

Annual Report 週年報告

2020 - 2021

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)

December 2021
2021年12月

founded in 2008

member organization of the
Hong Kong Council of Social
Services



an independent,
non-political and
non-religious organization

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

**Engineers Without
Borders
Hong Kong**

member
organization of EWB-
International



non-governmental
organization (NGO)

volunteer-based
organization

members & volunteers
from diversified
backgrounds

Our Missions

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

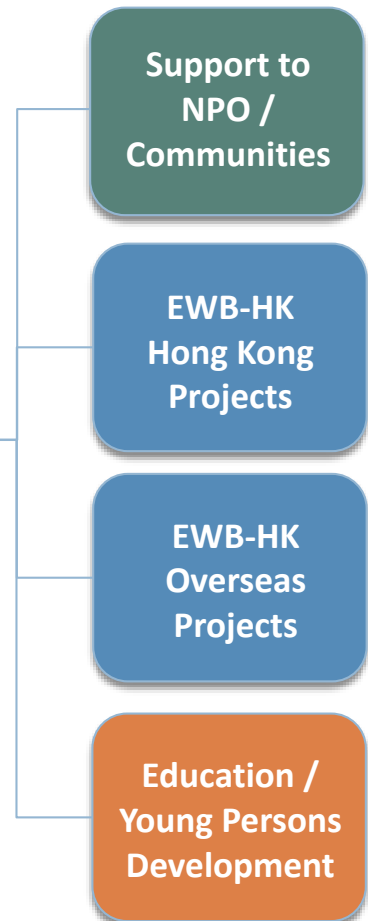
Promote
sustainable
development

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. In the coming year, we are intending to strengthen the capability of corporate governance, so as to improve the quality of services and collaboration with our stakeholders.

2019-21 BOARD OF DIRECTORS (VOLUNTEER BASIS)

CHAIRMAN

Ir Edward Chan

DIRECTOR

Ir Dr Horace Mui

Ir George Cheng

Mr Raymond Lopinski

Mr Raymond Wan

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.

EXECUTIVE COMMITTEE

CHAIR, HONG KONG PROJECTS COMMITTEE

Mr Manuel Kwong

CHAIR, OVERSEAS PROJECTS COMMITTEE

Mr Sam Chan

SECRETARIAT

IT WORKING GROUP (WEBMASTER) LEAD

Mr Lee Siu Hoi

COMMUNICATION MANAGER

Ms Camise Wong

EXECUTIVE

Ms Samantha Ho

Our Advisors

LIFE ADVISOR

Ms Susanna Tam

HONORARY ADVISOR

Prof. Lee Chack-fan, GBS, JP
- Vice Chairman, Chu Hai College of Higher Education
- Chair Professor (Geotechnical Engineering), Department of Civil Engineering, The University of Hong Kong
- Former Vice-President, The University of Hong Kong
- Former Director, HKU SPACE

Prof. Stephen S.Y. Lau
- Professor, Department of Architecture, National University of Singapore
- Former Associate Dean, Faculty of Architecture, The University of Hong Kong

ADVISOR (VOLUNTEER TRAINING)

Ms Doris K.H. Wong
- Former Head (Culture, Sports & Arts Division), Hong Kong Playground Association

Mr Raymond C.W. Yeung
- Manager (Culture & Arts Services), Hong Kong Playground Association

LEGAL ADVISOR

Ms Kitty Ng

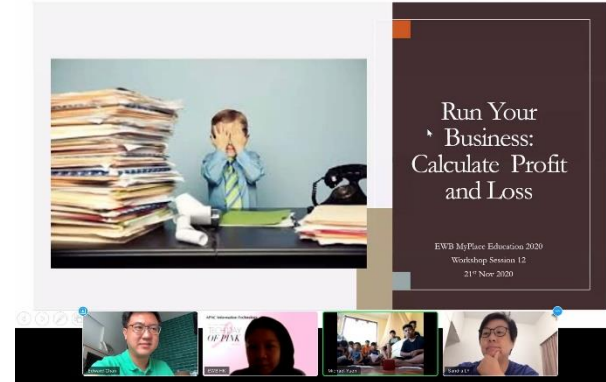
EWB-HK operation under Covid-19

New normal...

