

# Annual Report 週年報告

2021 - 2022

**Engineers Without Borders (Hong Kong) Limited**  
**無國界工程師(香港)有限公司**

a charity registered in Hong Kong  
在香港註冊的獨立及慈善組織  
(IRD File No. 91/9757)

7 December 2022  
2022年12月7日

founded in 2008 &  
registered under  
Society Ordinance

limited company by  
guarantee since 2015

member organization of the  
Hong Kong Council of Social  
Services (since 2020)



an independent,  
non-political and  
non-religious organization

approved charitable  
institution in  
Hong Kong  
(IRD File No. 91/9757)  
(since 2008)

Engineers  
Without Borders  
Hong Kong

member organization of  
EWB-International  
(since 2008)



non-governmental  
organization (NGO)

volunteer-based  
organization

members & volunteers  
from diversified  
backgrounds

## Our Missions

*(since 2012)*

To **accelerate betterment in life of disadvantaged communities** and **promote sustainable development** through the empowerment of engineering means.

To enhance the capacity of Hong Kong's **professionals and the generations to come** contributing to the communities in need.

藉工程方法, 加快改善弱勢社群的生活, 並推動可持續發展。

培育香港新一代的專業人士, 回饋社會, 協助有需要的社群。

### Our Objectives

**Empower**  
disadvantaged  
communities by  
engineering solutions

**Partnership** with  
other organizations,  
education institutions  
and private sector

**Support** charitable  
organizations / NGOs  
with similar objectives

**Opportunities**  
and Capacity building  
for volunteers and  
young persons

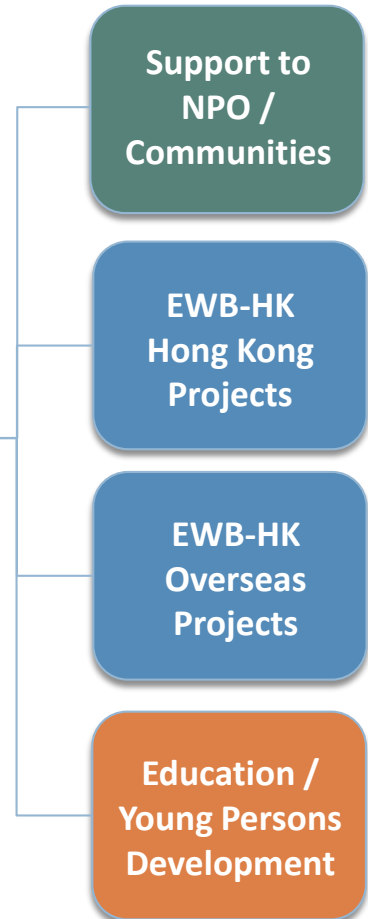
**Promote**  
sustainable  
development

## CORE BUSINESS

**Pro bono  
engineers**  
*who have  
passion to serve*



**Partnership**  
*with other organizations,  
education institutions  
and private sector*





## Board

The Board of Directors is the highest decision-making body of EWB-HK. The daily operation of this organization, as well as the planning, management, execution and evaluation of our activities and projects, are responsible by our Committees. We aim to enhance the quality of organizational management and safety management, as well as to strengthen the capacity of our volunteers through closer communication amongst our volunteers and pro bono staff of the Board of Directors and Committees.

### 2021-23 BOARD OF DIRECTORS (VOLUNTEER BASIS)

#### CHAIRMAN

Ir Dr Edward CW Chan

#### DIRECTOR

Mr Brian Fung

Ir George Cheng

Mr Raymond Lopinski

Mr Raymond Wan

#### SECRETARY

Mr Lee Siu Hoi

#### TREASURER

Mr Janos Choy

*Engineers Without Borders (Hong Kong) Limited (EWB-HK) is an independent and charitable organization in Hong Kong. Founded in 2008, it is a volunteer-based organization, supported by engineers, professionals from different disciplines, non-technical and student volunteers. EWB-HK is now a member organization of EWB-International; an approved charitable institution in Hong Kong, which is exempt from tax under Section 88 of the Inland Revenue Ordinance (IRD File No. 91/9757).*

「無國界工程師(香港)有限公司」(EWB-HK)是一個在本港註冊的獨立及慈善組織。本組織成立於2008年，由不同類別工程師及相關專業人士組成，並有一群來自不同界別的朋友及學生協助推動各項義務工作。EWB-HK現時為「國際無國界工程師」會員機構。本會為香港稅務條例第八十八條認可之慈善機構(稅務局檔案號91/9757)。

## Executive Committee

Apart from the Members and Board, EWB-HK consists of and supported by working Committees.

The Committees are made up of Members and Volunteers. It is a requirement that office bearers of Committees should be Members.

### PROJECTS COMMITTEE

**Sam HM Chan, CEng**

Chairman, Projects Committee

### SECRETARIAT

**Ms Camise Wong**

Communication Manager

**Ms Samantha Ho**

Secretariat Executive

### LIFE ADVISOR

**Ms Susanna Tam**

Former Chairman

Engineers Without Borders (Hong Kong) 2010-2017

### HONORARY ADVISOR

**Prof. Lee Chack-fan, GBS, JP**

- President, Chu Hai College of Higher Education
- Former President, Hong Kong Academic of Engineering Science
- Former Vice-President, The University of Hong Kong
- Former Director, HKU SPACE

**Prof. Stephen S.Y. Lau**

- Honorary Professor, The University of Hong Kong
- Former Professor, Department of Architecture, National University of Singapore
- Former Associate Dean, Faculty of Architecture, The University of Hong Kong

### LEGAL ADVISOR

**Ms Kitty Ng**

### ADVISOR (VOLUNTEER TRAINING)

**Mr Raymond C.W. Yeung**

- Manager (Culture & Arts Services), Hong Kong Playground Association

## Education

EWB Global Citizenship Programme

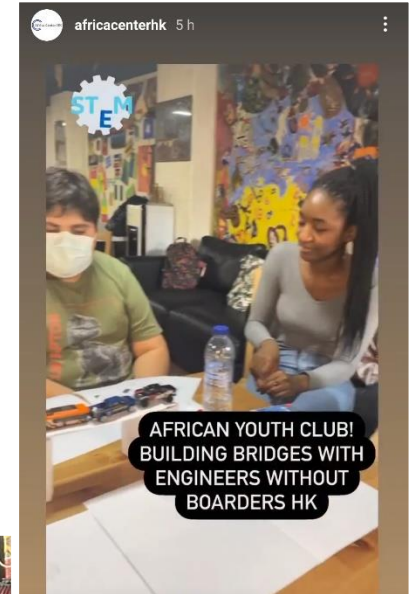
STEAM Playground

Design Thinking

## Education – STEAM Playground

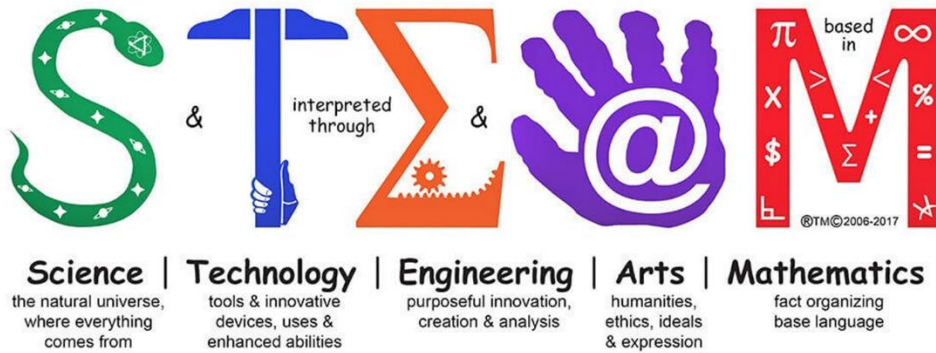


An educational program targeted to 8-10 year old low-income students in Hong Kong. Monthly classes hosted at the Africa Center and the YMCA Siu Sai Wan.





## Education – STEAM Playground



## Education – STEAM playground at YWCA Chai Wan Center





## Education – Volunteer Survey (Responding to our Volunteers)

Tremendous response of **54 people** shows a strong desire to participate in EWB. Good mix of members/ volunteers and GCP Alumni

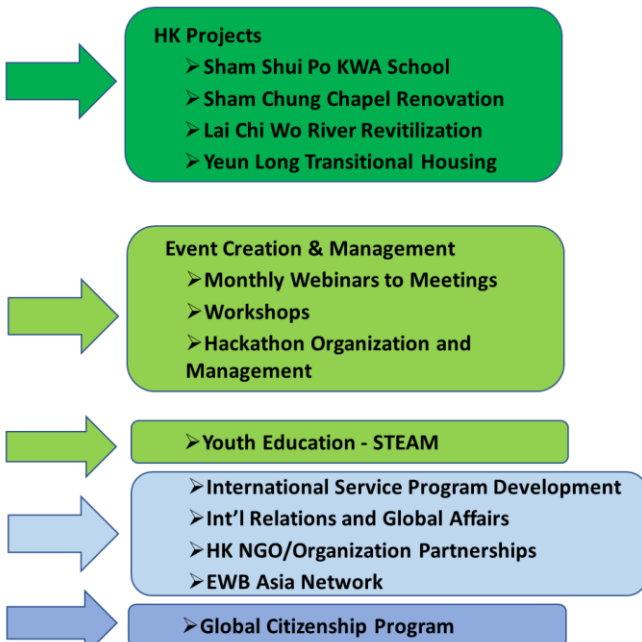
WhatsApp and Email are the favourite platforms of communication.  
**Should develop Instagram and LinkedIn accounts**  
**Clean Up Facebook Accts**

Urban Sustainability and Climate Change are favoured topics of interest. However there is a **need to enhance our engagement with other HK organizations on sustainability**. This also shows a strong diversity and interest in almost all areas providing many topics and opportunities of engagement. There is a small but strong group wanting to help with Internal EWB operations.

### WHAT YOU WANT.....

140	Hands-On Service
129	Consulting
132	Workshops SDG's
17p	Housing and Community Development
29p	Urban Sustainability
124	Webinar SDG's
123	Hackathon
122	Workshop Skills Training
119	Webinar Skills Training
114	Youth Education-STEM
13p	Network Asia
20p	Network International Connect
31p	Network HK Orgs
16p	Global Citizenship Program

### EWB OPPORTUNITIES



The **greatest desire** is for **Hands-On and Consulting activities** that apply our technical knowledge directly to a beneficiary.

Almost as strong is the **desire to learn about, share, through Webinars and Workshops on SDG issues**.

There is also a **desire to improve skills and abilities** to work in NGO's and business (**Soft Skills**).

**Hackathons** have a popular pull. There is interest in **Liaison with Government and Industry organizations** and companies. This is a **new element** which can be explored. **This would expand our sphere of influence**.

It is good to see a solid base of volunteers willing to work on Internal EWB operations.

**Over 40 people want to be Leaders or Organizers**

## Education – Design Thinking EWB



**EWB-HK**  
**Designing Volunteering For Impact**

Organizer: 無國界工程師  
Engineers  
Without Borders  
hongkong

**VOLUNTEERS BUILDING A VOLUNTEER PROGRAM**

- Collaborating as teams to Design EWB-HK's Program...
- Learning Creative Problem Solving and Leadership Skills ...
- Beneficial to your Personal Growth and Future Career Development

**DESIGN THINKING**  
TO IDEATE AND PROTOTYPE AS A TEAM

**CHALLENGES:**

- DATA AND SOCIAL MEDIA MANAGEMENT
- WAYS OF WORKING AND LEADERSHIP
- MATCHING SKILLS WITH OPPORTUNITIES

**PROFESSIONAL FACILITATOR:**  
CALVIN LO  
Advisor to AIESEC-HK and Strategic Service Design Consultant

Follow-up to our engagement survey to deliver impactful outcomes to volunteers and society

How do we make an impact?

At EWB-HK we started our Volunteers Design for Impact engagement program earlier this year with the support of @Calvin Lo at MAKE Studios – HK under the Design for Impact initiative, and co-facilitator by Social Impact Facilitator @Raine Wong.

Since May, we have conducted 10 ideation sessions in-person and virtual, design research interviews with 7 career engineers and 8 students studying engineering.

By applying the Design Thinking mindset and tools, we are able to better understand our volunteers needs and aspirations, informing the design of purposeful and impactful engagements for our upcoming events and programs.



**LET'S BUILD EWB TOGETHER  
AND MAKE AN IMPACT**



## Education – Design Thinking EWB

Our Volunteer Design Team has recently expanded from 5 core members to 11, focusing on designing our 1st All-Inclusive event in 4 years, as well as enhancing the impact of the Global Citizen Programme (GCP) for 2023. We look forward to more volunteers joining us on this design-led journey for both personal growth and positive impact for our communities.

*'Adopting a user-centric design approach, we not only learn the process but also experience its strength. It empowers the volunteers to engage others, participate as a team and experience the journey to design new inclusive activities for our volunteers... STAY TUNED.'*

Samuel, EWB Leader



## EWB Global Citizenship Program 2022



The EWB Global Citizenship Program 2022 had 23 participants as we expanded our recruitment to 7 Universities. The international Community Service to Myanmar was cancelled although we did provide ZOOM classes on STEM topics to children in Myanmar with My Place International.

Along with our partners at ImpactHK, Crossroads Foundation, we added local partner Bamboo Generations. This year we continued the support of corporations with JLL Ltd offering to organize and hold 3 of our workshops and Sygna providing a generous donation.

