidents of non-compliance concerning the health and safety impacts of products and services	GD B6		**Content Index**	No incident of non-compliance concerning health and safety impacts of products and services was reported in 2024.		124
Use advanced technologies to enhance project quality and productivity (Additional non-material topic)								
GRI 3: Material Topics 2021	3-3	The management approach and its components			**Build Green Environments For Future Resilience** – Driving Low-Carbon Transformation			85-93
Climate risks and response + **Economic performance** (Additional non-material topics)								
GRI 3: Material Topics 2021	3-3	The management approach and its components			**Build Robust Sustainability Governance** – Climate-related Risks and Opportunities			69-71
GRI 201: Economic Performance 2016	201-1	Direct economic value generated and distributed	KPI B8.2		**Build Robust Sustainability Governance** – Departmental Funding and Expenditure			60-61
	201-2	Financial implications and other risks and opportunities due to climate change	KPI A4.1		**Build Robust Sustainability Governance** – Climate-related Risks and Opportunities			69-71
	201-4	Financial assistance received from the government			**Build Robust Sustainability Governance** – Departmental Funding and Expenditure			60-61

GRI CONTENT INDEX

GRI Standard	Disclosure		HKEx	SASB	Location	Remarks	External Assurance	Page Number
Indirect Economic Impacts (Additional non-material topic)								
GRI 3: Material Topics 2021	3-3	The management approach and its components			**ArchSD at a Glance** – Key Facts of the Department	ArchSD supported clients to build community-focused infrastructure that drives local economic activities, enhances public wellness, and revitalises neighbourhoods. By developing public facilities and preserving historic monuments, we promote sustainable urban growth, attract tourism and business opportunities, and strengthen community identity. For further details, please refer to our stakeholder interviews and case studies.		59
GRI 203: Indirect Economic Performance 2016	203-1	Infrastructure investments and services supported			**Stakeholder Interview** **Case Studies**			78-84 19-53
Water efficiency and recycling (Additional non-material topic)								
GRI 3: Material Topics 2021	3-3	The management approach and its components	GD A2 GD A3	IF-EN-410a.2	**Build Green Environments For Future Resilience** – Water Efficiency and Recycling			92
GRI 303: Water and Effluents 2018	303-1	Interactions with water as a shared resource	KPI A2.2 KPI A2.4 KPI B5.3		**Data Summary** – Environmental Performance			110
	303-2	Management of water discharge-related impacts		IF-EN-160a.2	**Content Index**	Effluents of ArchSD are discharged into municipal sewage treatment systems, and comply with local regulatory standards of effluents discharge.		125
	303-4	Water discharge			**Content Index**	Not applicable. It is not material to ArchSD due to its operational nature.		125
	303-5	Water consumption	KPI A2.2		**Data Summary** – Environmental Performance			110

GRI CONTENT INDEX

GRI Standard	Disclosure		HKEx	SASB	Location	Remarks	External Assurance	Page Number
Management of GHG emissions and related environmental risks (Additional non-material topic)								
GRI 3: Material Topics 2021	3-3	The management approach and its components	GD A1 GD A3 KPI 1.5 KPI A3.1 KPI A4.1	IF-EN-160a.2	**Build Green Environments For Future Resilience** – Managing our Footprint			91
GRI 305: Emissions 2016	305-1	Direct (Scope 1) GHG emissions	KPI A1.1 KPI A1.2		**Build Green Environments For Future Resilience** – Managing our Footprint **Data Summary** – Environmental Performance			91 109
	305-2	Energy indirect (Scope 2) GHG emissions	KPI A1.1 KPI A1.2					
	305-7	Nitrogen oxides (NO_x), sulfur oxides (SO_x), and other significant air emissions	KPI A1.1					
Resource efficiency and circularity (Additional non-material topic)								
GRI 3: Material Topics 2021	3-3	The management approach and its components			**Build Green Environments For Future Resilience** – Resource Efficiency			92
GRI 306: Waste 2020	306-1	Waste generation and significant waste-related impacts	KPI A3.1	IF-EN-160a.2	**Build Green Environments For Future Resilience** – Waste Management **Data Summary** – Environmental Performance			92 111
	306-2	Management of significant waste-related impact						
Employment practices, welfare and rights (Additional non-material topic)								
GRI 3: Material Topics 2021	3-3	The management approach and its components	GD B1		**Build an Inclusive Workplace and Society** – Empowering our People			94
GRI 401: Employment 2016	401-1	New employee hires and employee turnover	KPI B1.2		**Data Summary** – Social Performance			113
	401-2	Benefits provided to full-time employees that are not provided to temporary or part-time employees			**Content Index**	ArchSD follows the rules and regulations shown in Civil Service Bureau, Hong Kong Special Administrative Region as ArchSD is the governmental department of Hong Kong Special Administrative Region.		126
	401-3	Parental Leave			**Content Index**	100% return to work after parental leave.		126