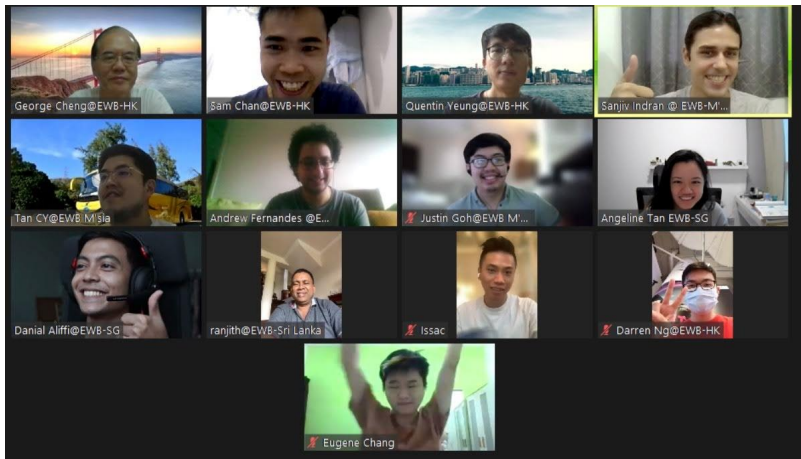
- Face-to-face events with masks and social distancing
- Online events



Workshop



STEM on-class to Myanmar children



Online OC Meeting of EWB-Asia Network



HONG KONG

Oct 2020

River & Farmland Flood Mitigation
Engineering Project
河道及農田水浸改善工程項目

Partner with

Hong Kong Countryside Foundation

Team members from EWB-HK Hong Kong Projects
Committee, Young Members Group and EWB Global
Citizenship Programme

Lai Chi Wo 荔枝窩



Next stage of River & Farmland Flood
Mitigation Engineering Project
2022

(now in preparation)

河道及農田水浸改善工程項目 2022

HONG KONG

Mar 2021

Yim Tin Tsai 鹽田梓

Yim Tin Tsai Village
Revitalization Project
河道水浸改善工程項目

Partner with
**The Salt & Light
Preservation
Centre Limited**



HONG KONG

Mar 2021

Yim Tin Tsai
Village
Revitalization
Project
河道水浸改善工程項目



Yim Tin Tsai 鹽田梓



HONG KONG

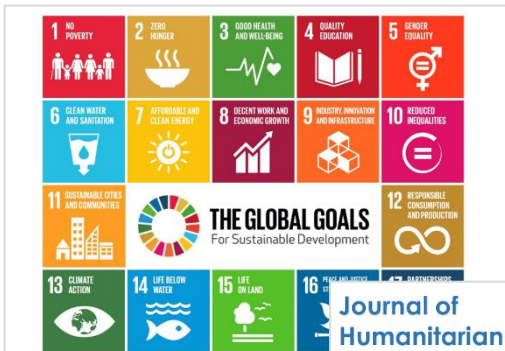
Mar 2021

Talk delivered - EWB sharing in CityU

Engineers in Society

The Movement of Humanitarian Engineering ...the presence of EWB

Invited Speaker: Ir. Edward Chan
 Date: 10 March 2021
 Time: 3:00 p.m.
 Mode of Lecture: online

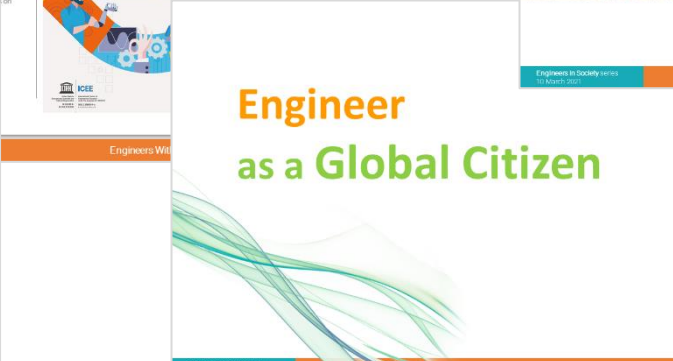


Journal of Humanitarian Engineering

The Journal of Humanitarian Engineering is an open access publication that publishes outcomes of research and field experiences at the intersection of technology and community development.

The field of "humanitarian engineering" describes the application of engineering and technology for the benefit of disadvantaged communities. The field spans thematic areas from water to energy to infrastructure; and applications from disability access to poverty alleviation. The JHE aims to highlight the importance of humanitarian engineering projects and to inspire engineering solutions to solve the world's most pertinent challenges.