### Program Content

- Combined ZOOM and Face-Face Workshops (22.5 Hrs)
- 4 Local Community Service Excursions (24 Hrs)
- STEM Education ZOOM classes for My Place Children in Myanmar (7 Classes @ 2 hrs each)
- Award Ceremony

### Diversity

**23 Students**

**8 Females / 15 Males**

**6 Universities**

**4 Countries/SAR**

**9 Engineering  
Disciplines**

**2 Science Disciplines**

**1 Liberal Arts; 1 Business**



## Global Citizenship Program 2022 – Workshop Learning

### Stage 1: Build Up Stage (Workshop Learning)

#### 1. Orientation, Introduction, Overview

- A. Self Introduction; Program Overview
- B. Who are you? Impact of Personalities / Lego Learning
- C. Desktop Research Topics

#### 2. Local Issues – HK Poverty and Global Inequality

#### 3. UN SDG Introduction and HK Sustainability

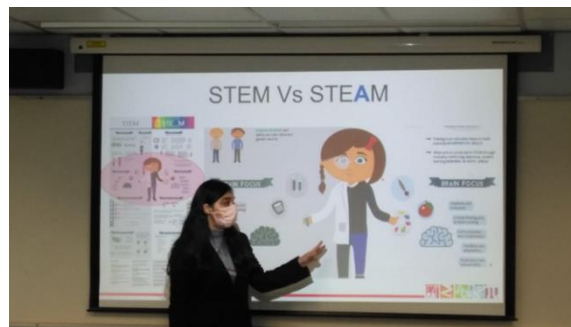
#### 4. STEM Education and My Place Introduction

#### 5. Desktop Research Projects

#### 6. Leadership



*“Learn to prepare for oneself and adapt to different environments and sometimes surprises even if it was chaotic order of work. learn to prepare for oneself and adapt to different environments and sometimes surprises even if it was chaotic order of work.”*



# Global Citizenship Program 2022 – Exploration / Service

## Stage 2: Experiential Learning Stage -Exploration

(Local community survey / social services Session in Hong Kong)

1. Bamboo Generations Bamboo Construction
  2. ImpactHK – Homeless
  3. Crossroads International
  4. EcoCity – Duddell St Relimagined
- International – STEM Classes, Myanmar

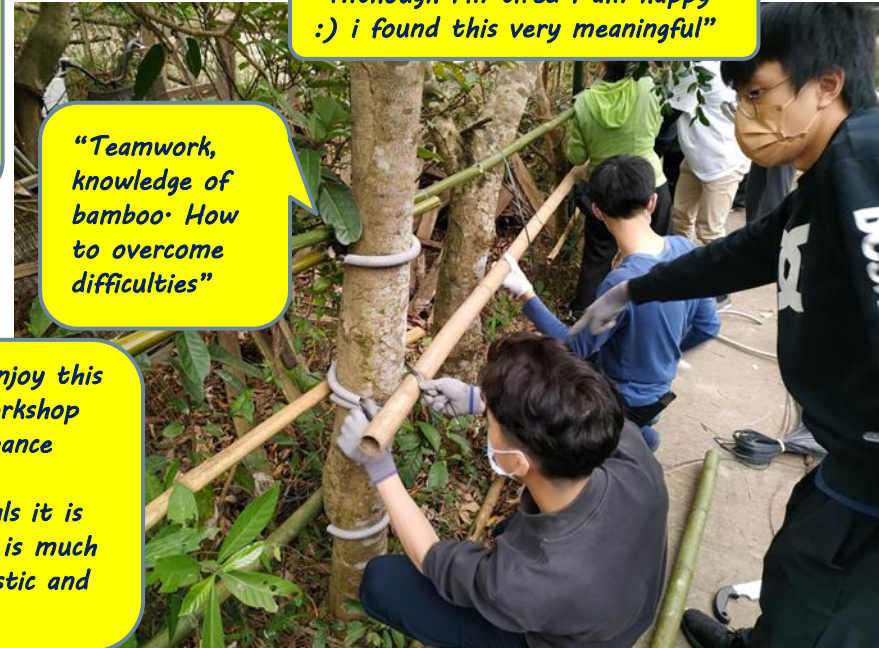
(International Community Service Trip was cancelled due to Covid-19 restrictions)



*'The event was eye opening, and the work of ImpactHK is truly inspiring'*



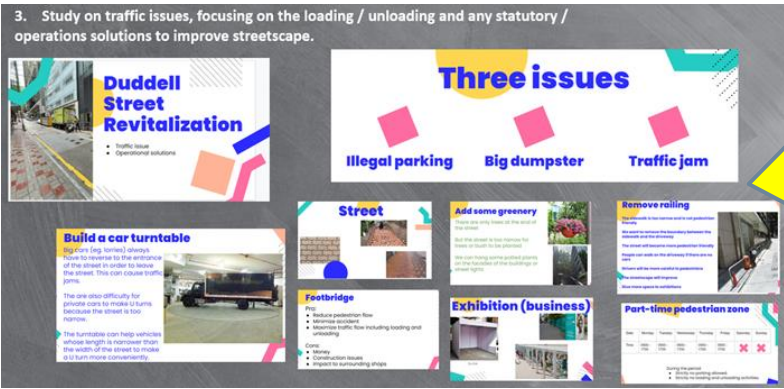
*"Although I'm tired I am happy :) i found this very meaningful"*



*"Teamwork, knowledge of bamboo. How to overcome difficulties"*

*"I really enjoy this kind of workshop to have chance meet the professionals it is because it is much more realistic and practical"*

3. Study on traffic issues, focusing on the loading / unloading and any statutory / operations solutions to improve streetscape.



**Duddell Street Revitalization**

- Traffic issue
- Operational solutions

**Three issues**

- Illegal parking
- Big dumpster
- Traffic jam

**Build a car turntable**

Big cars (eg. lorries) always have to travel to the end of the street in order to leave the street. This can cause traffic jams.

The car turntable can help vehicles whose length is narrower than the width of the street turntable to turn more conveniently.

**Footbridge**

- Reduce pedestrian flow
- Reduce pedestrian flow
- Reduce pedestrian flow
- Reduce pedestrian flow

**Add some greenery**

Greenery can help reduce the amount of heat absorbed by the street. This can help reduce the amount of heat absorbed by the street.

**Exhibition (business)**

Exhibitions can help reduce the amount of heat absorbed by the street. This can help reduce the amount of heat absorbed by the street.

**Remove railing**

Removing railings can help reduce the amount of heat absorbed by the street. This can help reduce the amount of heat absorbed by the street.

**Part-time pedestrian zone**

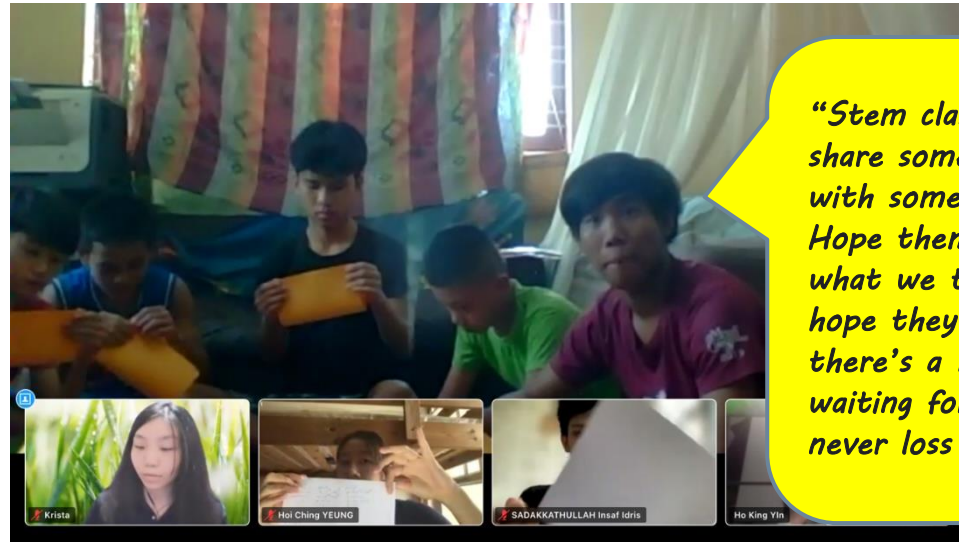
Part-time pedestrian zones can help reduce the amount of heat absorbed by the street. This can help reduce the amount of heat absorbed by the street.



## Global Citizenship Program 2022 – Myanmar STEAM Learning

### STEAM CLASS TOPICS:

TEAM A	The Body
TEAM B	Weather
TEAM C1	Biology-Cell Photosynthesis
TEAM C2	Civil Engineering
TEAM D	Hydro Electric Power
TEAM E	Mosquito
TEAM F	Basic Physics



*“Stem class, get to share some knowledge with some youngsters. Hope them remember what we taught and hope they know there’s a big world waiting for them, never loss hope.”*



*“The boys ... have enjoyed the lessons and found the interactions with the tutors interesting and informative. They have all benefited and gained knowledge from the classes to various degrees... Sandra (My Place)*



## Global Citizenship Program 2022 – Myanmar Cultural Exchange



*"Built up relationship with kids in Myanmar!"*



*"Love the kids, the culture, the activities!"*



*Thank you-  
Our kids had a fantastic time  
...Michael  
(My Place)*



*"The amount of ingredients need to adjust a little bit lol, i made 50 Mote Lone Yay Paw which too much for me lol"*



## Global Citizenship Program 2022 – Award Ceremony





## Global Citizenship Program 2022 - Participant Comments

"I was extremely interested in the ability to make change begin with an idea and EWB was very receptive towards it."

"The programme is inspiring and providing different point of views with the guests joining to share their observation, learning and experience"

"The staff and instructors are knowledgeable and I learnt a lot from them. I love the visits and they have truly broaden my horizons. These community services are meaningful and it also brought happiness to me. Thank you so much !"

"It is attractive and motivative for the EWB participants meeting with real professionals to learn real experience from them(active) rather than just talk ppt topic (passive)"

"It is a great program that give me a insight of the local and global issues"

"The program is indeed very helpful to my personal growth as it provides a lot of knowledge that I didn't usually encounter in the past and provide precious opportunity to use those ideas to analyse or solve problems."

"The volunteer activities gave me great opportunities to serve the community, and the experiences were very great"

"It is really good and impressive to have more chance to work with JLL staff or mentor. I think this also will attract students to join actively and enjoy EWB more because it can give them real working experience."

"This program helped to look in a different perspective in global and local context."

Humanitarian  
Leadership  
Learn It  
Live It  
Become It

"First of all, in terms of soft skills training, the Program provided great workshop for us to improve communication skills, leadership, teamwork, design thinking, and problem analysis, and I believe all of them would make large contribution on my personal development. Second, there were different volunteering activities which allowed us to serve the community, which encourage me to know more about local issues and global issues, and to act more in the future , I enjoyed the volunteering experiences so much. "





## Global Citizenship Program 2022 - Partnership

Thank you for all your support;  
you are the key to the success of the Global Citizenship Program 2022



**EWB Global  
Citizenship Program**  
is organized by  
Engineers Without  
Borders – Hong Kong  
and supported by our  
Program Partners,  
Supporters and  
Organizations

### Supporting Organizations:



# Projects

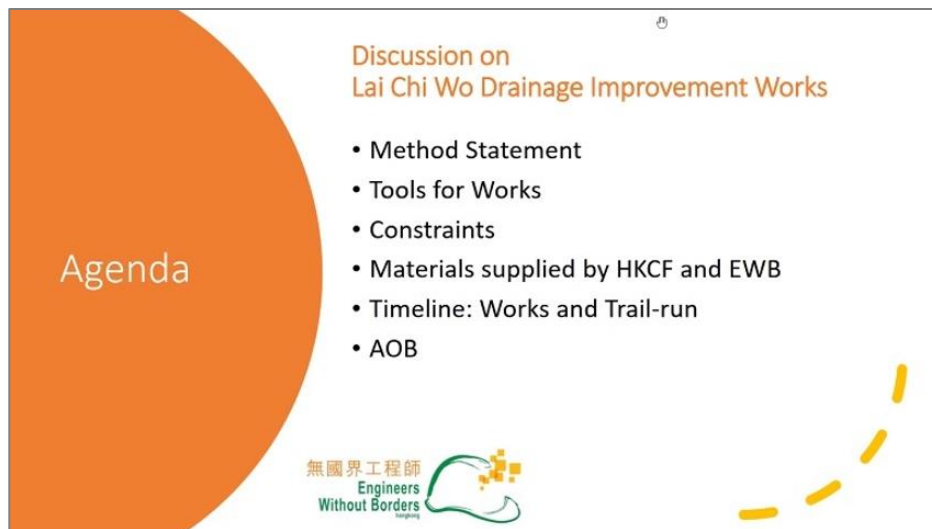
## Hong Kong & Overseas

## Projects – Lai Chi Wo Revitalization Works

### Preparation works:

1. Meeting with HKU and HK Countryside Foundation on river ecology topics, May 2022
2. Material, manpower and logistic plans for river improvement works
3. River Works Trial in early July 2022

### River improvement works: Q3, Q4 2022



Agenda

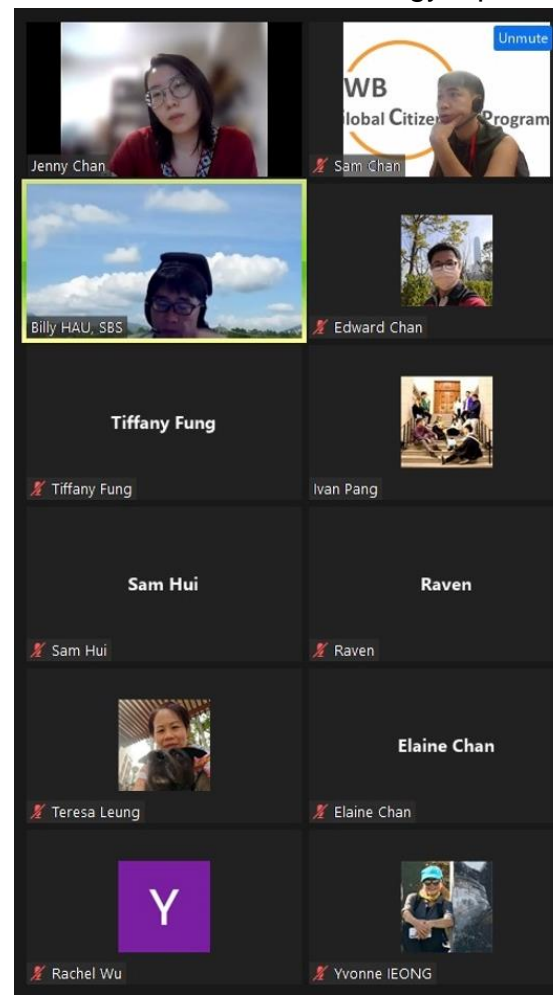
Discussion on  
Lai Chi Wo Drainage Improvement Works

- Method Statement
- Tools for Works
- Constraints
- Materials supplied by HKCF and EWB
- Timeline: Works and Trail-run
- AOB

無國界工程師  
Engineers  
Without Borders  
hongkong



### Meeting with HKU and HK Countryside Foundation on river ecology topics



Meeting participants:

- Jenny Chan
- Sam Chan
- Billy HAU, SBS
- Edward Chan
- Tiffany Fung
- Ivan Pang
- Sam Hui
- Raven
- Teresa Leung
- Elaine Chan
- Rachel Wu
- Yvonne LEONG



## Projects – Lai Chi Wo Revitalization Works

Key Plan of Lai Chi Wo River



Description of Existing Condition during visit



Location 3  
 Sediment accumulated along river during flooding and river bed behind the dam become more shallow. River Cleansing is necessary for river revitalization



Location between 3 and 4  
 Fallen Tree obstruction along River is observed. Method statement of tree obstruction removal to be further developed in detailed design stage after HKCF consultation to different parties

### Key Constraints and Mitigation

1. Aquatic Habitat Life is environmentally important and become biodiversity of lai chi wo, more mitigation measures to minimize the impact to habitat will be further developed
2. Flooding during wet season, therefore, works will only be conducted in dry season
3. Location 3 is the main walkway of visitors to Lai Chi Wo, public relations communication and minimum 800mm walkway crossing river before works is required





## Projects – Lai Chi Wo Revitalization Works





## Projects – Lai Chi Wo Revitalization Works

River Improvement  
Works - Service trip 1  
September 2022





## Projects – Lai Chi Wo Revitalization Works

### Lai Chi Wo River Improvement works

18 September 2022





## Projects – Lai Chi Wo Revitalization Works

### 荔枝窩清河道活動:

馬料水2號無蓋碼頭

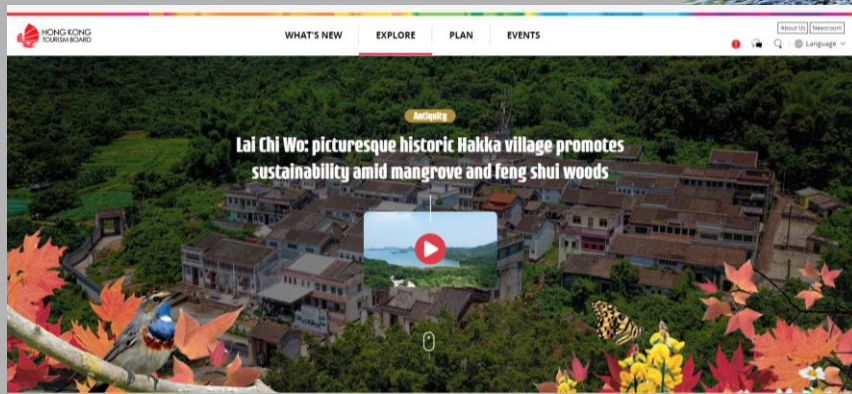
上船船費：來回\$90(自備, 可用八達通)

