

Project Final Report for Professional Services Advancement Support Scheme (“PASS”)

1. Project Details

- 1.1 Project Reference No.** : PS202005
- 1.2 Project Title** : Emerging Significant International Climate Change Trends and Mitigation Measures: Establishing and Strengthening Awareness, Understanding and Adoption by Hong Kong Professionals
- 1.3 Grantee** : Green Council
- 1.4 Collaborating Organisation(s)** : (i) Nil
- 1.5 Implementation Agent(s)** : (i) Alaya Consulting Limited
(ii) CDP Operations Ltd
(iii) ASEL consulting Company
(iv) The Hong Kong University of Science and Technology
- 1.6 Sponsoring Organisation(s)** : (i) Nil
- 1.7 Consultant(s)** : (i) Nil
- 1.8 Project Co-ordinator** : (Name) Ms Linda Ho
(Post title) Chief Executive Officer
- 1.9 Deputy Project Co-ordinator** : (Name) Mr. Felix Lam
(Post title) Head of Sustainability
- 1.10 Project Period (duration)** : from 10/5/2021 to 9/5/2023 (24 months)
- 1.11 Major Beneficiary Sector(s)** : Building and construction-related services and waste management & environmental consultancy services
- 1.12 Approved PASS Grant (HK\$)** : \$805,000

2. Project Implementation

2.1 Project Summary

(Please give a summary of the project including objectives, deliverables and target professional service sectors within 100 words.)

Objectives:

1. Provide Hong Kong Building and construction and waste management and environmental consultancy professionals with knowledge and skills on international trends and practice on mitigation of climate change; and
2. Increase the exchanges and co-operation of Hong Kong's professionals with their counterparts in Guangdong.

Deliverables:

4 seminars in related to the climate action
 2 rounds of 4 practical training workshops (8 workshops in total) in related to science-based target, "Task Force on Climate-related Financial Disclosure (TCFD)", carbon audit and life cycle thinking
 1 technical visit to Carbon Capture, Utilisation and Storage (CCUS) Platform in Mainland China

Target professional sectors:

Building and construction-related services and waste management & environmental consultancy services

2.2 Project Deliverables

(Please compare the actual results achieved with the agreed targets for each item.)

Agreed Targets		Actual Results Achieved (Please submit copies of all relevant supporting materials, e.g. proceedings, attendance records.)	
Date / Deliverables (with quantity)	Beneficiaries (estimated no. of local / non-local participants)	Date / Deliverables (with actual quantity)	Beneficiaries (actual no. of local / non-local participants)
01/09/2021 to 09/05/2023 Eight training workshops (consist of six 6-hours and two 3-hours training workshops)	240 Hong Kong professionals (including 120 building and construction-related professionals and 120 waste management & environmental consultancy professionals) (30 participants per workshop)	<u>Completed</u> Eight training workshops, consist of – four 6-hours online workshops conducted but split into 2 days: (1) 07&09/09/2021 (2) 24&25/02/2022 (3) 06&08/04/2022 (4) 11&12/05/2022 two 6-hours physical workshops conducted: (1) 16/12/2022 (2) 10/02/2023	1 904 Hong Kong professionals including 1 292 from building and construction-related services and 612 from waste management & environmental consultancy services (For Hong Kong Professionals: 793.3% of the target met)

Agreed Targets		Actual Results Achieved (Please submit copies of all relevant supporting materials, e.g. proceedings, attendance records.)	
Date / Deliverables (with quantity)	Beneficiaries (estimated no. of local / non-local participants)	Date / Deliverables (with actual quantity)	Beneficiaries (actual no. of local / non-local participants)
		two 3-hours online workshop conducted: (1) 23/11/2021 (2) 01/09/2022	
01/09/2021 to 09/05/2023 Four half-day seminars in Hong Kong	320 Hong Kong professionals (including 220 building and construction-related professionals and 100 waste management & environmental consultancy professionals) (80 participants per seminar)	<u>Completed</u> Four online seminars conducted: (1) 07/10/2021 (2) 22/02/2022 (3) 22/09/2022 (4) 23/02/2023	1 683 Hong Kong professionals including 1 256 from building and construction-related services and 427 from waste management & environmental consultancy services (For Hong Kong Professionals: 525.9% of the target met)
01/03/2022 to 30/04/2023 One 1-day technical visit	30 Hong Kong professionals (including 20 building and construction-related professionals and 10 waste management & environmental consultancy professionals)	<u>Completed</u> One 1-day technical visit conducted: 21/04/2023	30 Hong Kong professionals including 20 from building and construction-related services and 10 from waste management & environmental consultancy services (For Hong Kong Professionals: 100% of the target met)

2.3 Project Promotion and Dissemination

(Please compare the actual means used / outcomes with the agreed activities for each item.)