<https://the.ewb.org.au/index.php/the/issue/archive>



HONG KONG

June 2021

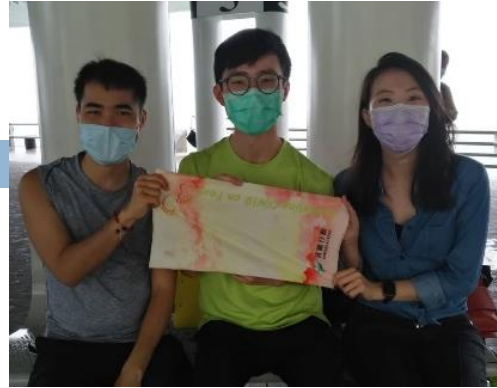
**SDG Game
for
CGP participants,
EWB volunteers
and friends of EWB**



HONG KONG

June 2021

EWB-HK as supporting organization for Sowers Action's fundraising event



尼泊爾緊急救援

用腳抗疫
Combating COVID on Foot

尼泊爾疫情來勢洶湧，我們關風雨不改，以720小時馬拉松式接力跑步、步行、輪椅代步等，為尼泊爾籌款，希望你參與支持。

小時

720

參加活動

路線：
尖沙咀鐘樓來回沿海濱大道至千禧新世界香港酒店對面 (單程約1.8KM)

活動形式：

- 跑步、步行或輪椅形式
- 720小時內都有參加者在路線上行走
- 參加者可在活動日期內的任何一天或多天，選擇任何時段，最低參與時間為1小時
- 參加者可以個人或團隊形式參與，團隊可以一起作伴參與，或每人行走一小時的接力形式進行
- 因疫情關係，最多只可以四人一同出發，如相同時間的報名人數超過四人，本會將聯絡閣下協商，作出微調

Engineers Without Borders (Hong Kong) Annual Report 無國界工程師(香港) 週年報告 2020 - 2021



Combating Covid on Foot

Nepal COVID Relief Fundraising Challenge

「用腳抗疫」

為尼泊爾抗疫籌款



苗圃行動
SOWERS ACTION

善者無疆 創建大同世界

We Sustain a Better Wealth Equality World



Members of opposition parties and social movements protest against President Jai Bahadur's handling of the pandemic. (Photo: AFP)

...the shortest time possible and change that scenario that has plagued us for over a year." While doctors and residents should get any shot available, Shrestha's concern has a far lower efficacy rate than other vaccines, and President Jai Bahadur has not "single-mindedly" seen its usage nationwide thanks to rare hand-...
...to arrive later this year. But to now, experts say Brazil's...
...2,500 deaths in the uncoordinated...
...with over 170 million infections and...
...in rates that in some countries...
...in deaths, reaching 100,000...
...less than two months after crossing...
...the 600,000 mark.

AS SECOND WAVE BATTERS THEIR HOMELAND, NEPALES IN HONG KONG LOOK TO HELP

...able to turn a blind eye to the worsening...
...Covid-19 crisis in Nepal. Sanjaya Rai is...
...determined to help.

Rai, 37, who came to Hong Kong from Nepal...
...in 2004, lives with his parents while pursuing a...
...master's degree in mechanical engineering at...
...Polytechnic University.

But Rai worried about his relatives in Nepal...
...as the pandemic there worsened. Watching the...
...virus spread across the country, killing...
...thousands and leaving hospitals overcrowded, he...
...decided to take action.

Rai and another Nepal approached the...
...Gurkha Community Trust, a local charity...
...dedicated to promoting Gurkha culture in Hong...
...Kong, and initiated a campaign hoping to raise...
...HK\$300,000 by the end of this month. The...
...money will be used to purchase much-needed...
...medical equipment for Nepalese hospitals.

"We are safer in Hong Kong, so why not do...
...something for Nepal?" he said. "My family...
...delivered their pieces of medical equipment to...
...each hospital, we can help save lives."

The second wave of Covid-19 infections has...
...hit Nepal hard, and the Himalayan nation of...
...over 28 million people has struggled with a...
...shortage of medical supplies and vaccines. Nepal...
...has so far recorded more than 400,000...
...infectious and 8,000 deaths.

Anand Rai, secretary of the Gurkha...
...Community Trust, said the money would buy...
...ventilators and oxygen concentrators for...
...hospitals in Nepal. The fundraiser, which...
...started at a cost of about HK\$30,000 - had...
...already been shipped to Nepal, Rai said.

Hong Kong is home to nearly 25,000...
...Nepalis, and as the vaccination back home...
...slowed the local community into action, their...
...neighbors here stepped in too. Anand had...
...more than 60 per cent of the money raised so...
...far was donated by Chinese Hongkongers.