GRI CONTENT INDEX

GRI Standard	Disclosure		HKEx	SASB	Location	Remarks	External Assurance	Page Number
Diverse and comprehensive staff training and development (Additional non-material topic)								
GRI 3: Material Topics 2021	3-3	The management approach and its components	GD B3		**Build an Inclusive Workplace and Society** – Staff Development and Knowledge Management			94-95
GRI 404: Training and Education 2016	404-1	Average hours of training per year per employee	KPI B3.1 KPI B3.2		**Data Summary** – Social Performance			114
	404-2	Programs for upgrading employee skills and transition assistance programs			**Build an Inclusive Workplace and Society** – Staff Development and Knowledge Management			94-95
	404-3	Percentage of employees receiving regular performance and career development reviews			**Content Index**	All staff receive regular performance appraisal.		127
Community Engagement (Additional non-material topic)								
GRI 3: Material Topics 2021	3-3	The management approach and its components	GD B8		**A Holistic Approach to Safety and Sustainability** – Raising and Recognising Sustainability Performance **Engaging the Public** **Serving our Community**			99 103 107-108
GRI 413: Local Communities 2016	413-1	Operations with local community engagement, impact assessments, and development programs						

REPORT VERIFICATION

Assurance Statement

SGS HONG KONG LIMITED'S REPORT ON SUSTAINABILITY ACTIVITIES IN THE SUSTAINABILITY REPORT 2025 OF ARCHITECTURAL SERVICES DEPARTMENT OF THE GOVERNMENT OF THE HONG KONG SPECIAL ADMINISTRATIVE REGION

NATURE OF THE ASSURANCE

SGS Hong Kong Limited (hereinafter referred to as SGS) was commissioned by Architectural Services Department (hereinafter referred to as ArchSD) to conduct an independent assurance of the Sustainability Report 2025 (hereinafter referred to as the Report).

INTENDED USERS OF THIS ASSURANCE STATEMENT

This Assurance Statement is provided with the intention of informing all ArchSD's stakeholders.

RESPONSIBILITIES

The information in the Report and its presentation are the responsibilities of ArchSD. SGS has not been involved in the preparation of any of the material included in the Report.

Our responsibility is to express an opinion on the text, data, graphs and statements within the scope of assurance with the intention to inform all ArchSD's stakeholders.

ASSURANCE STANDARDS, TYPE AND LEVEL OF ASSURANCE

The SGS ESG & Sustainability Report Assurance protocols used to conduct assurance are based upon internationally recognised assurance guidance and standards.

The assurance of this report has been conducted according to the following Assurance Standard:

Assurance Standard	Level of Assurance
International Standard on Sustainability Assurance (ISSA) 5000	Limited

SCOPE OF ASSURANCE AND REPORTING CRITERIA

The scope of the assurance included evaluation of quality, accuracy and reliability of specified performance data and information included the text and data in accompanying tables contained in the Report. Data and information were included in this assurance process during the period from 1 January 2024 to 31 December 2024.