Agreed Activities	Actual Means Used / Outcomes (Please submit copies of all relevant supporting materials, e.g. posters, leaflets, invitation letters, publications, website printouts, dissemination e-mails, newsletters, feedback surveys and analysis.)
(a) For Project Promotion:	
To prepare for promotion materials To invite supporting organization and promote seminar via webpage, emails, professional associations e.g. Hong Kong Institution of Engineers (HKIE), etc.	Promotion materials and invitation emails were sent to engineering and environmental professional associations include Hong Kong Association of Energy Engineers, HKIE, BEAM Society Limited, Institution of Mechanical Engineers, Hong Kong Institute of Environmentalists, Energy Institute, Finnish Chamber of Commerce in Hong Kong etc.
To promote the events on Green Council's website	Promotion materials were posted on Green Council's website: https://www.greencouncil.org/trainings https://www.greencouncil.org/seminars
(b) For Dissemination of Project Deliverables:	
To upload all workshop training materials, seminar video recordings and seminar proceedings and to Green Council's website.	All training materials and video recordings of training workshops and seminars are uploaded on Green Council's website: https://www.greencouncil.org/trainings https://www.greencouncil.org/seminars
To conduct a feedback survey at the end of each workshop, seminar, and the technical visit to assess the effectiveness of the events.	Surveys have been distributed and collected accordingly.
To notify all parties involved in the seminars and workshops	Thank you emails with training materials and certificate were sent to all parties.

3. Achievements and Grantee's Evaluation of the Project

3.1 Number of participants and eligible beneficiaries

Project Deliverables	Eligible Number of Beneficiaries (if known)
(i) Training Workshop 1 (Establish greenhouse gas reduction targets: Science-based approach)	<i>Building and construction-related: 366</i>
	<i>Waste management and environmental consultancy: 99</i>

(ii) Training Workshop 2 (Implementation of “Task Force on Climate-related Financial Disclosure” (TCFD) recommendation)	<i>Building and construction-related: 161</i>
	<i>Waste management and environmental consultancy: 68</i>
(iii) Training Workshop 3 (Carbon Audit in Practice (Value-chain focus))	<i>Building and construction-related: 21</i>
	<i>Waste management and environmental consultancy: 43</i>
(iv) Training Workshop 4 (Moving towards net zero? – How to quantify GHGs emission and other environmental impacts of products by adopting a life-cycle approach)	<i>Building and construction-related: 124</i>
	<i>Waste management and environmental consultancy: 132</i>
(v) Training Workshop 5 (Establish greenhouse gas reduction targets: Science-based approach)	<i>Building and construction-related: 391</i>
	<i>Waste management and environmental consultancy: 178</i>
(vi) Training Workshop 6 (Implementation of “Task Force on Climate-related Financial Disclosure” (TCFD) recommendation)	<i>Building and construction-related: 187</i>
	<i>Waste management and environmental consultancy: 66</i>
(vii) Training Workshop 7 (Carbon Audit in Practice (Value-chain focus))	<i>Building and construction-related: 20</i>
	<i>Waste management and environmental consultancy: 12</i>
(viii) Training Workshop 8 (Moving towards net zero? – How to quantify GHGs emission and other environmental impacts of products by adopting a life-cycle approach)	<i>Building and construction-related: 22</i>
	<i>Waste management and environmental consultancy: 14</i>
(ix) Seminar 1 (Climate Change Risk Issues: How does it affect business?)	<i>Building and construction-related: 197</i>
	<i>Waste management and environmental consultancy: 61</i>
(x) Seminar 2 (Climate Change Mitigation: What can you do right now?)	<i>Building and construction-related: 431</i>
	<i>Waste management and environmental consultancy: 159</i>
(xi) Seminar 3 (Climate Change Mitigation: Decarbonisation Technology and Innovation - What To Know and Do About it)	<i>Building and construction-related: 391</i>
	<i>Waste management and environmental consultancy: 110</i>

(xii) Seminar 4 (Building and Construction - What are the missing hotspots?)	<i>Building and construction-related: 237</i>
	<i>Waste management and environmental consultancy: 97</i>
(xiii) Technical Visit (China Resources Power Group Haifeng Plant Technical Visit (Carbon Capture, Utilisation and Storage -- CCUS))	<i>Building and construction-related: 20</i>
	<i>Waste management and environmental consultancy: 10</i>

3.2 Feedback from participants / users / professional services sectors

Based on the feedback survey collected after events, we summarized below.