"Hongkongers are generous," he said. "This...
...fundraising has also helped bring diverse...
...groups of people, including us Nepalis and local...
...Chinese, together."

Anand Rai, 41, who came to Hong Kong in...
...1993, said his generation would continue...
...working to support Nepal's recovery after the...
...pandemic was over by funding mental and...
...social support initiatives there.

India's June 4 with the support of the country's...
...consulate and Dr Namso Budhra Mother...
...Committee Centre Nepal (MCCN) Limited, she...
...she hoped to raise HK\$100,000 by July 24 and...
...donate the money to the Nepalese government...
...to purchase medical supplies. "They didn't...
...have medicines. They didn't even have...
...Paracetol. That made me cry," she said.

If the pandemic situation in Nepal improved...
...before then, she said, the money would go...
...to Nepal's social services in Hong Kong instead.

Lei Chu Tsz-ho, a district councillor for Yau...
...Tsim Tsing, which is home to many Nepalis, said...
...she would like to see the city's Indian community, which...
...had prominent leaders who launched several...
...fundraisers, the less visible Nepalese...
...community face difficulties raising money...
...not only among particular countries are facing...
...the pandemic, but many small countries are...
...also suffering," he said.

Fiona Sun



Chandragiri Municipality Primary Hospital
Thakur, Kathmandu, Bagmati, Nepal

Regd No.: 150 Date: May 25, 2021

To: Sowers Corp Hong Kong
Cc: Sowers Action

Subject: Medical Items Received Memo

Through the fraternal support of Sowers Action Hong Kong - China and Sowers Corp Hong Kong, we received following materials:

Material's Name:-

1. PPE, Face Mask, Shoe Cover, Surgical Cap and Medical glove - 35 sets
2. 5000 Mask - 1 Medical Mask - 100 pieces
3. Sanitizer - 52 liters
4. Tissue Paper - 50 boxes
5. Tissue Paper - 50 rolls
6. Tissue Paper Mask - 1000 pieces
7. OR Goggles - 30

We would like to thank you on behalf of our Hospital Administration for donors and supporters.

[Signature]

Dr. Shivash Acharya
Medical Officer
Chandragiri Hospital, Thakur,
Kathmandu, Nepal

Phone: 01-4315016 E-mail: primaryhospitalthakur@gmail.com



HONG KONG

July 2021

HKCSS

Environmental project x Community collaboration



HONG KONG

August 2021

EWB-HK as partner organization for Sowers Action's fundraising event



[Official] 苗圃行動 Sowers Action 1h

【緬甸製氧機，愛要及時】

製氧機才剛抵緬甸，已經馬上有緊急需要的人來申請借用，還幸家屬傳來病人情況已經穩定的消息。生命是爭分奪秒，拯救刻不容緩。... See more



無國界工程師 Engineers Without Borders hongkong 苗圃行動 SOWERS ACTION

On 25 July 2021, Myanmar government announced that the local COVID-19 diagnosis rate was around 40%, but the figure is expected to be worse.

Myanmar Relief Fund

Urgent need for Oxygen Concentrators. Save life with us!

THE FUND RAISED WILL BE FULLY UTILISED:
10L Oxygen Concentrator, Masks, Transportation

The pandemic is raging in Myanmar, and medical treatment is at a standstill. Myanmar people can only practise self-quarantine at home after being diagnosed and expect to recover on their own. In fact, the volume of local testing is low, and the lack of oxygen concentrators and medical care is severe. There are confirmed cases in all of Myanmar's cities and towns; assistance from others is required.


'Sowers Action' collaborates with 'Engineers Without Borders (Hong Kong)' to jointly hold a fundraising campaign to purchase Oxygen Concentrators and pandemic prevention equipment.

Oxygen Concentrators will be purchased directly from the mainland and delivered to a cooperative charity organization in Yangon, Myanmar. The local cooperative charity will then be in charge of deploying resources to local communities in need as well as the local engineering society groups. When the patients' condition improves, the resources will be loaned to other recipients, allowing them to be used more effectively.

Furthermore, the Dragon Gate Education Fund (HK) Ltd. has agreed to donate one Oxygen Concentrator for every one donated by the public (up to 100 units). The 10L Oxygen Concentrator, which costs HK\$7,700, is crucial to save the lives of dozens of people. Please show your support!

HK\$7,700 = 10L Oxygen Concentrator = 2 Lives SAVED at a time!