Reporting Criteria
Global Reporting Initiative ("GRI") Sustainability Reporting Standards 2021 (In Accordance with)

REPORT VERIFICATION

ASSURANCE METHODOLOGY

The assurance comprised a combination of pre-assurance research, data sampling, documentation and record review, calculating and reporting the specified performance data and information. Raw data and supporting evidence of the selected samples were also examined during the assurance process. The procedures performed in a limited assurance engagement vary in nature and timing from, and are less in extent than for, a reasonable assurance engagement. Consequently, the level of assurance obtained in a limited assurance engagement is substantially lower than the assurance that would have been obtained had a reasonable assurance engagement been performed.

LIMITATIONS AND MITIGATION

Financial data drawn directly from independently audited financial accounts has not been checked back to source as part of this assurance process. Notes here any other specific limitations for the assurance engagement and actions taken to mitigate those limitations.

STATEMENT OF INDEPENDENCE AND COMPETENCE

The SGS Group of companies is the world leader in testing, inspection and certification, operating in more than 140 countries and providing services including management systems and service certification; quality, environmental, social and ethical auditing and training; environmental, social and sustainability report assurance. SGS affirms our independence from ArchSD, being free from bias and conflicts of interest with its stakeholders.

The assurance team was assembled based on their knowledge, experience and qualifications for this assignment, and comprised auditors registered with IRCA EMS Principal Auditor, auditor of ISO 37001 & ISO 26000 & ISO 45001, nominated tutor of GRI Standards and experience of the SRA assurance service provisions.

ASSURANCE OPINION

On the basis of the methodology described and the verification work performed, nothing has come to our attention that causes us to believe that the specified performance data and information included in the scope of assurance is not fairly stated and prepared, in all material respects, in accordance with the above mentioned reporting criteria.

We believe that ArchSD has chosen an appropriate level of assurance for this stage in their reporting.

Signed:
For and on behalf of SGS Hong Kong Limited

Miranda Kwan
Director
Business Assurance
20 October 2025
WWW.SGS.COM

FEEDBACK

Thank you for reading our report, we would like to hear your feedback. Your comments and suggestions to this short survey will help us improve our report – and it only takes a couple of minutes.

Why did you read our Sustainability Report 2025?
(You may choose more than one)

- ☐ For general interest
- ☐ For our sustainability performance benchmarking
- ☐ For research and educational purposes
- ☐ For investment purposes
- ☐ Other(s), please specify_____

Please rate the quality of our Sustainability Report 2025 based on the following criteria:

	Excellent				Poor
	5	4	3	2	1
Content clarity	☐	☐	☐	☐	☐
Visual design	☐	☐	☐	☐	☐
Ease of finding information	☐	☐	☐	☐	☐

Which of the following best describes you?

- ☐ Academic / Professional Body
- ☐ ArchSD's Staff
- ☐ Construction Industry/ Consultant / Contractor / Supplier
- ☐ General Public
- ☐ Non-governmental Organisation
- ☐ Other Government Departments

Where did you learn about the ArchSD Sustainability Report?

- ☐ Mass media (e.g. TV, newspaper, magazine, radio)
- ☐ Social media (e.g. Archi Tour@Facebook, architourhk@Instagram, ARCHSDGOVHK@YouTube)
- ☐ Internet (e.g. ArchSD Website and search engine)
- ☐ Exhibition
- ☐ Meeting / Seminar / Workshop
- ☐ Other(s), please specify_____

Additional Comments

Which section(s) of the report did you find most informative or useful? What would you suggest to help us improve the report quality? Do you have any comment or suggestion on our sustainability performance or future reports?

You can also send an email to imu@archsd.gov.hk. The information will be used in strict confidence and for statistical purposes only.