食物：帶面包及水, 有得fill 回程：5-5:15pm回到馬料水碼頭

其他：1) 預左完活動會濕身, 自備毛巾衫褲如需要在廁所換衫

2) 會著農夫water boot 所以自備長socks

3) 由於船期到達服務點10:50am, 3:00pm 回程排隊上船, 實際義務工作時好短, 不會在荔枝窩村午飯只能自備portable food like bread

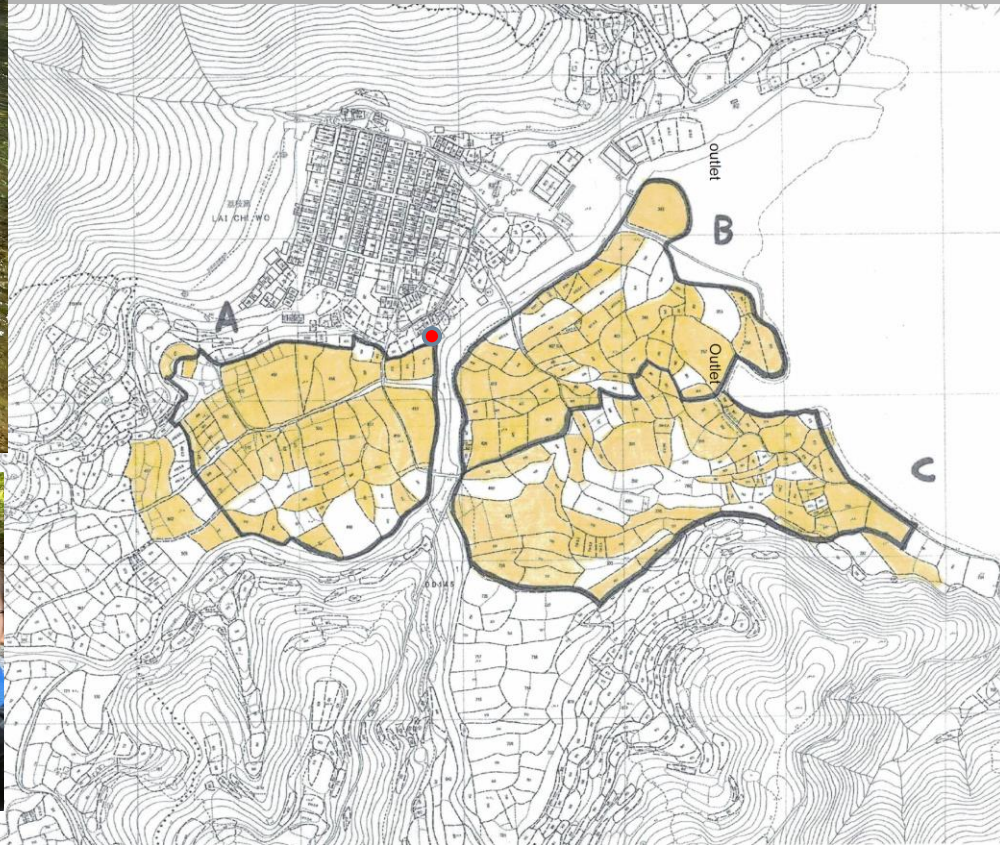


Lai Chi Wo River  
Improvement works  
9 Oct 2022



## Projects – Lai Chi Wo Revitalization Works

Lai Chi Wo River  
Improvement works  
30 Oct 2022





## Projects – Lai Chi Wo Revitalization Works

### Lai Chi Wo River Improvement works

5 Nov 2022



Wong Kam Sing

1小時 · 🌐

【荔梅穿村行 緣路有心人】



又偶遇 EWB Engineers Without Borders Hong Kong 香港無國界工程師 十餘青年，他們今年多次義務在荔枝窩清理河道，有助紓緩村中復耕農田遭洪水浸襲之風險。

昨午，是今年他們年輕工程師聯同中學生義工最後的一次荔枝窩清河行動，有緣山沓見。

## Projects – Sham Chung Revitalization Service

Diocesan Working Committee for “Following Thy Way” (FTW) under Catholic Diocese of Hong Kong is carrying out the renovation for Epiphany of Our Lord Chapel cum Kung Man School, local landmark and heritage of Sham Chung in northern Sai Kung, to revitalize the local community with history and new life, to let visitor enjoy the nature and religious history.

EWB-HK acting as engineering supporter on this project has conducted field investigation in December 2021 to understand local conditions.

Some revitalization works of access provision along river and chapel repair will be planned with FTW in 2022.





## Projects – Sham Chung Revitalization Service

[Countryside Conservation and Revitalization]

A team of volunteers from Engineers Without Borders Hong Kong, conducted a site visit for a tentative countryside revitalising project in Sai Kung West. The objective is to revitalise the built environment and natural ecology of villages; conserve the heritage and culture.

Thanks to the project planning team leaders and volunteers. Much appreciated! We are looking for more like-minded volunteers to join us.





## Projects – Primary School Revitalization Service

### Shamshuipo Kaifong Welfare Association Primary School 深水埔街坊會小學校

Partnering with **Sowers Action**, we are supporting the tentative improvement works in a local primary school, which is serving diversified communities. Idea exchange aiming at value-creation, enhancing the learning atmosphere and benefit to students are the primary objectives of the kick-off meeting with student principals and teachers, our partners and EWB-HK's project core team.

We are looking for more volunteers to join us.



## Projects – Primary School Revitalization Service

### Service scope of EWB Hong Kong

1. Advisor - Advisory (GBP, structure, statutory review), Q&A
2. Advisory (design concept – subject to availability of supporting volunteers)
3. Design review, procurement process review, construction progress and quality review
4. User (students) engagement (activities) – e.g. wall painting





## Projects – Primary School Revitalization Service

### G/F External Wall Refurbishment

External wall surface cleansing and improvement works

- general cleaning the loose material and steel rust,
- apply new painting/ meaningful picture painting/ DIY painting with students/ volunteers)

Fundraising in progress

Sourcing of designer in progress



Reference photo



## Projects – Transitional Housing

Support the partner NPO in fund seeking for community services in a Transition Housing site, Yuen Long





# International Network Asia Network

## EWB International Network

### EWB International Strategy Workshop

June – August 2022

#### Why now?

Humanity is critically challenged by climate change, ecosystem degradation and continued social inequality.

There is an important leadership role for engineering expertise to play in tackling the challenges faced by the global community.

The global Engineers Without Borders movement has the potential to step up and deliver this leadership. We are a unique voice that has significant value to bring to the world.

Now, there is an opportunity to shape the future of the global Engineers Without Borders movement.

Together, we can deliver greater impact and benefit to the world.

## EWB International Network

### EWB International Strategy Workshop

June – August 2022

#### Our movement today

There are 26+ national Engineers Without Borders organisations from around the world that identify as members of the global movement supported by Engineers Without Borders International, and there are an alleged 60+ organisations overall.

That's a huge, influential foundation to build from.

Data recently collected from 24 national organisations highlights:

Those 24 organisations operate in more than 55 different countries across the Americas, Africa, Europe, Middle East, and Asia Pacific delivering a diverse array of programmes.

**Together, our 200 staff and 10,000 volunteers impact more than 4 million people.**

## EWB International Network

### EWB International Strategy Workshop

June – August 2022

#### Our potential

Coordinated international movement directed towards significant global impact, offering:

- A strong, unified global voice
- Globally coordinated, high impact programming
- Mobilisation of upskilled engineers around the world



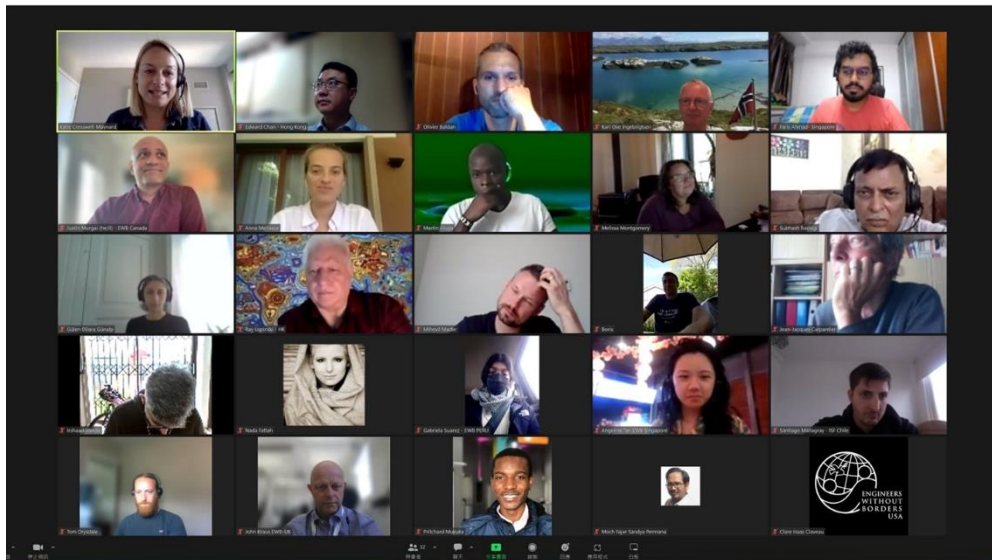


# EWB International Network

## EWB International Strategy Workshop

14, 15 and 28, 29 June 2022

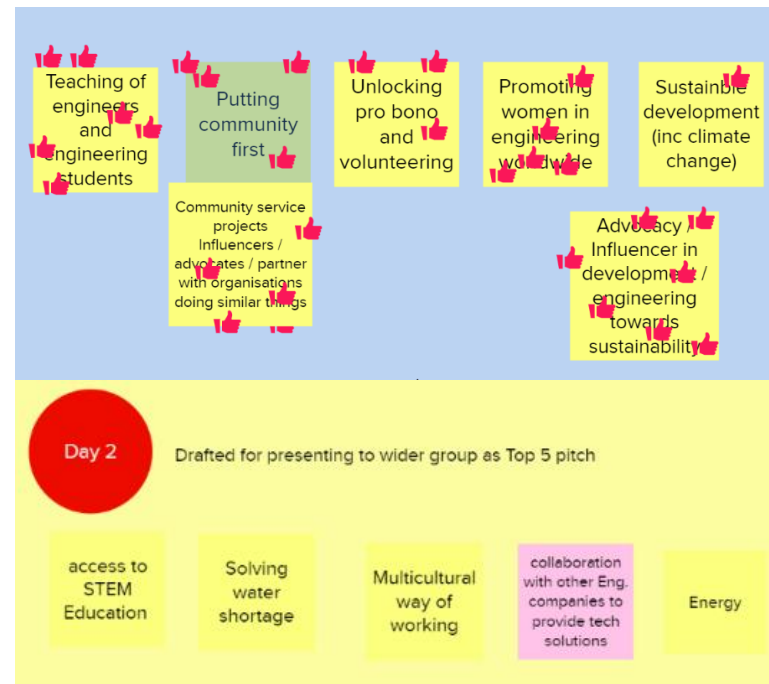
EWB International's EWB Strategy Workshop Session 1A (2-3hr workshops) (Session 2 in July; Questionnaire in August) with the presence of **EWBs from Belgium, Canada, Chile, Hong Kong, India, Indonesia, Kosovo, Malaysia, Netherlands, Peru, Singapore, Uganda, Yemen, Guatemala, UK, USA, Zambia** (17 locations). In this session, we have two directors, Edward and Ray from HK, and discussed the tentative 10-year plan and EWB Movement.



What can we achieve by 2032?

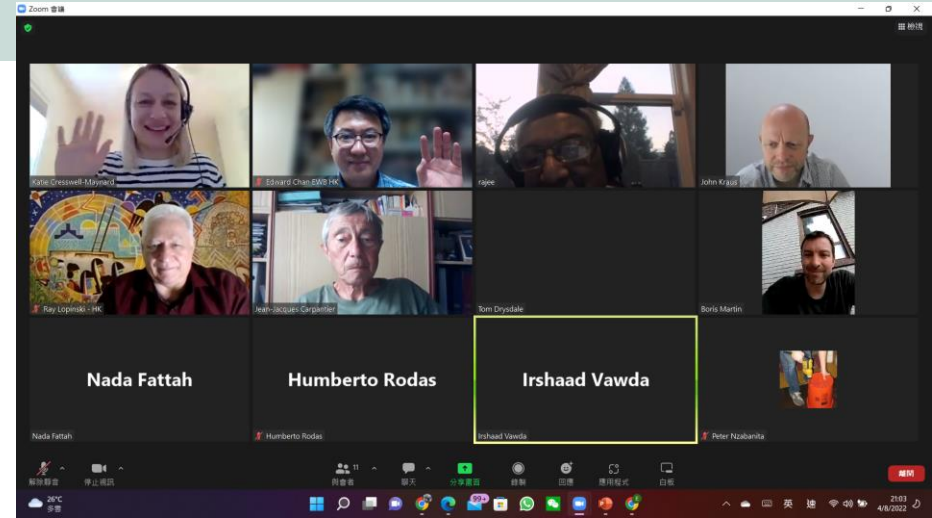
- Unique Strengths
- Priorities 2022-2025
- Core Values & Principles
- Impact vs Strengths

### Top Focus Areas



## EWB International Network

### EWB International Strategy Workshop June – August 2022

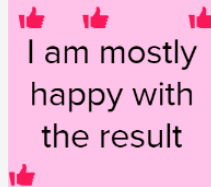


### Summary of Key Values/Principles

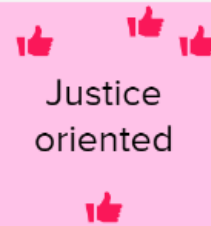
I am happy  
with the  
result



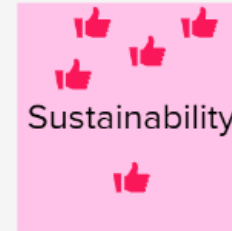
I am mostly  
happy with  
the result



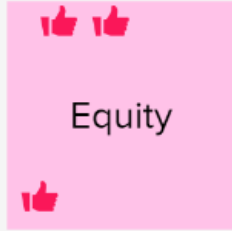
Justice  
oriented



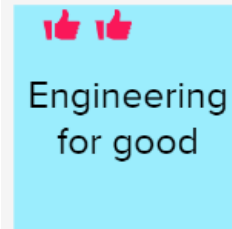
Sustainability



Equity



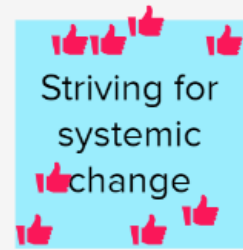
Engineering  
for good



Independence



Striving for  
systemic  
change





# EWB International Network

## Consultation of EWB-International Strategic Workshop

### Perspectives from EWB Hong Kong

25 August 2022

Engineers Without Borders International sought seeking to maximize our global impact through understanding and supporting Regional / National EWB Organizations.

How do you rate the following opportunities that are available to us by working together: \*

	Not a priority	Low priority	Medium priority	Essential
We can establish and uphold common standards of practice to protect our name and reputation	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
We can build global programmes that deliver global impact	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
We can mobilise volunteers from all over the world to support our work	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
We can improve our efficacy by sharing resources and tools	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
We can establish partnerships with other global NGOs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
We can share and learn from each other to continuously improve our work	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
We can build a shared voice that can be a powerful influencer of change	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
We can transfer suitable existing programmes to new geographies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
We can access global funding opportunities and disseminate funds equitably	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
We can promote a global brand to generate public recognition and support	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
We can develop best practice guidance that we can share with the world	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## EWB International Network

### Ten years from now...

During the workshop we invited participants to imagine what the global Engineers Without Borders movement could achieve ten years from now if we united and worked together to deliver significant global impact. The following questions ask for your feedback on the outputs of the workshop discussion as well as providing space for you to add your own thoughts.

