

COLLABORATING FOR SUSTAINABLE INDUSTRY SYNERGY

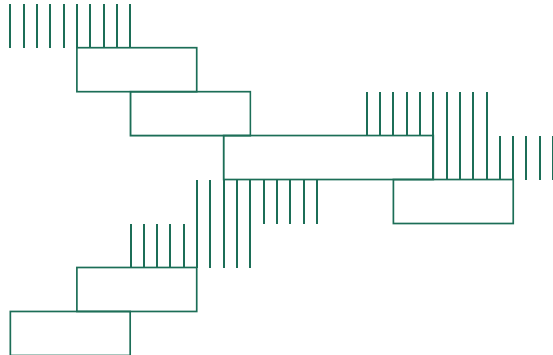
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SUPPORTING THE UNSDGS



We collaborate with bureaux and departments and other industry partners to organise seminars, experience sharing and focus groups

We organise regular site visits, meetings and workshops for the implementation of environmental, health and safety measures of the highest standards at construction sites



We maintain a robust ongoing stakeholder engagement with our key stakeholders, including clients and business partners, to ensure sustainability best practices are pursued throughout our value chain. All ArchSD contractors and suppliers are required to strictly abide by Hong Kong laws, such as those relating to anticorruption, upon submission of their tenders.

VALUING OUR CLIENTS

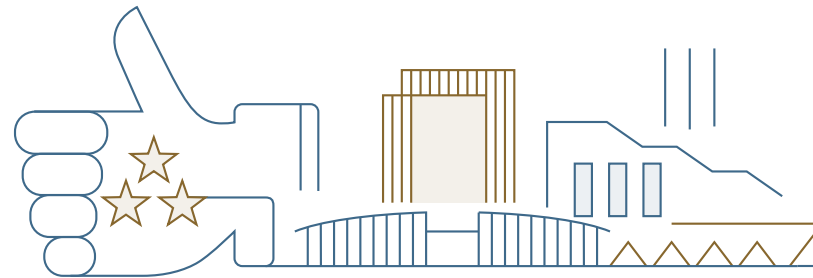
Customer satisfaction is always a top priority. Through ongoing reviews, measurement and comprehensive analysis, we obtain feedback and comments from clients, in order to proactively manage their interests and expectations throughout the lifecycle of projects. With this commitment to providing

excellent services, we have made progressive improvement and achieved impressive results during the reporting year.

To better understand and surpass the expectation of our clients, a Client Satisfaction Survey is conducted as one of our

key performance assessment metrics on a regular basis. In 2020, a total of 13 surveys were conducted for projects that were under design, construction or newly completed. The results reflected our overall outstanding performance during the year.

SATISFIED LEVEL ON OVERALL PERFORMANCE



100% of the completed projects achieved level of 'Satisfied' or above on overall performance

PROVIDING HIGH QUALITY, GREEN AND SUSTAINABLE BUILDINGS

As per the objective in improving climate resilience and fostering climate change mitigation stated by the Government, ArchSD has pioneered innovative projects which integrate elements of resilience and sustainability. We closely collaborate with our contractors and industry partners, aiming at implementing a wide array of green building initiatives and promoting sustainability across multiple industries.

To premise on the commitment to providing quality green and sustainable buildings, the adoption of the Building Environmental Assessment Method Plus (BEAM Plus) in new projects has illustrated ArchSD's strategic approach towards sustainability. This assessment scheme – widely recognised and adopted by industry peers in Hong Kong – examines the full lifecycle performance of buildings, from planning, design and construction to management, operation and maintenance. Upon fulfilling the assessment criteria, buildings are awarded merit in each performance category and an overall performance grade.

As of the end of 2020, we have earned BEAM and BEAM Plus certifications for 70 buildings, BEAM Plus Interior certifications for 3 offices and BEAM Plus Existing Building (Selective Scheme) for 3 buildings.

CERTIFIED BUILDINGS UNDER THE BEAM UP TO 2020

TYPE OF CERTIFICATE	RATING		SUBTOTAL
BEAM Certification* (Version 1/96R, 2/96 & 2/96R)	Excellent	Very Good	13
	11	2	
BEAM Certification** (Version 4/03 & 4/04)	Platinum	Gold	28
	17	11	
BEAM Plus (New Buildings) Certification*** (Version 1.1 & 1.2)	12	17	29
BEAM Plus (Interior) Certification	Platinum		3
	3		
BEAM Plus Existing Building (Version 2.0 Selective Scheme) Certification	Excellent	Satisfactory	3
	2	1	
Total			76

* Reference to specific versions of the BEAM Certificate:

Version 1/96R – An Environmental Assessment Method for New Air-conditioned Office Premises. 1999;
Version 2/96 – An Environmental Assessment Method for Existing Air-conditioned Office Premises. 1996; and
Version 2/96R – An Environmental Assessment Method for Existing Air-conditioned Office Premises. 1999.