'Sowers Action', which has extensive experience in overseas and Mainland China assistance, is in charge of coordinating procurement and transportation. The 1st Oxygen Concentrator has been arrived Yangon city in late July and more to be delivered to those in risk by the end of August. Please make your donation through the following online donation platform by the end of August 2021. Following the completion of the donation period, a financial report will be provided.
Donation Platform: <https://sowers.hk/d-025/>
Enquiry: enquiry@sowers.org.hk; info@ewb.hk


Established in 1982, Sowers Action is a non-religious, non-political and non-profit-making charitable organization in Hong Kong, committed to promoting educational development and supporting livelihood needs, including school construction, student sponsorship, teacher training, children's home operation and community development, to help disadvantaged groups around the world. Sowers Action is exempt from tax under Section 88 of the Inland Revenue Ordinance (IRO/82/355).

Engineers Without Borders (Hong Kong) (EWB-HK) is an independent and charitable organization in Hong Kong. Founded in 2008, EWB-HK is a member organization of EWB-International, member organization of The Hong Kong Council of Social Service, an approved charitable institution in Hong Kong, which is exempt from tax under Section 88 of the Inland Revenue Ordinance (IRO/81/37).

HONG KONG

August 2021

無國界工程師
Engineers
Without Borders



苗圃行動
SOWERS ACTION

緬甸官方於今年7月25日公佈當地新冠確診率為約40%，現況極為嚴重。

緬甸緊急醫療援助 WE NEED YOU
急需製氧機 懇救當地 COVID-19患者



緬甸衛生部7月25日發佈的疫情統計，緬甸全國累計確診已達約27萬人，但當地檢查能力低，每日實際可檢測量只有約15萬，確診率卻達5.657人(確診率36.8%)。



HK\$7,700
= 10L 製氧機
= 同時拯救2條生命!



**籌得款項全數資助：
10升製氧機、口罩、運輸**

緬甸疫情肆虐，醫療癱瘓，確診後，緬甸人民只能自我家居隔離，期待自行康復。而事實上，當地檢測量低，缺氧缺醫情況甚為嚴重，緬甸全國各城鎮都有確診個案，必須外界的援助。

「無國界工程師(香港)」與「苗圃行動」多次合作，屢創佳績，現共同發起籌款購買製氧機及防疫設備，請大家支持！

製氧機將於內地採購並直接送到緬甸仰光市的合作慈善機構，減省成本。當地合作慈善機構隨後負責借給當地有需要的社區及當地工程師學會團體。待受助人病情緩和後，再轉借予其他受助人，以有效運用資源。

另外，您每捐一台，即可多配一台(資金由香港龍門勵學基金會捐助；上限100台)，助力加倍。10升製氧機運送和清關費用為HK\$7,700。製氧機能重複使用，HK\$7,700的捐助可止救幾十人？懇請您伸出援手，大力支持。

屢次活動由具資深海外及內地援助經驗的「苗圃行動」負責統籌物資採購及運輸工作。第一部製氧機已於7月下旬送抵仰光市。請於2021年8月底前，於以下網上捐款平台捐款，以採購更多製氧機並送到疫區。活動完結後將提供活動財務報告。

捐款平台：<https://sowers.hk/d-025/>

查詢：enquiry@sowers.org.hk; info@ewb.hk

「苗圃行動」於1982年在香港註冊，是一個非宗教、非政治、非牟利的慈善機構，致力促進教育發展及支援民生需要，如興建學校、學生資助、研習培訓、營運兒童之家及社區服務等，幫助世界各地的弱勢社群。「苗圃行動」為香港稅務條例第八十八條認可之慈善機構(IRC81(2)(b)).

「無國界工程師(香港)」EWB-HK 是一個在香港註冊的獨立、非宗教、非政治慈善組織。EWB-HK 成立於2008年，現時為「國際無國界工程師」會員機構，「香港社會服務發展局」會員機構。EWB-HK 為香港稅務條例第八十八條認可之慈善機構(IRC81(2)(b)).



部份製氧機前天到了緬甸，昨天開始分發給有需要的人借用

愛緬訊息：昨天收到的製氧機，隨即就有緊急需要的人來申請，病人的情況今天穩定了，真是爭分奪秒喔。



HONG KONG

Sept 2021

EWB-HK Urban Sustainability Team

Transitional Housing Idea Sharing




Urban Sustainability




EWB-Urban Sustainability
Transitional Housing Idea Sharing 2021

*How can we face with limited Houses ?
Any alternative or innovative housing ideas ?*



JOIN US and other likeminded pro-bono built professionals volunteers to brainstorm ideas and implement missions. Our young built-environmental professionals will share Transitional Housing operational model and insight into bringing together community empowerment.