### What should we focus on?

Which of the following focus areas do you think have the greatest potential for us to work together on so that we can deliver significant impact and benefit to the world over the next ten years? You can select up to four areas and / or suggest alternatives below. We note that there are overlaps. \*

- Increasing diversity in engineering
- Addressing water access issues
- Addressing sanitation and hygiene issues
- Supporting underserved communities and vulnerable populations with engineering services
- Addressing food access issues
- Preparing communities for climate change
- Addressing energy access issues
- Investing in entrepreneurs who focus on social and environmental injustices
- Embedding our approach into engineering education
- Reshaping engineering practice in engineering companies
- Youth STEM outreach
- Supporting governments to deliver better engineering infrastructure

### Consultation of EWB-International Strategic Workshop

### Perspectives from EWB Hong Kong

25 August 2022

### What are our strengths?

The following were identified as strengths (existing and potential) of the global Engineers Without Borders movement. These strengths are what make us unique and what we can offer to the world that no one else is capable of. Which of the following do you think are our unique strengths? You can select up to three. \*

- We mobilise a significant number of volunteers around the world
- Our community is large and representative of diverse voices from all over the world
- We are effective at tackling social and environmental injustice
- We are experts in technologies and engineering that best serve marginalised communities
- We can better inspire and prepare the next generations of engineers than anyone else
- Our community is hugely passionate about making a positive difference
- We leverage engineering skills and expertise
- We can influence the wider engineering community, which has a significant role in addressing global challenges
- We know how engineering will support the delivery of the Sustainable Development Goals and are best placed to advise governments, major investors and international institutions (e.g. the UN)
- Through mobilising volunteers we can deliver support to people that otherwise can't access engineering skills and expertise



## EWB Asia Network

### EWB-ASIA NETWORK

# ENGINEERS WITHOUT BORDERS 1<sup>ST</sup> EWB-ASIA FORUM TOWARDS OUR FUTURE CITIES



HONG KONG Region  
Application:



Zoom Link to be  
provided by email  
after your application.



6 February 2022 (Sunday)

14:30 – 17:30  
(GMT+8hrs Hong Kong / Malaysia /  
Singapore / Philippines Time)

Co-organizers



Supporting  
organizations



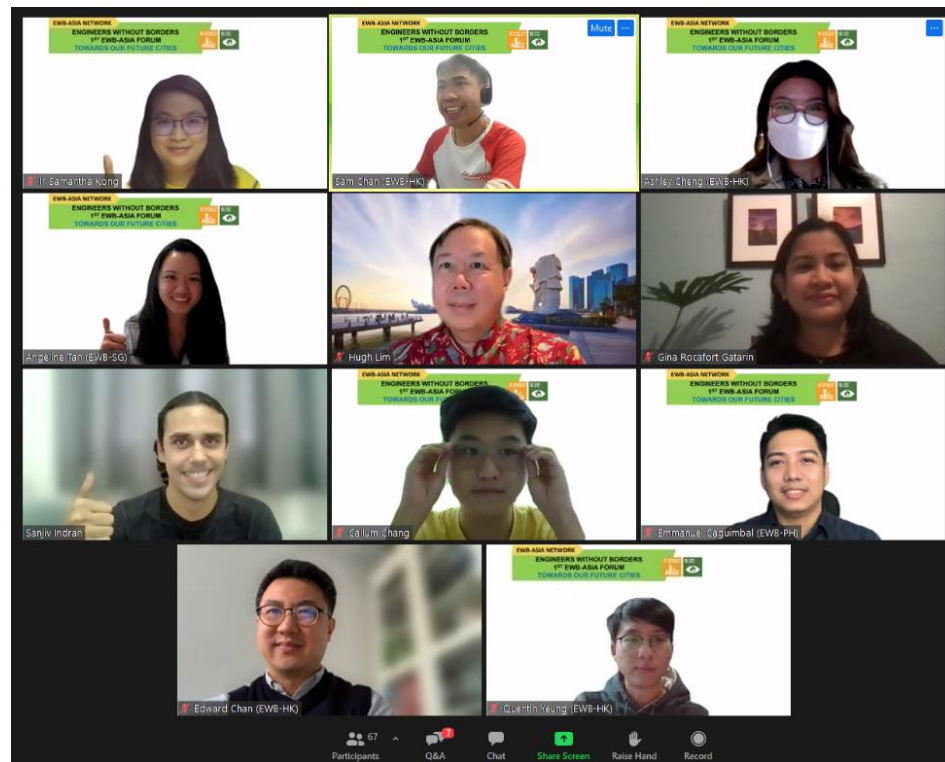
## EWB Asia Network

### EWB-ASIA NETWORK

### ENGINEERS WITHOUT BORDERS 1<sup>ST</sup> EWB-ASIA FORUM TOWARDS OUR FUTURE CITIES

#### PROGRAMME

- |               |  |
|---------------|--|
| 14:30 – 14:35 | Introduction to EWB-Asia Network and Forum   |
| 14:35 – 14:45 | Keynote Speech by EWB-International Executive Board  |
| 14:45 – 15:05 | EWB in Hong Kong, Malaysia, Philippines, Singapore   |
| 15:05 – 15:30 | Sustainability & Sustainable Development Goals<br><i>Ir Samantha Kong, Hong Kong</i>   |
| 15:30 – 15:55 | Role of cities in advancing sustainability<br><i>Mr. Hugh Lim, Singapore</i>   |
| 15:55 – 16:00 | Break  |
| 16:00 – 16:30 | Small victories and hopeful possibilities for Metro Manila's transport system: A collaborative project towards a city that we deserve<br><i>Ms. Gina Rocafort Gatarin, Philippines</i> |
| 16:30 – 17:00 | Climate action projects by EWB-Malaysia and the role of youth in driving change<br><i>Dr. Sanjiv Indran, Mr. Callum Chang, Malaysia</i>  |
| 17:00 – 17:30 | Speakers Panel Discussion  |

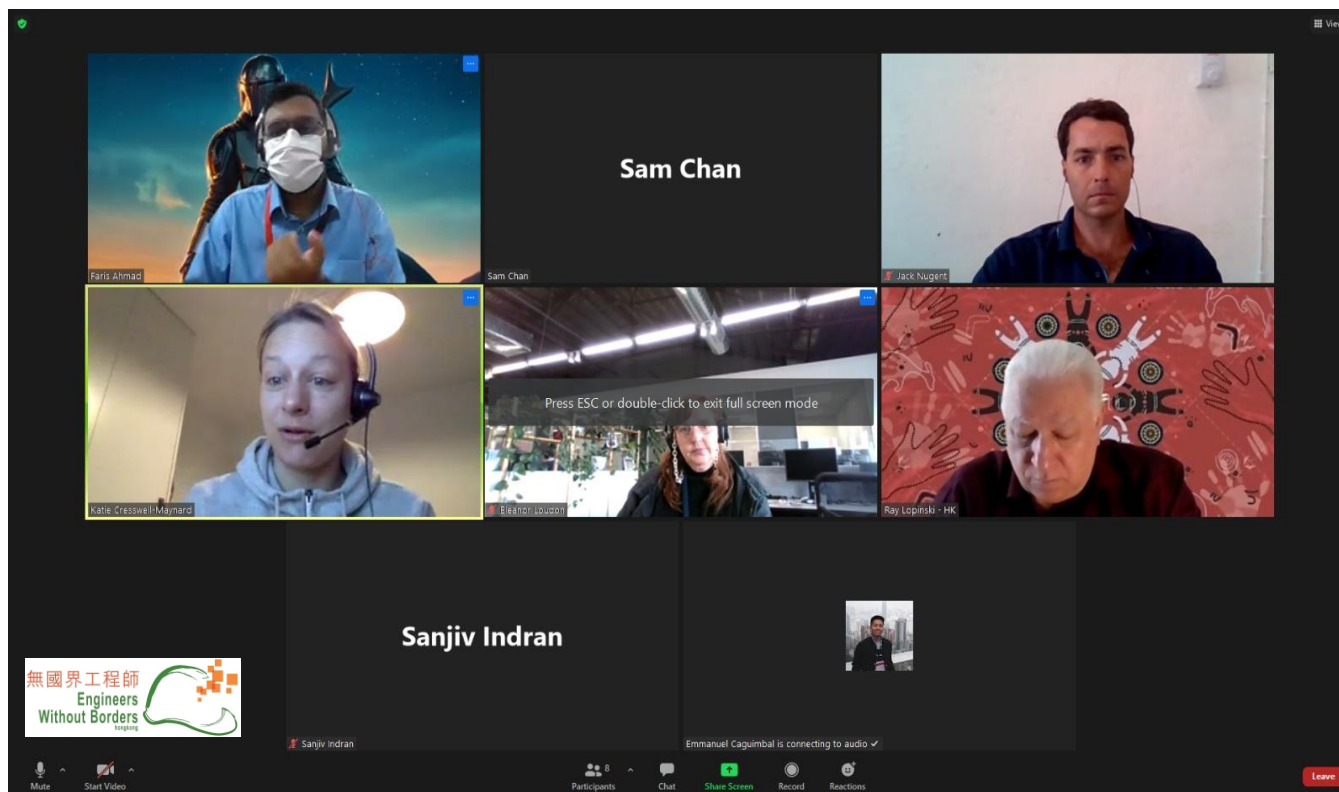


Speakers group photo

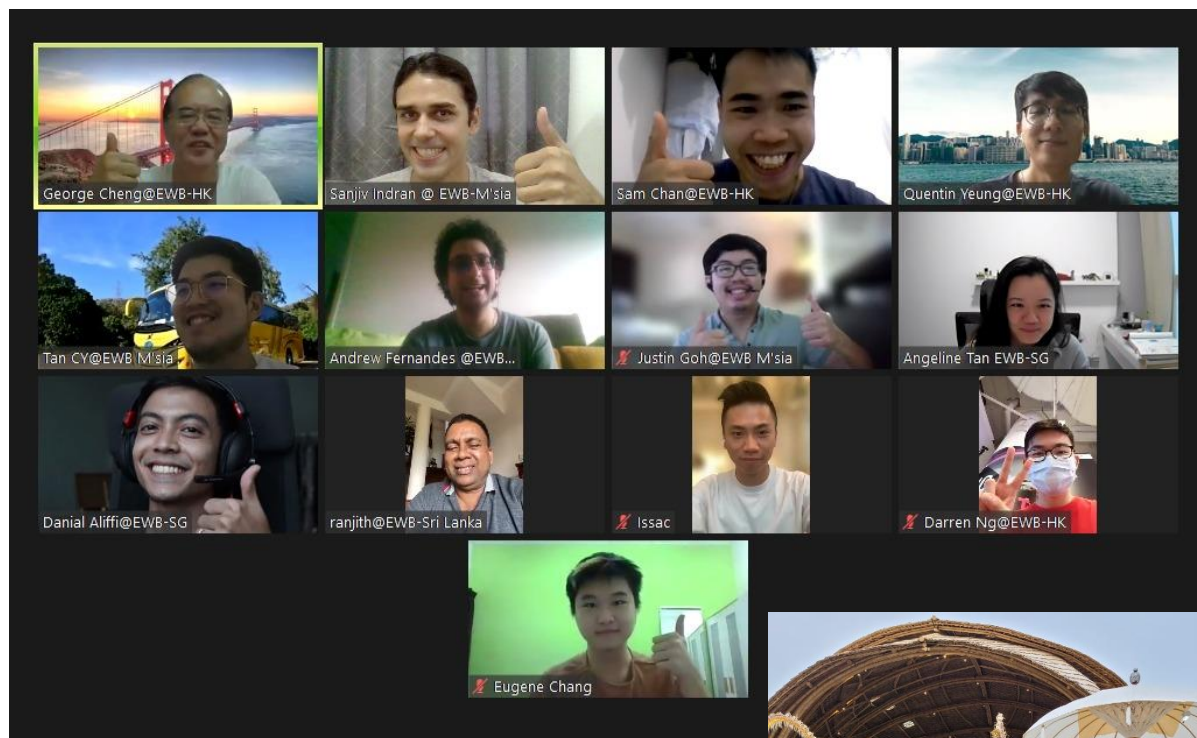


## EWB Asia Network

### Meeting with EWB International & EWBs in Asia for partnership on 22 April 2022



## EWB Asia Network



EWB-Malaysia, EWB-Singapore,  
EWB-Philippines, EWB-Sri Lanka,  
EWB-Nepal, EWB Hong Kong

EWB Hong Kong  
- EWB Sri Lanka

Meet up with  
EWBs in Asia Network  
in 2022

EWB Hong Kong  
- EWB Singapore





# EWB Asia Network

## EWB-Asia network meeting

13 October 2022

Hong Kong, Singapore, Nepal, Philippine



## ENGINEERS WITHOUT BORDERS ASIA NETWORK

### CLIMATE CHANGE AND ACTION SEMINAR

**26 November 2022** (Saturday)  
**14:00 – 16:00**  
 (GMT +8hrs HK/SG/MY/PH Time Zone)

Co-organizers

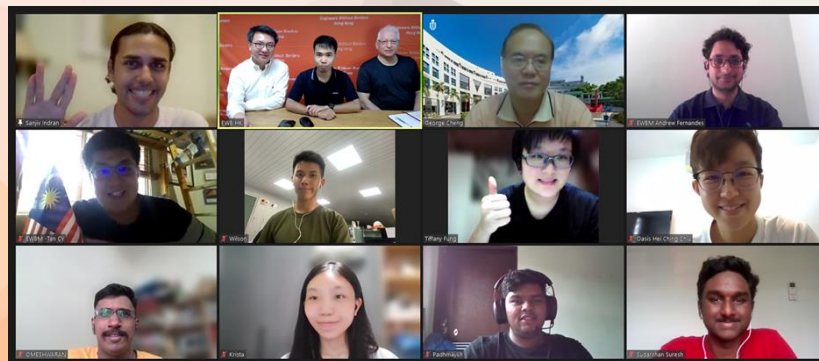


Supporting organizations



## EWB Asia Network

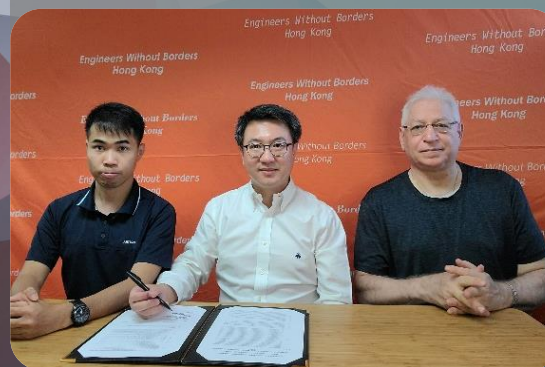
### Strategic Partnership with EWB-Malaysia



Jurutera Tanpa Sempadan Malaysia  
Engineers Without Borders Malaysia EWB-MY



Engineers Without Borders Hong Kong  
EWB-HK





## EWB Asia Network

### Strategic Partnership with EWB-Malaysia

#### EWB Asia Network

- 2023, Asia network leader to be handed over from EWB Hong Kong to EWB Malaysia
- EWB-Asia Conference to be held in Kuala Lumpur, Malaysia in 2023
- International Service Trip to Malaysia to be held in conjunction with EWB Global Citizenship Programme 2023