GLOSSARY

Building Environmental Assessment Method (BEAM) Plus

According to the BEAM Society, BEAM is 'a means by which to benchmark and improve performance in the planning, design, construction, commissioning, operation and management of buildings.' BEAM Plus is a comprehensive environmental assessment scheme recognised by the Hong Kong Green Building Council. Issued in 2012, the "BEAM Plus Version 1.2 for New Buildings and Existing Buildings" were enhanced from the earlier versions to include Passive Design as an alternative method for assessment. The BEAM Plus Version 2.0 for Existing Buildings was officially launched in 2016, which contains major revisions to the assessment guidelines and offers greater flexibility in the scope of assessment, with a view to encouraging more participation by owners of existing buildings in Hong Kong. The "BEAM Plus Version 2.0 for New Buildings" was officially launched in 2019, which introduces new assessment credits that promotes healthy living and wellness of building users. A new assessment aspect, Integrated Design and Construction Management, has been added to encourage the adoption of an integrated design approach to green buildings throughout the development process from design to construction.

Building Information Modelling (BIM)

Building Information Modelling is the process of generating and managing building data during the design and construction stages, as well as during the building or asset life cycle. The process uses multi-dimensional building modelling software and a unified data environment to enhance cross-disciplinary collaboration and increase productivity.

Code on Access to Information

The Code on Access to Information (the Code) provides a formal framework for access to information held by government departments in Hong Kong. It defines the scope of information that will be provided, sets out how the information will be made available either routinely or in response to a request, and lays down procedures governing its prompt release, as well as procedures for review or complaint (if a member of the public considers that the provisions of the Code have not been properly applied).

Corporate Intelligence (CO-i)

ArchSD aims at enhancing its operational efficiency by applying smart and innovative technologies in the work process through the CO-i development. The core of the CO-i development is a big data bank with a linkage to various application systems to facilitate 'Architectural Intelligence'. This data bank includes an integrated project management platform, an advanced asset information system integrated with Building Information Modelling (BIM), and a mobile platform for construction site supervision and workflow digitalisation.

Design for Manufacture and Assembly (DfMA)

This proactive design approach allows for ease of manufacture and efficiency of assembly, enables offsite manufacture of high-quality construction components and efficient onsite assembly of components. It is a well- established approach in the construction industry for accomplishing significant improvements in productivity, safety, quality and sustainability. Applying DfMA also enables the identification, quantification and elimination of waste or inefficiencies in product manufacture and assembly to achieve lean construction.

ArchSD Extranet

The ArchSD Extranet is a private, secure web portal, equipped with a restricted access to enhance communications and information exchange with external users (such as consultants and contractors), and streamline contract management of works projects undertaken by the Department.

Global Reporting Initiative (GRI)

GRI is a multi-stakeholder-governed institution, which provides a framework for sustainability reporting commonly used all over the world. The framework sets out the principles and disclosure requirements that entities can use to measure and report their economic, social and environmental performance. GRI published its revised Sustainability Reporting Standards (GRI Standards) in 2021.

GLOSSARY

Greenhouse Gases

Greenhouse gases are those which absorb and hold heat in the atmosphere, either occurring naturally (e.g. carbon dioxide, methane, ozone and water vapour) or resulting exclusively from human activities (e.g. hydrofluorocarbons).

Greenhouse Gas Protocol

The Greenhouse Gas Protocol establishes comprehensive standardised global frameworks to measure and manage greenhouse gas (GHG) emissions from private and public sector operations, value chains and mitigation actions. It is the world's most widely used greenhouse gas accounting standard.

Hong Kong's Climate Action Plan 2050

In line with the spirit of the Paris Agreement, Hong Kong's "Climate Action Plan 2050" published by the Environment Bureau was updated in 2021, setting out the vision of "Zero-carbon Emissions • Liveable City • Sustainable Development" as well as the strategies and targets for combating climate change and achieving carbon neutrality before 2050. The new plan outlines four major decarbonisation strategies and measures, namely net-zero electricity generation, energy saving and green buildings, green transport, and waste reduction.

Hong Kong Green Organisation Certificate (HKGOC)

The Hong Kong Green Organisation Certification (HKGOC) benchmarks green organisations with substantial achievements in green management and encourages participating organisations to adopt environmental practices, while recognising their efforts in and commitments to the environment. It comprises five Certificates: a Wastewi$e Certificate, Energywi$e Certificate, IAQwi$e Certificate, and Carbon Reduction Certificate.