Date: 4 Sept 2021 2pm-3pm
Venue: 3/F, HK Playground Association I+Plus D&E Centre , 38 Nelson St, MK (Room to be confirmed).
Application: <https://forms.gle/eZmxjHFK8B6E2bbW6>
Contact: samchan@ewb.hk / 62317504
Website: www.ewb.hk



HONG KONG

Oct 2021



Engineers Without Borders (Hong Kong)
invites you to

EWB-HK AGGREGATION DAY

The Young Changemaker -
Navigate a Post Pandemic World

23 October 2021 (Sat); 7-9pm

Venue: HK Playground Association, Mong Kok

- Max 50 people
- Cantonese/ English
Register at:

<https://forms.gle/Y3V8BxrfSvcmXvz16>



Enquiry:
Camise: camisewong@ewb.hk
Samantha: samanthaho@ewb.hk

A valuable
opportunity for
volunteer gathering!



EWB-HK Global Citizenship Program 2021 EWB全球公民計劃 2021

Program Content

- Combined ZOOM/Face-Face Workshops (27 Hrs)
- 5 Local Community Service Excursions (21.5 Hrs)
- STEM Education ZOOM classes for My Place Children in Myanmar (6 Classes @ 2 hrs each)
- Award Ceremony



Diversity

25 Students
 14 Females / 11 Males
 5 Universities
 2 Continents
 7 Countries
 9 Engineering Disciplines
 3 Science Disciplines



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

Supporting Organizations GCP21:



GCP21 – Learning Stages

Stage 1: Build Up Stage (Workshop Learning)

1. Orientation, Introduction, Overview
 - A. Self Introduction; Program Overview
 - B. Cross-Culture Communication
 - C. Desktop Research Topics
2. UN SDG Introduction and HK Sustainability
3. Desktop Research Topics
4. STEM Education and My Place Introduction
5. Local Issues – HK Poverty and Global Inequality
6. Problem Analysis
7. Mental Health and Wellness
8. Leadership and Soft Skills



Stage 2: Experiential Learning Stage -Exploration

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

1. Mui Wo Circular Economy
 - Town Recycling; Eco-Farming; Bamboo Construction
2. ImpactHK – Homeless
3. Zero Carbon Park and MIC
4. Crossroads International
5. SDG 2030 Challenge

International – STEM Classes, Myanmar

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

**Community Service
Appropriate Technology
Awareness
Network Building
Capacity Building**

WS7 – Mental Health / Wellness



It's great having a Sharing session on stressed out experiences with our peers because we have those experiences.

I was struggling with anxiety lately, and it was helpful to understand that mental issues of people are treated with care by the culture of speakers of this workshop. It's just not in the mentality of people in my country. So, I was quite impressed and happy to see that it's different in the other part of the world.



WS8 – Leadership

With JLL & Dr Richard Claydon – EQ Lab

Important Qualities in a Leader



Very informative and filled with tools and lessons.

I liked a lot the panel session. It was interesting to hear great and experienced minds.



GCP21 – Waste Reductions and Circular Economy; Bamboo Construction HKCS1- Mui Wo Community



Mui Wo – Waste-No-More
Community Recycling



There are still very little assistance to the recycling situation in Hong Kong by the government

I want to compost too

Replace unsustainable materials with bamboo more



Winnie the Farm



B Lab – Bamboo Workshop



Very hands-on and not boring.

Community
Service
Appropriate
Technology
Awareness

GCP21 – Impact HK Homeless (Kindness Walk) HKCS2



Not only shelter, the community is also important to the homeless



A little shocking. I never notice that there are so many homeless people on the street and their living environment is so bad



Don't judge. Humans with stories. Just like us. Needs help, with no judgement.



“By reaching out through kindness, **ImpactHK** seeks to transform the lives of the homeless – one life at a time.”
Jeff Rotmeyer
(ImpactHK)

**Community Service
Awareness
Capacity Building**

GCP21 – Crossroads International HKCS4



Fun and meaningful day there.