## EWB Asia Network

# Pro bono team recruitment

### Overseas Projects

- Hong Kong based planning and supporting team
- Overseas trip team

[EWB-HK Notice] Ref: N-20220725-00

## Engineers Without Borders Hong Kong Overseas Humanitarian Service 2023 Recruitment 海外人道服務 2023 義工招募



Photo from EWB-Malaysia

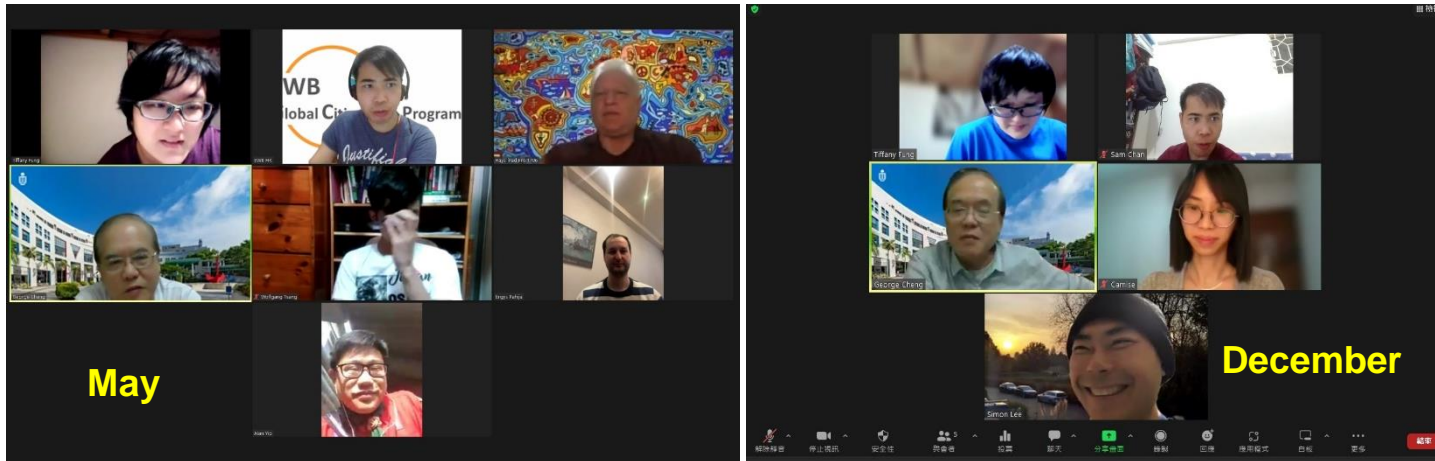
EWB-HK has conducted overseas humanitarian service mission since 2015. In 2023, we will continue our overseas humanitarian mission to the disadvantaged community in Malaysia. We would like to recruit **Pro Bono Professionals** to form the team by the end of August 2022, plan and develop the projects with EWB-Malaysia.

- Project Leader (OPC001) in good communication skills (non-built professionals are welcome)
- Project Coordinator (OPC002) in good communication skills (non-built professionals are welcome)
- Project Civil Engineer (OPC004)
- Project Water Engineer (OPC005)
- Project Mechanical Engineer (OPC006)

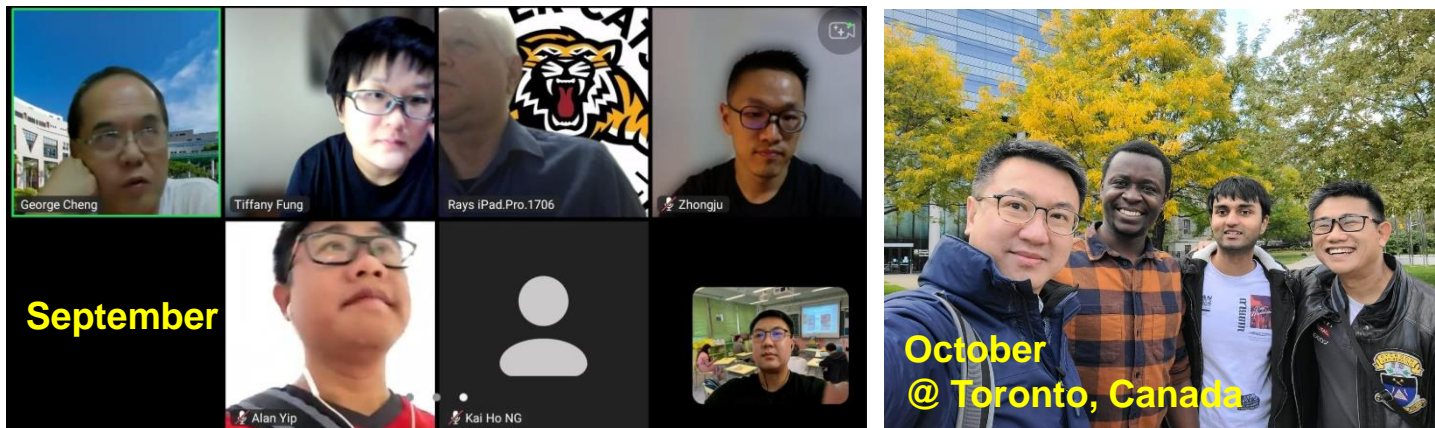
Contact: Mr. Sam Chan (+852 62317504, samchan@ewb.hk)



## EWB Hong Kong's Global Network



### EWB-HK Volunteers – Global Get-together Gathering Australia . Canada . Hong Kong . Japan . UK



# Volunteer Development Volunteer Cohesion



# Volunteer Engagement

## What should we focus on?

Which of the following focus areas do you think have the greatest potential for us to work together on so that we can deliver significant impact and benefit to the world over the next ten years? You can select up to four areas and / or suggest alternatives below. We note that there are overlaps. \*

- Investing in entrepreneurs who focus on social and environmental injustices
- Addressing energy access issues
- Preparing communities for climate change
- Addressing water access issues
- Supporting underserved communities and vulnerable populations with engineering services
- Addressing food access issues
- Reshaping engineering practice in engineering companies
- Embedding our approach into engineering education
- Addressing sanitation and hygiene issues
- Increasing diversity in engineering
- Youth STEM outreach
- Supporting governments to deliver better engineering infrastructure

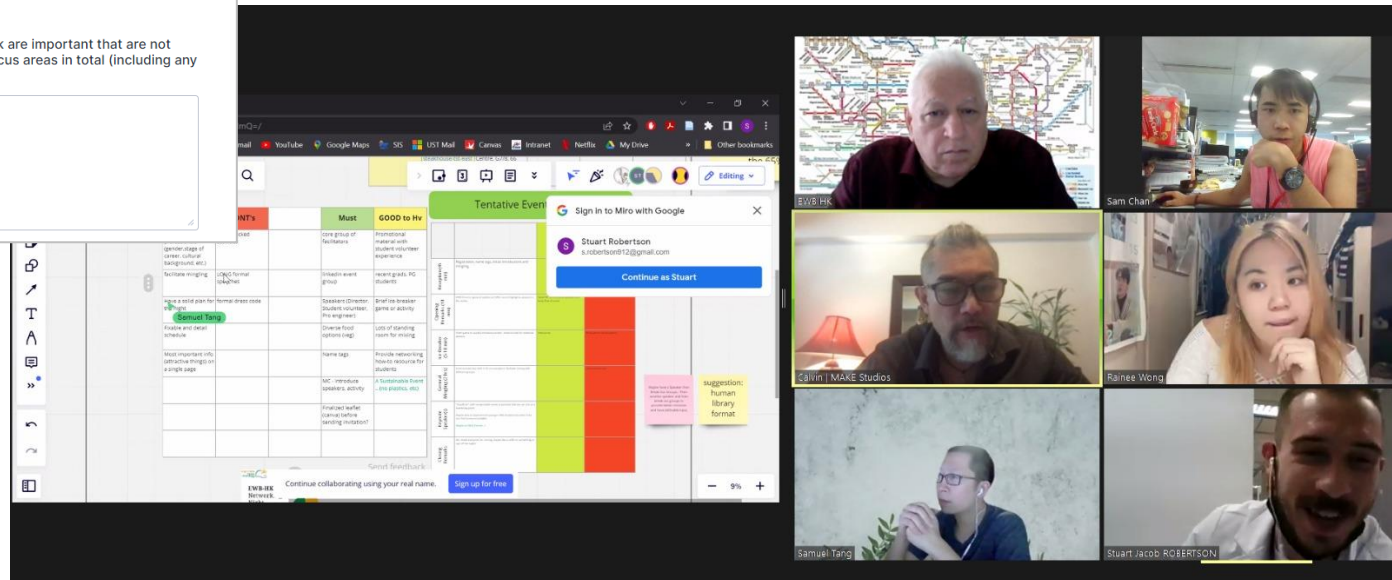
Use this space to suggest other focus areas you think are important that are not included above. Please keep to a maximum of four focus areas in total (including any you've selected above).

Type here...

## EWB International Network

### Design Impact Meeting

Conducted after volunteers engagement survey, for volunteers' needs evaluation  
 30 July 2022



The collage includes:

- A meeting agenda table with columns for 'Must', 'GOOD to Hvr', and 'Tentative Event'.
- A Miro meeting interface showing a sign-in prompt for Stuart Robertson.
- A grid of eight video call participants with their names at the bottom: BIVI HK, Sam Chan, Calvin | MARE Studios, Rainee Wong, Samuel Tang, and Stuart Jacob ROBERTSON.

Must	GOOD to Hvr	Tentative Event
core group of facilitators	Professional mentorship with student volunteer experience	
inclusion event	workshops, PG projects	
Session/Director	Breaktime breaker game or activity	
Student volunteers (the engineers)	Lots of planning time for writing	
Downie food (volunt egg)	Workshop mentoring (how to structure the plan)	
name tags	A Sustainable team (the planet, etc)	
MC: introduce speakers, activity	Final act/walk	
Final act/walk	Human library (searching mission?)	

## Volunteer Development

### EWB-HK Engagement Workshop

June 2022

- Designing Volunteering for Impact
- Design Thinking Workshop 1





## Volunteer Cohesion



## EWB HK Summer Gathering

25 August 2022

## Volunteer Cohesion

EWB Volunteer  
Chill-out gathering  
23 Sept 2022





# Volunteer Cohesion

# EWB Night

since April 2022  
 60 minutes per month



# Volunteer Cohesion

## CALLING ALL VOLUNTEERS

RSVP



### EWB Night · LIVE on Zoom!

1st Saturday, 60 mins @ month

- News & activities updates
- Mini seminar: What is NFT?  
 Speaker:  
 Desmond Cheung, Tech Professional at Amazon
- Mini salon: NFT for fundraising
- Welcoming newcomers

Please RSVP by 31 March at:  
<https://forms.gle/wZqy7rLwEKyCsLBQ7>

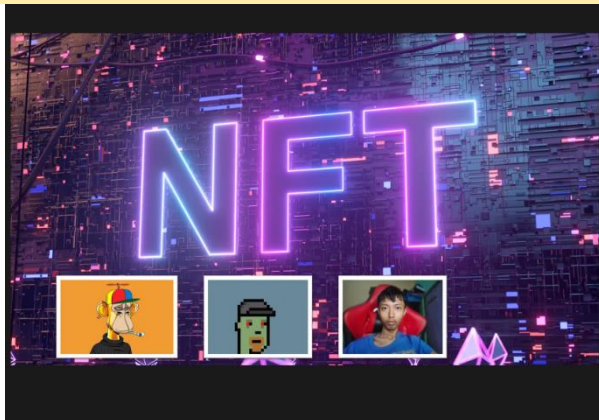


Enquiry: [info@ewb.hk](mailto:info@ewb.hk)

Join Us!

Sat, 2 April 2022  
 8:15pm HKT (12:15pm GMT)

ENGINEERS WITHOUT BORDERS · HONG KONG



### About myself



- Tech professional, once an industrial engineering graduate
- Ex-Microsoft, currently at Amazon Web Services
- Founder of *descoach.co*, and Career Coach at HKUST, HKU - I help people get into tech





## Volunteer Cohesion

### CALLING ALL VOLUNTEERS

RSVP

### EWB Night · LIVE on Zoom!

1st Saturday, 60 mins @ month

- Welcome newcomers
- News & activities updates
- Seminar: Could MiC construction prevail in Hong Kong? A pilot project: Nam Cheong 220  
Speaker: Brian Fung, Architect, Director of OIYN
- Mini salon

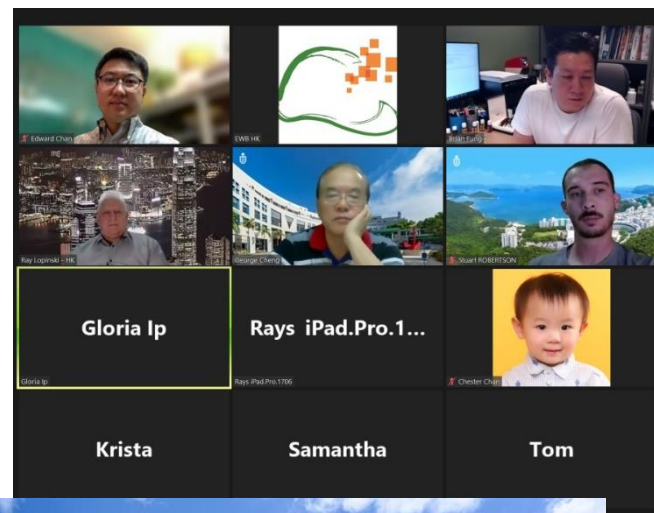
Please RSVP by 6 May, Friday at:  
<https://forms.gle/yxUjXVP2t7ez8PB99>  
Enquiry: [info@ewb.hk](mailto:info@ewb.hk)



Join Us!

Sat, 7 May 2022  
8:15pm HKT (12:15pm GMT)

ENGINEERS WITHOUT BORDERS · HONG KONG



# Volunteer Cohesion

## CALLING ALL VOLUNTEERS

### EWB Night · LIVE on Zoom!

First Saturday, 60 mins @ month

- Welcome newcomers
- News & activities updates
- Talk: Why, what and how? I talk about sustainability  
 Speaker: Ms Renee Wong, KOL #Sustainability #ESG
- Mini salon

RSVP

Please RSVP by 3 June, Friday at:  
<https://forms.gle/6Jj77LPF3Fk9r5Z58>  
 Enquiry: info@ewb.hk



Join Us!

Sat, 4 June 2022  
 8:15pm HKT (12:15pm GMT)

ENGINEERS WITHOUT BORDERS · HONG KONG

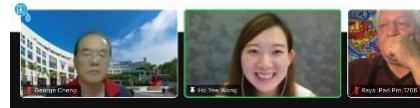
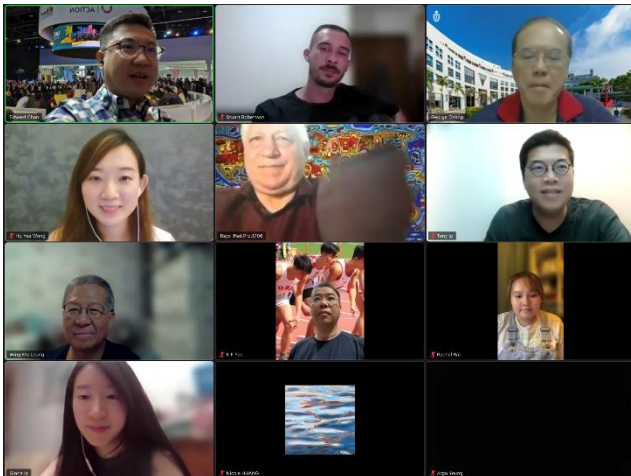


The future depends on what you do in the present



The future depends on what you do TODAY.