In eight training workshops, 51% of the responders rated “excellent” and 45% rated “satisfactory” and none of the responder rated “not satisfied”.

Some of the written comments were “very informative”, “like the example and experience shared by the speaker”, “very concise information and relevant model demonstration to enable easy understanding of the concept”, “practical knowledge and experience sharing”, “the content is clear and useful, with interactive approach to audiences”, “case study is very informative and practical”, “webinar is very convenient and easy to attend at everywhere”, “used a lot of process flow diagrams that caused the presentation to become more attractive”, “like the interaction and discussion with speaker and other professionals”, “comprehensive information on the Scope 3 emission”, “detailed explanation on SBT strategy and consideration”, “clear presentation of how to quantify GHGs emission”, “like the experience shared by the speakers, which is valuable for the environmental management system in own workplace”, “provide the intensive knowledge of TCFD”, etc.

In four seminars, 42% of responders rated “excellent”, 56% rated “satisfactory” and none of the responder rated “not satisfied”.

Some of the written comments were “broad variety of speakers”, “the topics are interesting and attractive”, “like the introduction of the concept of sustainability and mitigation for climate change in construction industry”, “the presentation of each speaker is informative and provide a state of art of what the industry doing for mitigate the climate change”, “very comprehensive and informative content”, “it is a good platform for companies to show the effort made on reducing embodied carbon.”, “webinar is a convenient way to join sharing or seminar whatever where you are”, “the webinar was very impressive and informative in sharing the speakers’ experiences in the field of decarbonation technologies and innovation”, etc.

Regarding the technical visit, 68% of responders rated “excellent”, 32% rated “satisfactory” and none of the responder rated “not satisfied”.

Some of the written comments were “well organised”, “like the innovative idea in addition to power generation”, “very interesting technology”, “understand how to apply CCUS to help power plants reduce carbon emissions”, “smooth arrangement” etc.

3.3 Dissemination of project deliverables to relevant professionals

After the events, Green Council informed all participants and the supporting organizations that all training workshop materials and seminar presentation (including PowerPoint and video) have been uploaded on Green Council's website to share to all member of professional associations.

3.4 PASS and other objectives reached *(May choose more than one)*

- ☒ Increasing the exchanges and co-operation of Hong Kong's professional services with their counterparts in external markets
- ☐ Promoting relevant publicity activities
- ☒ Enhancing the standards and external competitiveness of Hong Kong's professional services
- ☐ Others

Please elaborate on how the objective(s) was/were met:

Objective 1:

Increase implementation of proven environmental performance applications and operations through experience sharing, encouragement and guidance for targeted professionals – "lead by example".

Green Council has organised two rounds of four practical training workshops (eight workshops in total). The instructors share their experience, guidance and application on setting science-based greenhouse gas (GHGs) emission targets, implementing the recommendations of "TCFD, conducting value chain carbon audit in practice with GHG Protocol, and analysing GHGs emission and environmental impacts of products by adopting the life-cycle thinking approach.

Objective 2:

Enhance knowledge and capability regarding emerging significant international climate change trends and mitigation measures.

Green Council has organised four seminars invited 21 speakers representing different sectors to enhance the knowledge and capability of building and construction-related, waste management and environmental consultancy services beneficiaries on risks of climate change on business, corporate strategies in mitigating climate change, latest product technology and innovation for reducing GHGs emission, and embodied carbon footprint in building and construction materials.

Also, we organised a technical visit to CCUS Platform in Mainland China. The China Resources Power Group Haifeng Plant, which is the Asia's first international carbon capture technology platform based on coal-fired power plants. The visit updated the knowledge of adopting CCUS technology in carbon reduction.

After the four seminars, eight training workshops and the technical visit, we also received a lot of satisfactory feedback from participants mentioned above.

Therefore, we could conclude we fulfilled our objectives.

3.5 Overall achievements of the project

This project completed successfully and recorded more than 3 600 attendees from the building and construction-related services and environmental & management consultancy services. The high attendance records and satisfactory feedback demonstrated the contents and deliverables of this project has met the requirement and professional development needs. The training workshops, seminars and technical visit in the project have successfully helped to build capacity of Hong Kong's environmental and engineering professionals and enhance their knowledge and skills on international trends and practice on mitigation of climate change.

The Project Final Report is prepared by the Grantee.