ISO 14001 Environmental Management System

ISO 14001 is an international standard published by the International Organization for Standardization (ISO) in 1996, which specifies requirements for the development and implementation of an environmental management system. It is intended for use by organisations seeking to improve their environmental performance in a systematic manner from resource usage and waste management to monitoring environmental performance and involving stakeholders in environmental commitments, and thereby contributing to the environmental pillar of sustainability.

ISO 45001 Occupational Health and Safety Management System

ISO 45001 is an international standard published by the International Organization for Standardization (ISO) in 2018, which specifies requirements for the development and implementation of an occupational health and safety management system (OH&S). It enables organisations to systematically prevent work-related injuries and ill health through hazard assessment and risk control implementation with a view to improving their OH&S performance and thereby providing safe and healthy workplaces.

ISO 50001 Energy Management System

ISO 50001 is an international standard published by the International Organization for Standardization (ISO) in 2011, which specifies requirements for the development and implementation of an energy management system. Adopting the ISO 50001 Energy Management System enables organisations to improve their energy performance, which generally includes energy use, energy efficiency and energy consumption, in a systematic approach.

GLOSSARY

ISO 9001 Quality Management System

ISO 9001 is an international standard published by the International Organization for Standardzation (ISO) in 1987, which specifies requirements for the development and implementation of a quality management system. Adopting the ISO 9001 Quality Management System supports organisations to provide products and services that consistently meet customer and applicable statutory and regulatory requirements and enhance customer satisfaction through various improvement processes.

ISO 37001 Anti-bribery Management System

ISO 37001 is an international standard published by the International Organization for Standardization (ISO) in 2016, which specifies requirements for the establishment of an anti-bribery management system. Adopting ISO 37001 Anti-bribery Management System supports organisations in establishing, implementing, maintaining and improving an anti-bribery compliance programme in order to prevent, detect and address bribery risks.

Integrated Management System (IMS)

ArchSD's Integrated Management System consists of five management systems, namely Quality Management System, Environmental Management System, Anti-bribery Management System, Occupational Health and Safety Management System and Energy Management System.

Microclimate

A microclimate generally refers to the specific climatic conditions within a small area (such as a street, park or riverside). Due to the influence of the surrounding terrain, orientation and density of buildings, as well as weather conditions and other factors, the climatic characteristics of an area may differ from those prevailing over the surrounding large region.

Modular Integrated Construction (MiC)

Modular Integrated Construction (MiC) refers to a construction method in which free-standing integrated modules (completed with finishes, fixtures, fittings, etc.) are manufactured offsite and then transported to the construction site for assembly.

Multi-trade Integrated Mechanical, Electrical and Plumbing (MiMEP)

Multi-trade integrated Mechanical, Electrical and Plumbing (MiMEP) refers to the integration of multi-trade building service components into a single assembly of a prefabricated module, manufactured in a factory and then transported to the construction site for connection.

Sustainability Accounting Standards Board (SASB)

The Sustainability Accounting Standards Board (SASB) is an independent non-profit organisation that sets standards to guide the disclosure of financially material sustainability information by companies to their investors.

United Nations Sustainable Development Goals (UNSDGs)

Adopted by all United Nations Member States in 2015, the Sustainable Development Goals (SDGs) are the blueprint to achieve a better and more sustainable future for all. The 17 Goals aim to address the global challenges we face, including those related to poverty, inequality, climate change, environmental degradation, peace and justice.

WEB Content Accessibility Guidelines (WCAG)

The Web Content Accessibility Guidelines (WCAG) cover a wide range of recommendations for making web content more accessible to a wider range of people with disabilities. Disabilities may include blindness and low vision, deafness and hearing loss, learning disabilities, cognitive limitations, limited movement, speech disabilities, photosensitivity and/or combinations of these.