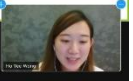
~ Mahatma Gandhi



## How do I start the sustainability journey?



- David Attenborough's planet series triggered my interest in environmental protection and earth science. It seeded my path to sustainability.
- Studied Geography as an elective course in secondary school
  - Major in Environmental Science in Bachelor's degree





# Volunteer Cohesion

CALLING ALL VOLUNTEERS

**EWB Night · LIVE on Zoom!**

First Saturday, 60 mins @ month

**RSVP**

- Welcome newcomers
- News & activities updates
- Talk  
 Life Story: a Green Building Pioneer  
 Speaker  
 Mr Tony Ip, Founder and Director, Tony Ip Green Architects
- Salon

Please RSVP by 1 July, Friday at:  
<https://forms.gle/besAWH7p3cyM7mQ69>

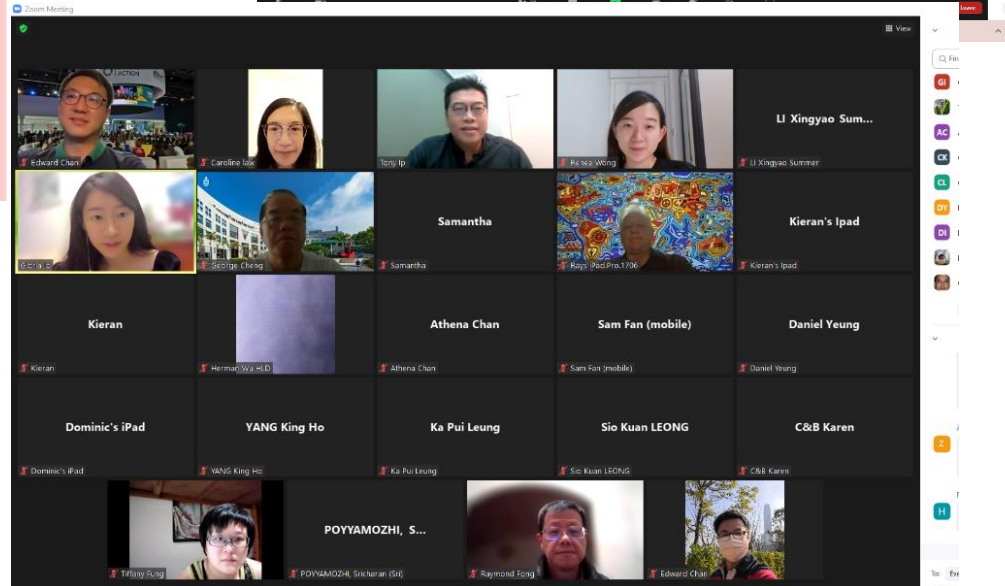
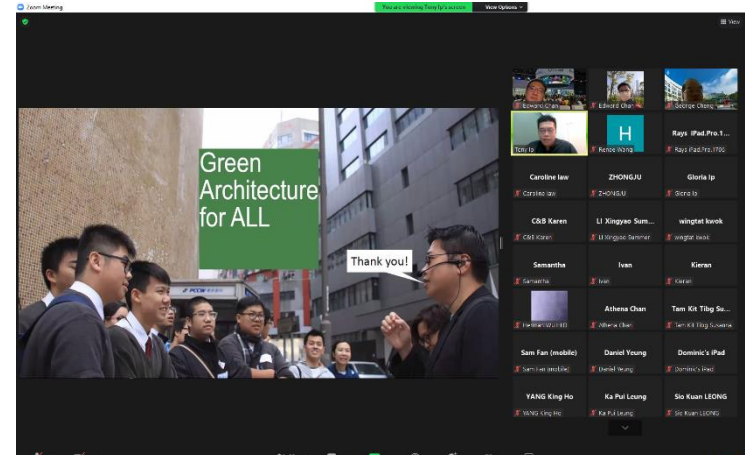
Enquiry: [info@ewb.hk](mailto:info@ewb.hk)



Join Us!

Sat, 2 July 2022  
 8:15pm HKT (12:15pm GMT)

ENGINEERS WITHOUT BORDERS · HONG KONG



## Volunteer Cohesion

**CALLING ALL EWB Friends**

**RSVP**

**EWB Night · LIVE on Zoom!**  
 First Saturday, 60 mins @ month

- Welcome newcomers
- News & activities updates
- Talk: Urban biodiver"city" + Urban yard waste

Speaker:  
 Dr. Caroline Law (Assistant Professor at THEi,  
 Member of Country and Marine Parks Board, HKSAR)

- Salon

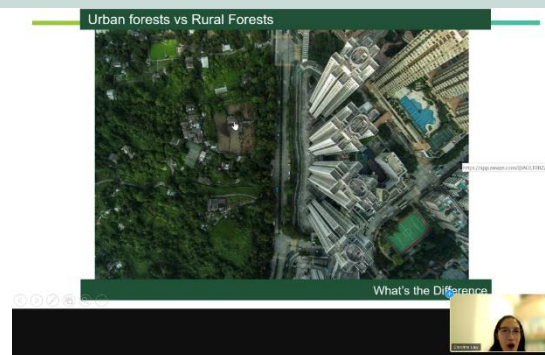
Please RSVP by 5 August, Friday at:  
<https://forms.gle/ZlBeuTgIQ49oLmyw8>  
 Enquiry: [info@ewb.hk](mailto:info@ewb.hk)

Sat, 6 August 2022  
 8:15pm HKT (12:15pm GMT)

**Join Us!**



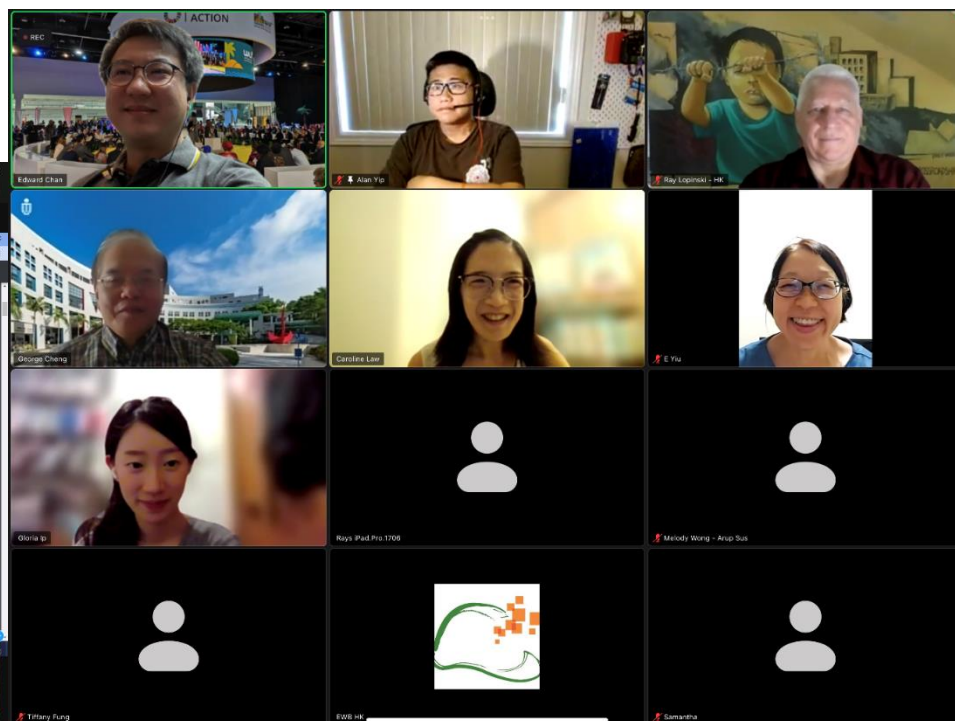
ENGINEERS WITHOUT BORDERS · HONG KONG



**EWB Night . Live online!**  
 6 August 2022

1. Welcome new comers
2. News & activities update
3. Sharing Talk
  - Urban biodiver"city" + urban yard waste  
 城市生物多樣性 + 城市庭院垃圾
4. Salon
5. (Post-event Chats)







# Volunteer Cohesion

**CALLING ALL EWB Friends  
 EWB Night · LIVE on Zoom**


X

**CATHAY PACIFIC**

**Thur, 8 September 2022**  
**8:15pm HKT**  
**(12:15pm GMT)**

- Welcome newcomers
- News & activities updates
- Talk: Moving towards more sustainable aviation  
 Speaker: Karen Pong, Cathay Pacific Airways
- Salon





**Please RSVP by 7 September, Wed at:**  
<https://forms.gle/bxZ64YohMqudFTie9>  
 Enquiry: [info@ewb.hk](mailto:info@ewb.hk)

**ENGINEERS WITHOUT BORDERS · HONG KONG**

Mission: minimise our negative impact

**INPUT**

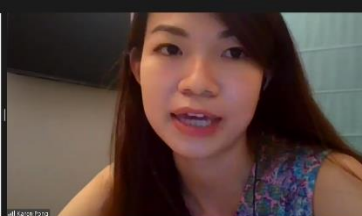
Fuel  
Feed  
Plastics  
Paper  
...



**OUTPUT**

CO2  
Emissions  
Waste  
Noise  
...

**PAX & CGO**  
 Trafficking  
 Carnage  
 Shark fin  
 Wildlife  
 ...











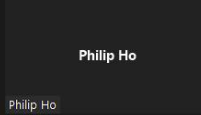



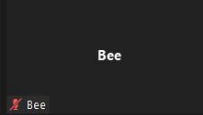


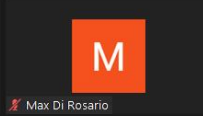
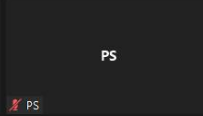



CATHAY PACIFIC



**MOVING TOWARDS  
 MORE SUSTAINABLE AVIATION**

September 2022

 Karen Pong	 EWB Edward	 Camise	 Raymond Wan	 Evoone Yiu
 Gloria Ip	 Rays iPad.Pro.1706	 Sam Fan (mobile)	 Rachel Wu	 Cadence LAW
 Philip Ho	 Zhongju Wang	 Oasis Hei Ching...	 Tiffany Fung	 Bee
 Melody Wong	 Sam Wong	 Max Di Rosario	 PS	 Samantha



# Volunteer Cohesion

**CALLING ALL EWB Friends**

**RSVP**

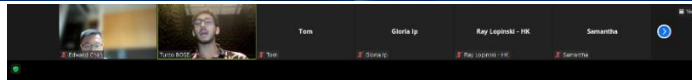
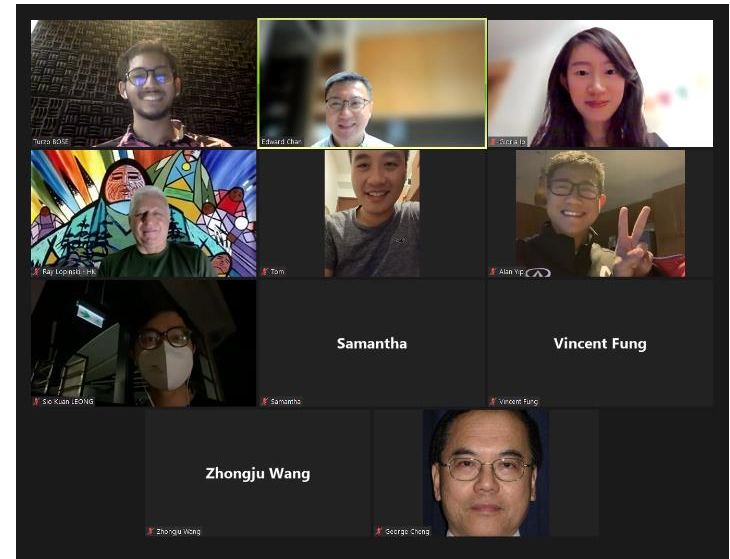
**EWB Night · LIVE on Zoom!**  
 60 mins @ month

- Welcome newcomers
- News & activities updates
- Talk: AI for Social Impact  
 Speaker: Turzo Bose, Founder, Seekr (EWB GCP 2019 Alumni)
- Salon

Enquiry: [info@ewb.hk](mailto:info@ewb.hk)  
 Please RSVP by 12 October, Wed at:  
<https://forms.gle/faeDFg7LWwGWBrHGB>

Next Thur, 13 October 2022  
 6:30pm HKT (10:30am GMT)

ENGINERS WITHOUT BORDERS · HONG KONG

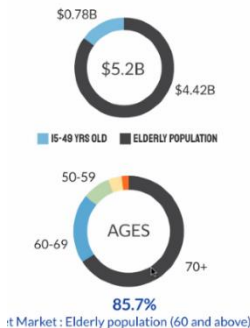


Powered by Vidi Labs

**seekr**  
 your visual companion

## Market Analysis and Potential Market

### Visual Assistive Device Market (HK)



### B2C

Solutions for individual users



Seekr hardware purchase



Seekr freemium app subscription model

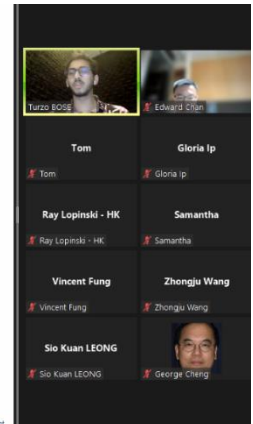
- Basic Version - Text and object recognition
- Premium Version - Face recognition, Navigation and Safety

### B2B

Packaged solution for Institutions, NGOs, Optometrists, Hospitals & Care Providers



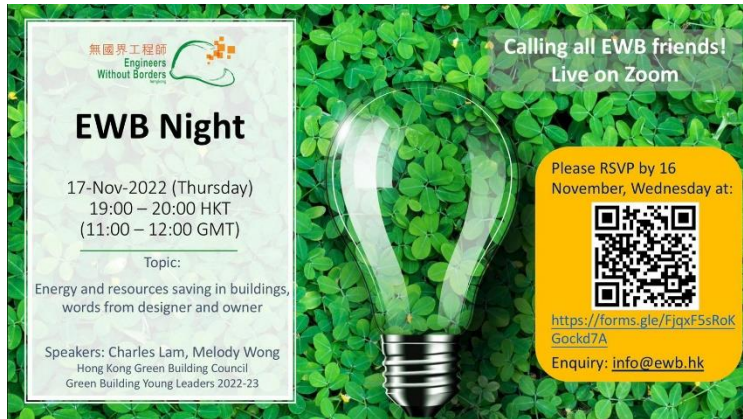
Seekr premium subscription + hardware unit  
 Unit Cost: (1 year validity on premium subscription)



\*Source: Hong Kong Blind Union Statistics, Social Welfare Department, Hong Kong Government



## Volunteer Cohesion



無國界工程師  
Engineers  
Without Borders


### EWB Night

17-Nov-2022 (Thursday)  
19:00 – 20:00 HKT  
(11:00 – 12:00 GMT)

Topic:  
Energy and resources saving in buildings,  
words from designer and owner

Speakers: Charles Lam, Melody Wong  
Hong Kong Green Building Council  
Green Building Young Leaders 2022-23

Calling all EWB friends!  
Live on Zoom

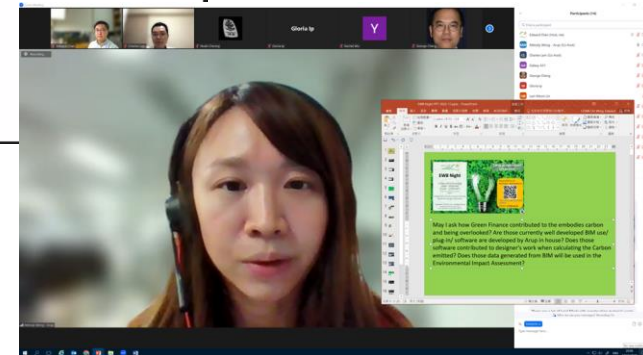
Please RSVP by 16  
November, Wednesday at:  
  
<https://forms.gle/FjqxF5sRokGockd7A>  
Enquiry: [info@ewb.hk](mailto:info@ewb.hk)

ARUP

### Energy and Resources Saving in Buildings

From designer point of view

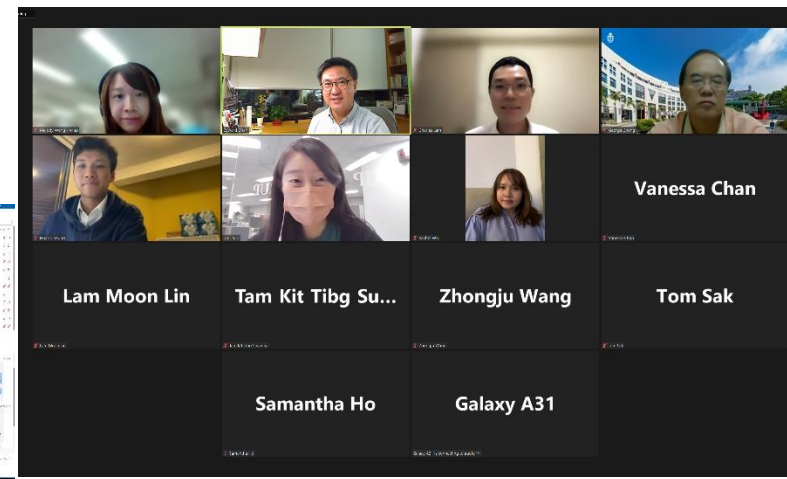
Melody Wong  
17 November 2022



## Energy & Resource in Buildings, Words from Designer & Owner

Mr Charles Lam

Green Building Young Leader – Hong Kong Green Building Council  
Sustainability Officer – Shun Tak Holdings Limited



## Partnership / Network with NPOs and the Industries



## Partnership with the industry

### Joint ICE HKA ICarE x EWB-HK Webinar: The role of changemakers in advancing sustainable development

ICE Caring Engineering and EWB-HK will organize joint webinar together, to invite different charitable organizations sharing their insights on village revitalisation, disaster preparedness and community resilience education, and social service with well-being improvement.