A meaningful volunteering work for the needy



Amazing time and learnt a lot, heard from different perspectives



**Community Service
Awareness
Capacity Building**

GCP21 – SDG2030 Challenge HKCS5

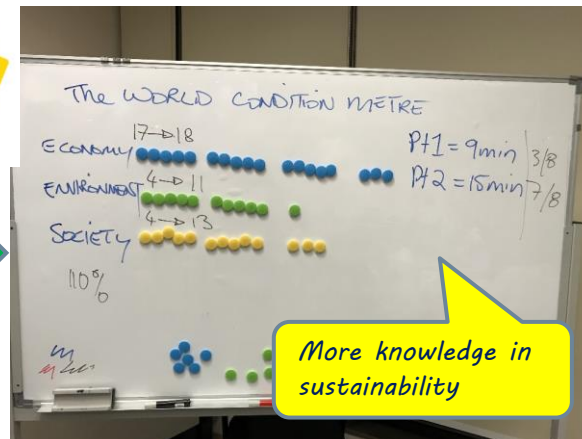
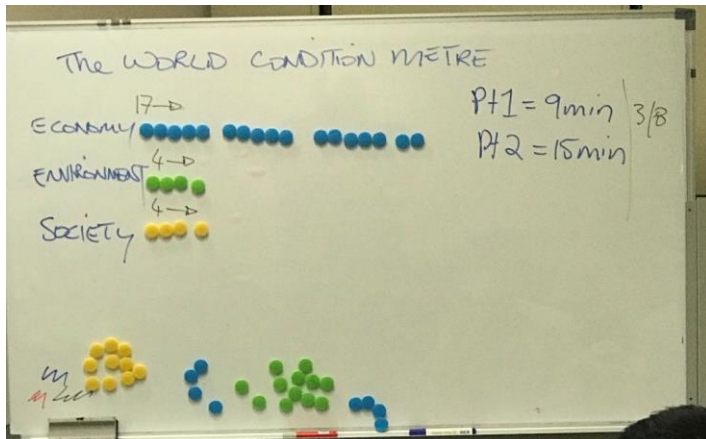
SDG 2030

- The Game simulates taking the “real world” into the year 2030
- It simplifies and makes accessible an extremely complex issue to a level that allows people to begin to understand, while stimulating our natural curiosity to learn more.
- It activates players’ natural instincts to set their aim toward a worthy goal, simultaneously building confidence and making it enjoyable, while inspiring and motivating players to take action in the real world.

Use the limited time to save the world



Collaboration, conversation, understanding



More knowledge in sustainability

Awareness
 Network Building
 Capacity Building

GCP21 – My Place STEM Education (Myanmar Children) Int'l Community Service



The GCP21 was a highlight of my year because of our STEM project to Myanmar kids.

- STEM CLASS TOPICS:**
- TEAM A Wind Power
 - TEAM B Water
 - TEAM C Music
 - TEAM D Probability
 - TEAM E Motion-Newton's Laws
 - TEAM X Solar Energy

Sing together! Show time!



Do-Re-Mi movie clip:
<https://youtu.be/nhLE3UDAnGw>



02:30 - musical scale and make your own!!



Music Video for kids:
 EBS Kids Song - Doremi Song - YouTube

It was a fantastic session. The kids are actually very interested in music... They previously learnt some basic theory like pitch, rhythm, timing, scales. etc... Fantastic to have some of those concepts reinforced by someone else. With new stuff added like pmf that they haven't learnt before. ... Michael (My Place)

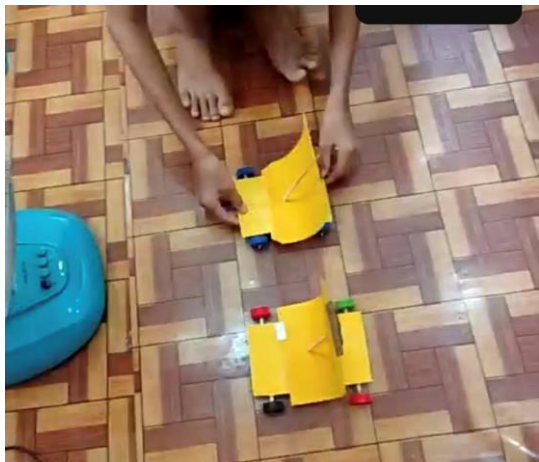


Build a wind power car

Materials:

- Cardboard ကတ်ဆွဲပြား
- Construction paper ဆောက်လုပ်ရေးရုံးကတ်ပြား
- Wooden skewers x 3
- Plastic straws x2
- Plastic bottle caps x 4 ဝှက်ခွံ
- Tape တိပ်ခွေ
- Scissors ကတ်ပြား
- Hobby knife
- Fan

Reference: <https://www.youtube.com/watch?v=ny4vWd-Tqsl-I&list=PLsmcI-ScienceBIM40es>



Covid vaccines: what does efficacy mean?