** Reference to specific versions of the BEAM Certificate:

Version 4/03 – Pilot Version of Hong Kong Building Environmental Assessment Method for New Buildings Developments. 2003; and
Version 4/04 – Hong Kong Building Environmental Assessment Method for New Buildings. 2004.

*** Reference to specific versions of the BEAM Certificate:

Version 1.1 – BEAM Plus New Buildings. 2010; and
Version 1.2 – BEAM Plus New Buildings. 2012.

ENSURING SAFETY CULTURE AT CONSTRUCTION SITES

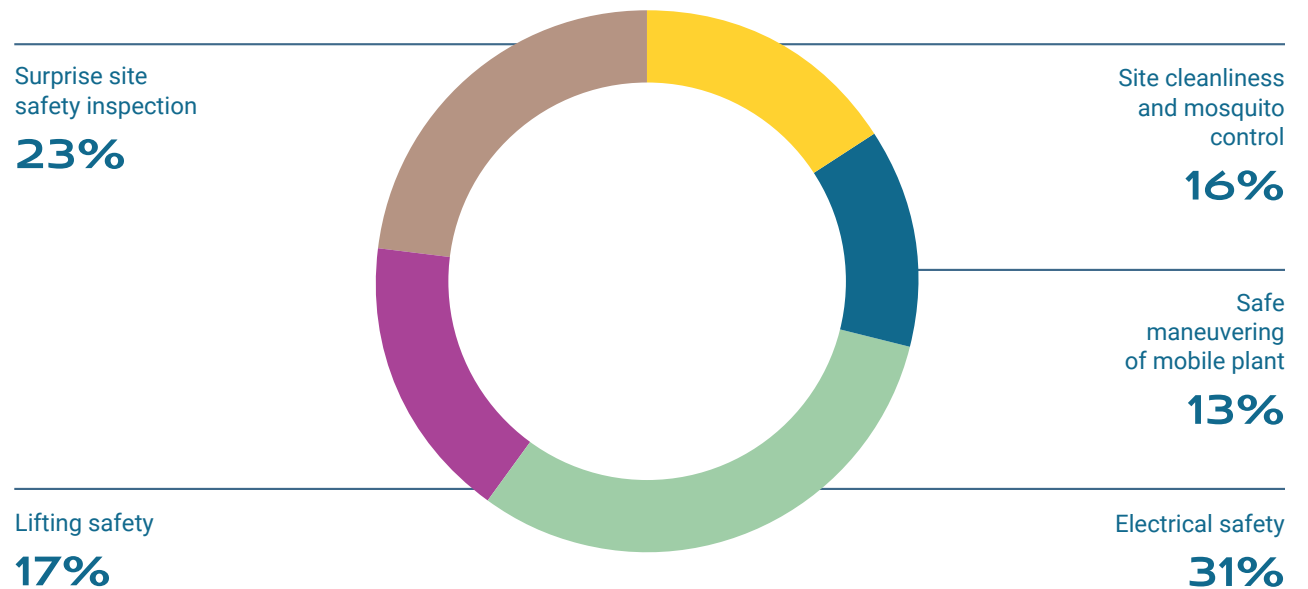
To maintain workplace safety, we required our contractors to strictly adhere to applicable site safety requirements while inducing industry best practices. Contractors are encouraged to access comprehensive guidance materials in our knowledge bank, including site safety checklists, briefing notes, safety audit results, and other relevant documents, alongside with the regular dissemination of information regarding Work Safety Alerts issued by Labour Department and other safety reminders.

To safeguard occupational health and safety of contractors, members of our Departmental Safety & Environmental Advisory Unit visit project locations to perform surprise inspections in relation to specific site safety issues that have been brought to our concerns and to ensure corrective actions are taken in a timely manner.