### Joint ICE HKA ICarE x EWB-HK Webinar The Role of Changemakers in Advancing Sustainable Development



**27 April 2022** (Wednesday)  
 19:00 – 21:00 (GMT+8)

**Hong Kong Region Application Link:**  
[https://us06web.zoom.us/join/register/WN\\_rjTLv3S6BbaFXaU18AA](https://us06web.zoom.us/join/register/WN_rjTLv3S6BbaFXaU18AA)

**For More Information:**  
<https://www.ice.org.uk/events/latest-events/ice-caring-engineering-the-role-of-changemakers-in-advancing-sustainable-development/>

Zoom Link to be provided by email after your application.

For enquiry, please kindly contact  
 ICE HKA ICarE - Ms Ashley Cheng (ashleychengcivil@gmail.com) /  
 EWBHK - Mr Sam Chan (samchan@ewb.hk)



**Mr Lam Chiu Ying, SBS**  
 Chairman, HKCF  
 Mr Lam Chiu Ying, SBS, is Chairman of the Hong Kong Countryside Foundation, one of the initiators of the village revival efforts at Lai Chi Wo and also Honorary President of The Hong Kong Bird Watching Society. He was past Director of The Hong Kong Observatory and past Chairman of the Environmental Campaign Committee to promote public awareness of environmental protection issues.



**Ms Eva Yeung**  
 Senior Manager, Community Resilience Service, HKRC  
 Ms Eva Yeung is the Senior Manager from Hong Kong Red Cross. She has been engaged in the humanitarian and development field with international non-government organisations for over 15 years. She is enthusiastic in enhancing participatory approaches in community resilience programmes as well as sharing techniques in project management and disaster management through trainings and community projects. She is currently a member of the Urban Collaboration Platform from the International Red Cross network and keen on promoting the concept of community resilience in Hong Kong.



**Ms Lai Yuk Wai**  
 Officer-in-charge, Community Liaison Team, HKLSS  
 Ms Lai Yuk Wai is a Registered Social Worker (RSW) in Hong Kong and Officer-in-charge of Community Liaison Team in Hung Shui Kiu of Hong Kong Lutheran Social Service (HKLSS). During her presentation, she will share her insights on social service with well-being improvement.



**Co-organizers**




**Supporting-organizers**



## Partnership with the industry

Joint ICE HKA ICarE x EWB-HK Webinar





### The Role of Changemakers in Advancing Sustainable Development




**27 April 2022 (Wednesday)**  
**19:00 – 21:00 (GMT+8)**

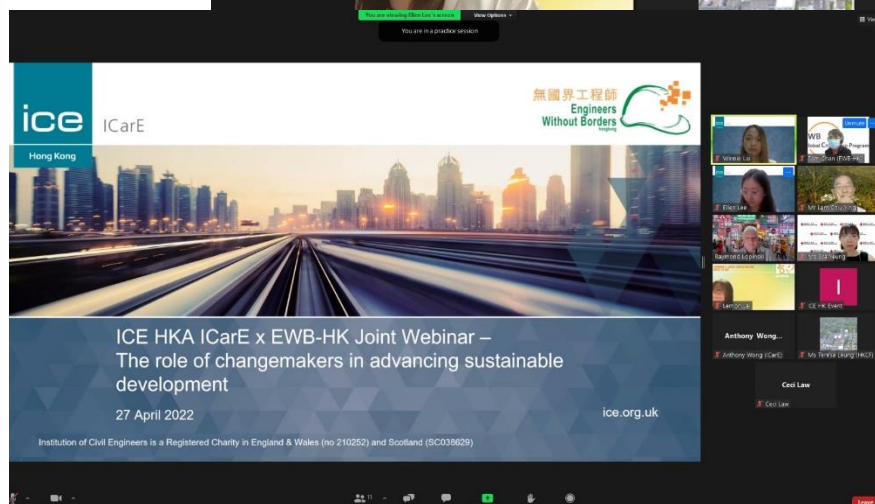
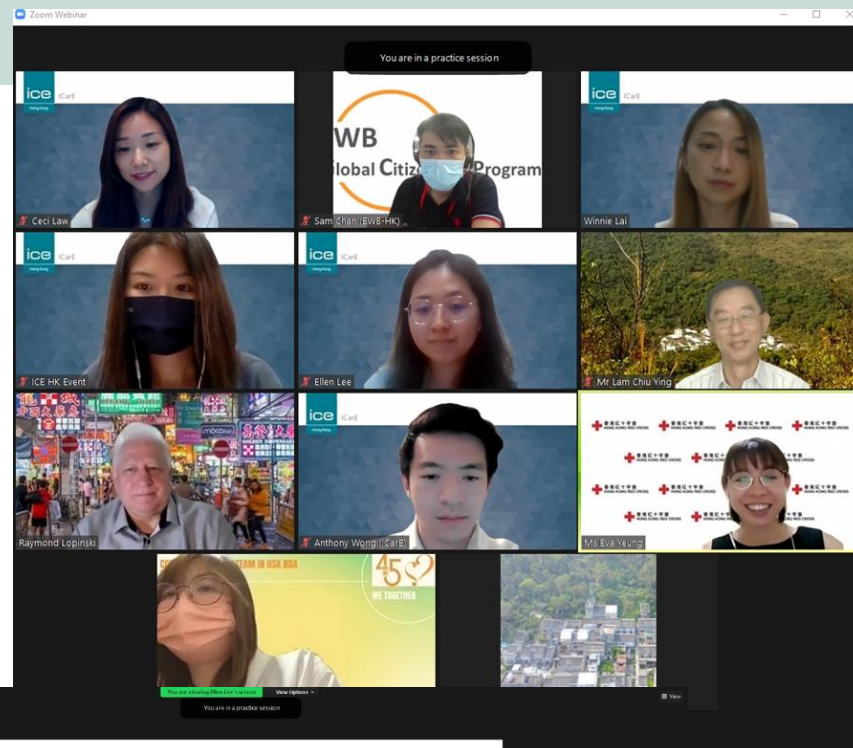
19:00 – 19:05	Welcome Greetings
19:05 – 19:10	ICE HKA ICarE Chairman's Welcome Speech
19:10 – 19:15	EWB-HK Director's Welcome Speech
19:15 – 19:30	ICE HKA ICarE Sharing
19:30 – 19:45	EWB-HK Sharing
19:45 – 20:05	Mr CY Lam, Chairman of HK Countryside Foundation
20:05 – 20:25	Ms Eva Yeung, Senior Manager of HK Red Cross
20:25 – 20:45	Ms YW Lai, Officer-in-charge of HK Lutheran Social Service
20:45 – 21:00	Panel Discussion
21:00	Closing

**Co-organizers**

**Supporting-organizers**





# Partnership with the industry

## Supporting External Events



Achieving a Sustainable and Carbon Neutral Built Environment in the Greater Bay Area  
 實現大灣區可持續和碳中和建築環境

16 Dec 2022 | 9:30am - 4:30pm | Room N101, HKCEC

Organiser 主辦機構:



Funded by 資助機構:



Fully supported by 全力支持:



### - Supporting Partners 支持伙伴 -



G-GHM ALLIANCE  
 香港灣區綠色建築產業聯盟



深圳市綠色建築協會  
 Shenzhen Green Building Association



大灣區碳中和協會  
 GBA Carbon Neutrality Association

### - Supporting Organisations 支持機構 -



# Partnership with the industry

## Supporting Organisation of BEAM Society Training Programmes 2022



### Supporting Organisations

# Supporting External Events

**Organiser:** BEAM 建築環保評估協會

**Co-organiser:** HKGBC 香港綠建築師學會

**BEAM Affiliate Training and Examination Programme**

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**What is BEAM Affiliate?**

A BEAM Affiliate is a person accredited by the Hong Kong Green Building Council (GBC) for building design, construction and operations. The BEAM Plus rating tool is used to equip participants with knowledge in green building design, construction, testing, commissioning, operation and maintenance.

The programme welcomes practitioners working in construction, testing, commissioning, operation and maintenance who are in the process of working towards BEAM Plus accreditation.

**About Training Programme (BA-2022-1019G / BA-2022-1019CS / BA-2022-1019GS)**

The training includes the general concepts of BEAM Plus Neighbourhood rating tools. Trainers are industry professionals that supports the initiatives of green building.

**Training Format: Video Training**  
**Medium of Instruction: Cantonese or English**  
**Deadline for Application: 11 November 2022 (Friday)**  
**Topics to be covered:**

- Introduction to BEAM Plus
- Supplementary Session
- Integrated Design and Construction Management (IDCM)
- Sustainable Site (SS)
- Materials and Waste (MW)
- Water Use (WU)
- Energy Use (EU)
- Health and Wellbeing (HWB)
- Mini Mock Exam & Wrap up

**Organiser:** BEAM 建築環保評估協會

**Co-organiser:** HKGBC 香港綠建築師學會

**BEAM Professionals Education Programme**

**The 6<sup>th</sup> BEAM Plus New Buildings Version 2.0 (NBv2.0) Training and Examination**

---

**What is BEAM Professional (BEAM Pro)?**

BEAM Professionals (BEAM Pro) are green building professionals accredited by the Hong Kong Green Building Council in various aspects of the green building life cycle. The key role of BEAM Pro is to integrate the latest green building standards and practices into everyday building planning, design, construction and operation. BEAM Pro will be responsible for advising the project team on achieving the required credit to attain the client's desired green building rating level.

To cope with the ever-evolving green building practices and developments, the BEAM Pro specialty credential accredits professionals by their specialisation in one or multiple BEAM Plus Assessment Tool(s). BEAM Pro qualifications with specialty include BEAM Pro (NB), BEAM Pro (EB), BEAM Pro (BI), BEAM Pro (ND), BEAM Pro (NDC) and BEAM Pro (EDC).

**About BEAM Pro Training and Examination**

The BEAM Pro Training and Examination is organised by BEAM Society Limited (BSL). Green building practitioners aiming at gaining the BEAM Pro accreditation are required to complete the online Fundamental Course on BSL's Online Training Portal as a prerequisite before opting into any of the elective courses below:

- BEAM Plus New Buildings (NB)
- BEAM Plus Interiors (BI)
- BEAM Plus New Data Centres (NDC)
- BEAM Plus Existing Buildings (EB)
- BEAM Plus Neighbourhood (ND)
- BEAM Plus Existing Data Centres (EDC)

After completing the training, candidates are required to take and pass the examination to gain the credential.

**About BEAM Plus (NB) v2.0 Training (NB-2022-0812 / NB-2022-0812S)**

This course provides in-depth knowledge of BEAM Plus New Buildings (NB) assessment tool for practitioners who aim at earning the credential to demonstrate their expertise. Upon course completion, you shall be proficient in:

- The framework of BEAM Plus NB v2.0
- The grading scheme, credits and features of BEAM Plus NB v2.0

**Training Format: Video Training**  
**Medium of Instruction: English**  
**Deadline for Application: 30 September 2022 (Friday)**  
**Topics to be Covered:**

- Sustainable Site (SS)
- Integrated Design and Construction Management (IDCM)
- Materials and Waste (MW)
- Energy Use (EU)
- Health and Wellbeing (HWB)
- Water Use (WU)
- Innovations and Additions (IA) • Wrap up of Mock Exam

**Minimum Qualification Requirements**

To enrol in the Training and Examination, you must fulfill one of the following:

- A degree or equivalent in Built Environment related disciplines; and
- At least 3 years postgraduate professional experience; and
- Qualification as a full member of a relevant professional institute (HKIA, HKIE, HKILA, HKIP, HKIS or equivalent)

OR

- A degree or equivalent in Built Environment related disciplines; and
- At least 5 years postgraduate experience related to the assessment of green buildings or equivalent.

BEAM Affiliate accredited from 2014-2016 who has fulfilled the prescribed entry requirement as follows:

- Maintenance of BEAM Affiliate qualification for three consecutive years; and
- Experience and knowledge by proving involvement in BEAM/BEAM Plus project under which the applicable rating tool is used.



## Partnership with the industry



### 亞洲創新建築、電氣、 保安科技展覽會

Asia's Innovative Technology Showcase  
 for Building, Electrical Engineering  
 and Security Industries

2022 / 11 / 16-18 新展期  
NEW DATES

香港會議展覽中心  
 Hong Kong Convention & Exhibition Centre



## Supporting External Events

### Organisations



## Partnership with the industry

## Supporting External Events

**BIOHK2022** Hong Kong Convention and Exhibition Centre  
 香港國際生物科技展 14-17 December 2022

English



Panelist speaker:  
 STEM Education 科技教育、創新引擎及未來生活

17<sup>th</sup> December

8:30  
- 9:00  
9:00  
- 10:00  
10:00  
- 11:00

### Event Registration

#### Main Theatre 5/F KEYNOTE SESSION 15: What do you know about Long COVID?

Chair: Bing Wong, CSO, Bing Biotech

**Topic : Traditional Chinese Medicine Based Supplement For The Alleviation Of Long COVID Symptoms**

Yun K. Tam, President & CSO, Sinoveda Canada Inc.

**Topic : 香港社會走出新冠疫情 - 臨床研究及跟進服務的貢獻**

Edith Lau, Director, Hong Kong Center for Clinical Research

**Product Snapshot : Fight Covid-19 with K-O-CRON by Miss Hong Kong 1985 Pageant , Shallin Tse 謝寧**

#### Town Hall 5/F SYMPOSIUM 6: Smart Hospital are the Future

Edward Cheung  
 Senior Systems Manager,  
 Hospital Authority

Stephen Lau  
 Senior Systems Manager,  
 Hospital Authority

#### Main Theatre 5/F FORUM 6: STEM Education and Biotechnology (STEMLearn)

Keynote Speaker and Curator: Brian Wong, Columnist, Hong Kong Economic Journal

**Topic: 科技教育、創新引擎及未來生活**

Moderator: Wong Wan-na, HK01 Chief Journalist  
 Elizabeth Quat, Member of the Legislative Council, Chairman of Steering Committee & Founder and Honorary President of Smart City Consortium  
 Albert CH Yu, HKBIO Chairman, HKLife Chairman, BIOHK2022 Co-President  
 Kevin Orr Vice President, GBABA Co-Founder, define CLEAN  
 Neil Shih, Co-founder of define CLEAN, ISO 9001:2015 Internal Auditor, Committee of Young Democratic Alliance for the Betterment and Progress of Hong Kong  
 Edward Chan, Chairman, Engineers Without Borders Hong Kong





## Partnership / Network with NPOs

## Supporting External Events



### Main Sponsor :



### Organiser :



### Strategic Partner :



### Strategic Partner of HK Dialogue :



### Sustainability Partner :



### Supporting Organisations :



## Partnership / Network with NPOs

July 2022

**Sowers Action**, our strategic partner for community services projects in Myanmar and Hong Kong.

Congratulations to Sowers Action on this auspicious occasion of its 30th anniversary. Over the three decades, their commitments and achievements to the community development and education facilities in the Mainland China, HK and SE Asia, are much appreciated.





## Partnership / Network with NPOs

July 2022

a visit to the two countryside conservation project venues - Lai Chi Wo 荔枝窩 and Mui Tsz Lam 梅子林, with the presence of **WuZhiQiao Charitable Foundation**, Engineers Without Borders Hong Kong and WZQ's long-term partner and sponsor. We shall continue, and even strengthen the partnership and project collaboration.

無 止 橋 慈善基金  
Wu Zhi Qiao (Bridge to China) Charitable Foundation



## Sponsors and University Partners

### University Partners

EWB Global Citizenship Programme



FACULTY OF CONSTRUCTION  
 AND ENVIRONMENT  
 建設及環境學院



### Sponsors

**Y K Li & Company**  
 李堯基會計師事務所

**Philip Leung & Co. Limited**  
 富立會計師行有限公司





# Communications

## Communications

### EWB Hong Kong Website

<https://www.ewb.hk/>



[Home](#) [About Us](#) [Join Us](#) [Links](#) [Contact Us](#) [Donation Q](#)

[Volunteers Cohesion](#)

[Latest Events](#)

[Hong Kong Projects](#)

[Overseas Projects](#)

[Humanitarian Engineering Training](#)

[Young Members Group](#)

[EWB Global Citizenship Programme](#)

### EWB Global Citizenship Programme 2023

EWB Global Citizenship Programme (GCP) provides a platform for future engineering leaders and Change Makers to explore the global challenges, to serve the society proactively with a global vision, and hence to contribute to the sustainable development goals as global citizens.

Application For GCP23: <https://forms.gle/z2nosSM8eVo5K3r48>

Information Brochure: <https://bit.ly/3C5xLtn>

Enquiry: [gcp@ewb.hk](mailto:gcp@ewb.hk)

Application Deadline: Closed for GCP23

Contact: Raymond Lopinski WhatsApp (+852 56086954)



**EWB Global Citizenship Program**

BE A  
**CHANGE  
MAKER**

TACKLE THE  
**GLOBAL CHALLENGES**

**GLOBAL  
CITIZENSHIP  
PROGRAM  
2023**

Deadline  
Extension  
16 Oct

The banner features three images: a person measuring a tree in a forest, a group of people working on a project, and a word cloud centered around 'sustainability'.

GCP provides a platform for future Leaders and Change Makers to explore the global challenges, to serve the society proactively with a global, humanitarian vision, and to contribute to the sustainable development goals as global citizens.

GCP is a unique program, with challenging, thought-provoking Workshops and





# Communications

## EWB Hong Kong Social Media

### Facebook



EWB Engineers Without Borders  
Hong Kong 香港無國界工程師

1.4K likes · 1.4K followers



Manage

Message

Posts About Videos More

### Details

Page · Nonprofit organization

5610 2200

info@ewb.hk

### Engineers Without Borders (Hong Kong)

Website: [www.ewb.hk](http://www.ewb.hk)

Facebook: <https://www.facebook.com/EWBHK>

Youtube:

<https://www.youtube.com/channel/UCvqevG1PmESgW4z4GMu1MTw>

### Youtube

Engineers Without Borders Hong Kong  
22 位訂閱者

主頁 影片 播放清單 頻道 關於

已建立的播放清單

Why, what and how? I talk about sustainability 1  
SUSTAINABILITY 11:14

EWB Nights 查看完整的播放清單  
Global Citizenship Programme 查看完整的播放清單  
Dialogue with Mo: Climate Change and Sustainable Future... 查看完整的播放清單

上載影片 全部播放

Why, what and how? I talk about sustainability 11:14  
EWB GCP 2019 Myanmar Trip 5:41  
Dialogue with Mo: Climate Justice 21:10  
Dialogue with Mo: Urban Resilience 20:24  
Dialogue with Mo: Panel Discussion 18:34  
Dialogue with Mo: Green Building 15:48

### Instagram

Instagram

ewbhkyouth Message

13 posts 15 followers 57 following

**STEAM Playground**  
Charity Organization  
STEAM Playground is an educational program to foster love for science and technology through targeted play sessions  
[ewb.hk](http://ewb.hk)  
Followed by bitzbu and africacenterhk

POSTS TAGGED

Making a Marble Rollercoaster!

Building a Paper Bridge!

OUR SOLUTION  
We're here to encourage STEM through fun, arts and crafts to Hong Kong's future leaders!

THE PROBLEM  
Underprivileged kids have less access to STEM education, with up to 70% less access.

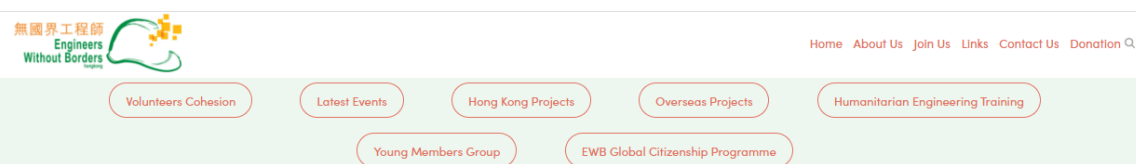
STEAM education promotes...  
creativity & innovative thinking  
critical thinking & problem solving  
team building & collaboration

Meet the STEAM team!

## Communications

## EWB Hong Kong Annual Reports EWB Night monthly records

<https://www.ewb.hk/new-page-3>



**EWB Night** brings industry leaders together to openly discuss industry priorities, share stories, and current information. During the event, best practises and lessons learned from different perspectives would be explored, allowing participants to gain practical insights from professionals.

The monthly EWB night is open to the public, with previous session topics and powerpoints available below; please join us, exchange ideas and share your experiences as we work together to foster growth and long-term success in building a resilient and sustainable Hong Kong. Please contact Camise at [camisewong@ewb.hk](mailto:camisewong@ewb.hk) if you have any questions.

### 2022

- [EWB Night November 2022](#) - Energy and resources saving in buildings
- [EWB Night October 2022](#) - AI for social impact
- [EWB Night September 2022](#) - Moving towards more sustainable aviation
- [EWB Night August 2022](#) - Urban Biodiver'city' + Urban yard waste
- [EWB Night July 2022](#) - Life story: A green building pioneer
- [EWB Night June 2022](#) - Why, what and how? I talk about sustainability
- [EWB Night May 2022](#) - Could MiC construction prevail in HK? A pilot project: Nam Cheong 220
- [EWB Night April 2022](#) - NFT for Fundraising



<https://www.ewb.hk/about-us-en>

With the new direction in force, EWB-HK picked up momentum in development. Various Committees were formed to carry out projects that fulfil the new missions. When it was first founded in 2008, EWB-HK was registered under the Societies Ordinance. In the same year, it was approved as a charitable organization and exempted from tax under Section 88 of the Inland Revenue Ordinance (IRD File No. 91/9757). In 2015, EWB-HK changed its legal entity to a company limited. The new name is Engineers Without Borders (Hong Kong) Limited. Tax exemption was approved in the same year (IRD File No. 91/9757).

## Annual Report

- [2020-21 Annual Report](#)
- [2019-20 Annual Report](#)
- [2018-19 Annual Report](#)
- [2017-18 Annual Report](#)
- [2016-17 Annual Report](#)
- [2015-16 Annual Report](#)
- [2014-15 Annual Report](#)
- [2013-14 Annual Report](#)
- [2012-13 Annual Report](#)
- [2011-12 Annual Report](#)
- [2010-11 Annual Report](#)



## Communications

# 10 Years of EWB-HK Anniversary Book

10<sup>th</sup> Anniversary  
Exhibition 2018



**ENGINEERS  
WITHOUT BORDERS**  
HONG KONG  
2008-2018



**CONTENT**

- Foreword
- Engineers Without Borders Hong Kong
- Engineers Without Borders International
- Hong Kong Projects
- Mainland China Projects
- Overseas Projects
- Humanitarian Engineering Training
- Young Members Group
- Humanitarian Engineering Challenge
- EWB Global Citizenship Programme



**Foreword**

The first ten years of EWB-HK is a rugged time path. At its inception in June 2008, EWB-HK appealed to the public and some 200 professionals responded. They volunteered services in Szechuan which was badly struck by earthquakes in May 2008. Teams of people were sent to the quake areas six times from June 2008 to April 2009, providing services in assessment of village house structures, planning for redevelopment of a demolished village, and transfer of skills in building stronger village houses to withstand earthquakes.

I was elected chairman in October 2010, at a time the organization was on the verge of disintegration. Since there was no longer room for us to work in Szechuan, people who joined EWB-HK at its inception started to drift away. With the determination of a few core members, we groped our way in different directions like donating to build village clinics, leading students to repair schools in rural China, providing engineering advice to other NGOs, etc. However, it did not help in building up an organization because there was no clear direction. Hence in July 2012, the Council (now the Board) of EWB-HK set up the Vision and Missions which work till now.

With the new direction in view, we immediately looked for projects to fulfil Mission no. 1 and established the Young Members Group in 2013 to fulfil Mission no. 2. However, our efforts in looking for projects in China led to nowhere. As for the Young Members Group, which rolled out well in the first two years, saw a shortage of young leaders to continue the work afterwards.

We gained mileage in 2017 when Edward took up the chairmanship. For projects, we started to serve local NGOs as well as to develop overseas projects which are focused mainly in Myanmar. Just join us as a volunteer and you will certainly feel the thriving vitality of both the Hong Kong Projects and Overseas Projects Teams.

Another landmark was made when EWB-HK partnered up with Universities to launch the Global Citizenship Program with a view to letting undergrad or postgrad engineering students broaden their outlook on their role as an engineer to serve different peoples in the world. It has been a successful undertaking for the two years running.

I was told that in Hong Kong, half of the NGOs do not last for more than five years after being established. So I am proud to present to you EWB-HK, which is now in its 11th year and going strong.

Ms. Susanna Tam  
Chairman of Engineers Without Borders Hong Kong 2010-2017  
10 October 2019

**Foreword**

It is my great pleasure to celebrate the 10<sup>th</sup> anniversary of EWB Hong Kong. Thanks to the contribution of our directors, committees, members, pro bono engineers, volunteers and friends of EWB, "To empower a world of disadvantaged communities by engineering solutions to achieve sustainable development" is not only a mission, but also a collective force of passionate individuals.

We are positioned as an engineering-based charitable organization in Hong Kong. Our operation is currently run by volunteers with different knowledge and skill competency. We are aiming at creating a platform between pro bono engineers and the beneficiaries. In view of this, the recruitment and development of a volunteer pool are one of the key factors to make EWB Hong Kong sustainable.

To tackle the growth of our organization, we have to chart the advancement of our NGO governance. In the 2017-18 term, membership and volunteer registration policies have been reviewed. Another immediate action to step up the governance is doing well in communication. Our Overseas Projects Committee issued the 2018 1st Quarter Newsletter as a pilot step of transparent reporting. We are looking for leaders for the public affairs team to manage the editing and publishing of regular newsletters that embrace all news and project reporting of all Committees.

In January 2018, the Board of Directors and Committee Heads conducted the Retreat 2018 Session 1. I would like to highlight the two conclusions and share them with our members, which are: "Project, is the driver of sustainability and growth"; and "Relationship, expectation management and openness are the success factors".

After the participation of the EWB-International Global Forum in 2017, we have stepped up the relationship development with suitable NGOs / social services organizations and tertiary education institutions in Hong Kong, and also extended it to those organizations or serving Cambodia, Malaysia, Myanmar, Singapore and UK.

In the coming future, let's take action and enjoy the forthcoming ventures hosted by EWB-HK. Meanwhile, we shall better equip our pro bono engineers and volunteers with capacity and experience, together with a pragmatic and win-win attitude, to tackle the sustainable development challenges ahead, and to serve the communities in need.

Ir Edward CW Chan  
Chairman of Engineers Without Borders Hong Kong 2017-2019  
10 October 2019

**ENGINEERS WITHOUT BORDERS  
HONG KONG**

**Hong Kong Projects**

**Squatter Houses**

**鯉魚門 Lei Yue Mun HONG KONG 2017**

Building safety and environmental survey (Partner CSC set up a new team and invited EWB to support Kwun Tong & Wong Tai Sin districts in 2018)

Summer 2017 EWB-HK Hong Kong Projects Committee

**Preliminary Design**

Technical Advisory Services to Social Workers for Public Drainage Infrastructure Serving Squatter Area 2017

**鯉魚門 Lei Yue Mun HONG KONG 2017 ~**

Drainage infrastructure advisory to communities

**Hong Kong Projects**

**Community**

Summer 2017, volunteers participated in a series of demographic, household safety and environmental survey in Lei Yue Mun squatter area. In the 5 survey sessions, a total of 25 volunteers from EWB-HK together with the social workers from Christian Family Service Centre (CFSC) and other participating volunteers visited local residents' homes. Apart from the survey, our volunteers also conducted preliminary investigation on the risk and damage in the building interior and exterior, as well as the public area and municipal facilities that serve the local people.

**Squatter Houses**

**BE A CHANGE MAKER TACKLE THE GLOBAL CHALLENGES**

**SUSTAINABLE DEVELOPMENT GOALS**

Join the GLOBAL citizen leader programme

**EWB GLOBAL CITIZENSHIP PROGRAMME 2018-19**

**Programme Goal:**  
To provide a platform for future engineering leaders to explore the global challenges, to serve the society proactively with global vision, and hence to contribute to the sustainable development goals as global citizens.

Information Package: [LINK](#) or scan the QR Code  
Application: [LINK](#) or scan the QR Code  
Enquiry: [@EWB-HK](#)  
Application Deadline: 25 November 2018

**EWB Global Citizenship Programme**  
is a programme organized by the Engineers Without Borders (Hong Kong) with the supports by the programme partners and supporters.

Programs by young persons led organized by the Engineers Without Borders Hong Kong

**GLOBAL ENGINEER**

Engineers, who possess technological solutions to global development problems and challenges, play an important role in promoting sustainable development and implementing innovative solutions.

Embed United Nations SDGs in engineering and science education, and strengthen socio-economic environmental mindset in engineering to prepare our future engineers to face Global Challenges.

Engineering and science students graduating today will work locally and globally. It is important to prepare students graduating today for global engagement and the mindset of **Global Engineer**, ready to new challenges in the 21<sup>st</sup> Century.



Global  
Engineer



EWB  
HK

Engineers  
Without  
Borders

Humanitarian  
Engineering



Join us  
as Volunteer

Thank You!!