In 2020, we completed a total of 150 site inspections on selected site safety topics or issues and surprise site safety inspections for new work sites, including:

- Site cleanliness and mosquito control (24 nos. of inspection)
- Safe maneuvering of mobile plant (20 nos. of inspection)
- Electrical safety (47 nos. of inspection)
- Lifting safety (25 nos. of inspection)
- Surprise site safety inspection (34 nos. of inspection)

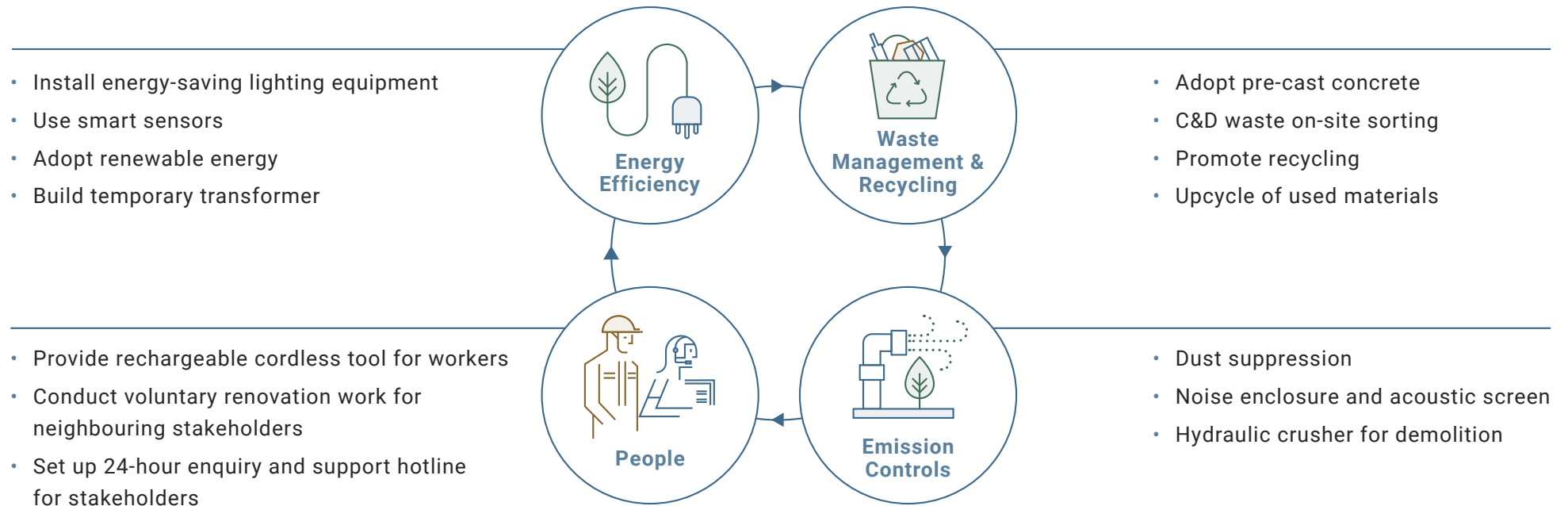
In addition, we arrange regular project progress meetings to keep track and review on contractors' environmental and safety performance. To rectify substandard performance, we conscientiously discuss with contractors for the formulation of action and improvement plans.



IMPLEMENTING GREEN AND SMART PRACTICES

In ArchSD’s projects, diversified practices have been initiated and applied on site operations by our contractors to monitor on-site sustainability performance and progressively outperform the industry for

demonstration of best practices. Innovative and self-initiated practices were also introduced. The four major green and smart practices are described as follows:



RECOGNISING OUR CONTRACTORS’ PERFORMANCE

In recognition of the outstanding performance of our contractors, subcontractors and site personnel, two formal commendation – Green Contractor Award and Considerate Contractors Site Award Scheme

Award are offered annually, praising their excellent environmental performance in carrying out projects.

GREEN CONTRACTOR AWARD

Our Green Contractor Award encourages green initiatives during construction, as well as compliments contractors' continual efforts in achieving sustainability. In 2020, numerous green measures such as energy-saving, water conservation, waste reduction, emissions mitigation and environmental management were initiated during daily operations.

In 2020, one Gold, one Silver, two Bronze, one Special Award and one Term Contract Award were presented to the following contractors, which involved projects under construction during the year or maintenance projects with contract sums exceeding \$30 million.



GOLD AWARD

Paul Y. – Able Joint Venture

Contract No.: SSF501

Design and Construction of Redevelopment of Queen Mary Hospital Phase I – Main Works at Pok Fu Lam Road, Hong Kong.

SILVER AWARD

Yau Lee Construction Company Limited

Contract No.: SSE502

Design and Construction of Rank and File Quarters for Fire Services Department at Area 106, Pak Shing Kok, Tsung Kwan O

BRONZE AWARD

Hanison Construction Company Limited

Contract No.: SSE509

Construction of sports centre, community hall and football pitches in Area 1, Tai Po

Hip Hing Engineering Company Limited

Contract No.: SSG501

Design and Construction of Immigration Headquarters in Area 67, Tseung Kwan O

Contract No.: SSF505

Design and Construction of Inland Revenue Tower in Kai Tak Development Area

SPECIAL AWARD – FAST TRACK PROJECT

China State Construction Engineering (Hong Kong) Limited

Contract No.: SSJ519

Design and Construction of Temporary Quarantine Facilities at Penny's Bay, Lantau Island, New Territories

Contract No.: SSJ526

Design and Construction of Temporary Quarantine Facilities at Penny's Bay (Phase IIIB), Lantau Island, New Territories

TERM CONTRACT AWARD

Cheung Hing Construction Company Limited

Contract No.: TC C514

Term Contract for Design and Construction Works of District Community Green Stations

CONSIDERATE CONTRACTORS SITE AWARD SCHEME AWARD

Co-organised by DEVB and the CIC, this award scheme is to encourage contractors, subcontractors, and all personnel on the construction site operate in a responsible and considerate manner at all times, with due consideration of environment and public health and safety.

ArchSD's contractors received total 9 awards in both Considerate Contractors Site Award (CCSA) and Outstanding Environmental Management and Performance Award (OEMPA) categories, in the 27th Considerate Contractors Site Award Scheme Award, including:



CONTRACT TITLE	CONTRACTOR	CCSA		
		NEW WORKS CONTRACTS	RMAA WORKS CONTRACTS	OEMPA
1 SS F501 – Design and Construction of Redevelopment of Queen Mary Hospital (Phase 1) – Main Works	Paul Y. – Able Joint Venture	Merit	Not applicable	Silver
2 RF G508 – Conversion of Secondary Pool and Children's Pool for the Provision of Heated Pool at Morse Park Swimming Pool Complex	Chevalier (Construction) Company Limited	Merit	Not applicable	Merit
3 SS E502 – Design and Construction of Rank and File Quarters for Fire Services Department at Area 106, Pak Shing Kok, Tseung Kwan O	Yau Lee Construction Company Limited	Merit	Not applicable	Merit
4 TC H938 – 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)]	Cheung Hing Construction Company Limited	Not applicable	Merit	Merit
5 TC F928 – 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)]	Chun Wo Joint Venture	Not applicable	Merit	Not applicable

INTERVIEW WITH INDUSTRY



MR. CHAN KA KUI, SBS, JP

Chairman, Construction Industry Council

The CIC plays a facilitator role between the construction industry and the Government. We communicate the industry's needs and aspirations and solicit opinions from stakeholders. As one of our long-standing partners, we have been working with ArchSD to organise a variety of training and activities that support industry development, collaboration and improve construction productivity, and efficiency. To our pleasure, ArchSD has also enthusiastically responded to, and participated in, our industry events, such as Construction Industry Sports Day and Charity Fun Day, Construction Innovation Expo, conferences, competitions and awards.

ArchSD spares no effort in improving project site's occupational health and safety and

workers wellbeing, providing on-going support to enhance contractors' management approach and performance. ArchSD's projects consistently performed outstandingly in Considerate Contractors Site Award Scheme in which co-organise with the Development Bureau. We are dedicated to achieving zero fatal accidents in construction sites and promoting safety training to industry practitioners in order to strengthen industry safety standards through collaboration with ArchSD. We believe leveraging automation, industrialisation and digitisation are integral to this aim. ArchSD is leading the industry in this field. A good example is the Fire Services Department Pak Shing Kok Married Quarters, Hong Kong's first high-rise concrete MiC building project. On-site construction and safety risks were substantially minimised by adopting this fast-track technology, driving higher productivity, safety and sustainability.

Apart from promoting best practices among consultants and contractors, ArchSD holds a broader ambition: promoting zero-carbon buildings to align with the Government's goal of carbon neutrality by 2050. Both CIC and ArchSD share this goal. ArchSD promoted application of the CIC Carbon Assessment Tool through incorporating this functionality in six projects to measure the embodied carbon in

construction materials and emissions from on-site processes. We believe this enables the industry to achieve sustainability and contributes to the target of carbon reduction with ArchSD leading by example.

We look forward to ArchSD leveraging its leading position to further promote best practices in the construction industry and to innovate in industrialisation and smart green built environment. Cross collaboration and engagement between the public and private sectors, and between generations, will guide our industry to an even higher level of excellence.

OUR RESPONSE

We are honoured to have had our projects recognised and rewarded by the CIC. We regard the CIC as a one of the most valuable partners that shares our commitment and goals to promote occupational health and safety and the wellbeing of workers, and the adoption of innovative construction and technology. Now more than ever, we consider innovation and collaboration as key to the sustainable development incorporated in our DAP. And we view partnership with industry-related organisations as a vital engagement strategy for achieving sustainable synergy.