Total: 50000 people	Catch Covid-19	No Covid-19	Chance of falling sick
Had vaccine	10	24990	10÷25000 = 0.04%
No vaccine (Placebo)	150	24850	150÷25000 = 0.6%

Vaccine efficacy = 100% - (0.04% ÷ 0.6%) = 93.3%

If you get this vaccine, you are 93.3% less likely to catch Covid-19 than if you don't!

Community Service
 Appropriate Technology
 Awareness
 Capacity Building

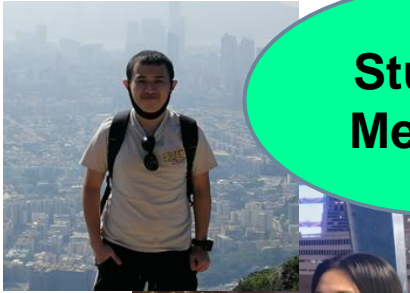
GCP Alumni Continued Involvement

**Student
Mentors**

**GCP and
EWB
Activities**

**Thei
Sharing
Urban Slums
and Health**

**GCP Alumni
Steering
Committee**



GCP21 Participant Comments

"GCP is a wonderful program. I've got to challenge myself all the time and learn new concepts about the world. GCP definitely enhanced student's knowledge and mindset about local and global issues."

"I feel the GCP21 Program brought me away from schoolworks ... and think about the local problems, solution, social issues, etc. These things seems to have no connection to my major, but I found them worth thinking and playing a very important role in everyday life."

"I really recommend to attend this activity because it arises all kind of emotions and challenges your understanding about the global issues. My take away from the program was that we all deserve and need to be treated equal. Even though we are all not equal from our birth because some people have more privilege, we need to be empathetic to our friends in need. I am so glad that there are more conscious and kind people who spread awareness on these issues which are basically tough conversations. So let's make our world a better place to leave to everyone!"

"I'm glad I was able to join EWB, it allowed for me to see what I can and could do. What people are already doing to make a change, and how I could help or improve on "

"GCP21 also cover "non-engineering" aspects such as mental health and leadership (which is important in every field) but I think it's very kind of you to include these as school doesn't."

"Great workshops and activities! I have learned a lot from the workshops, and throughout the mentoring program, I knew more about my career path and future plans."

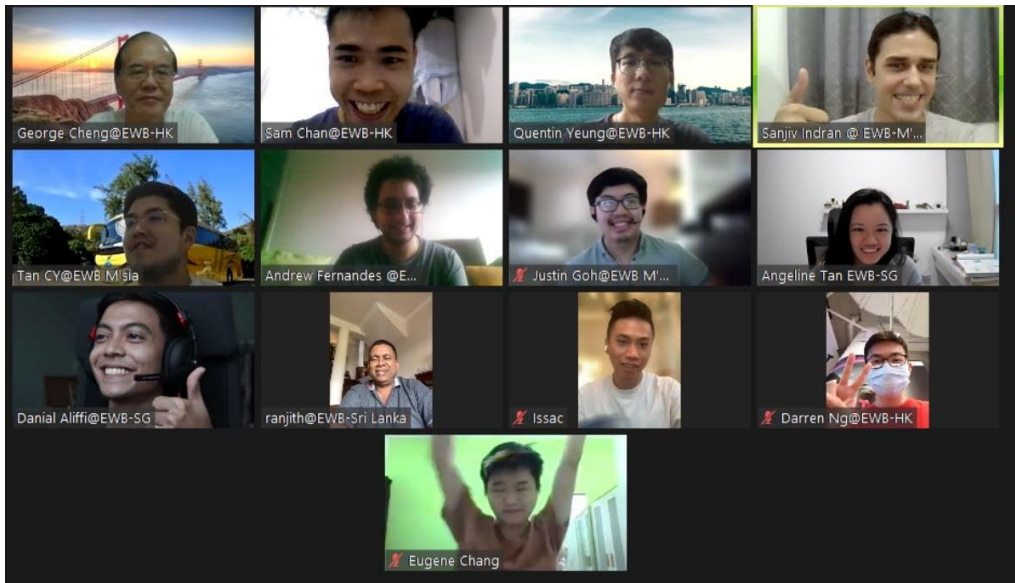
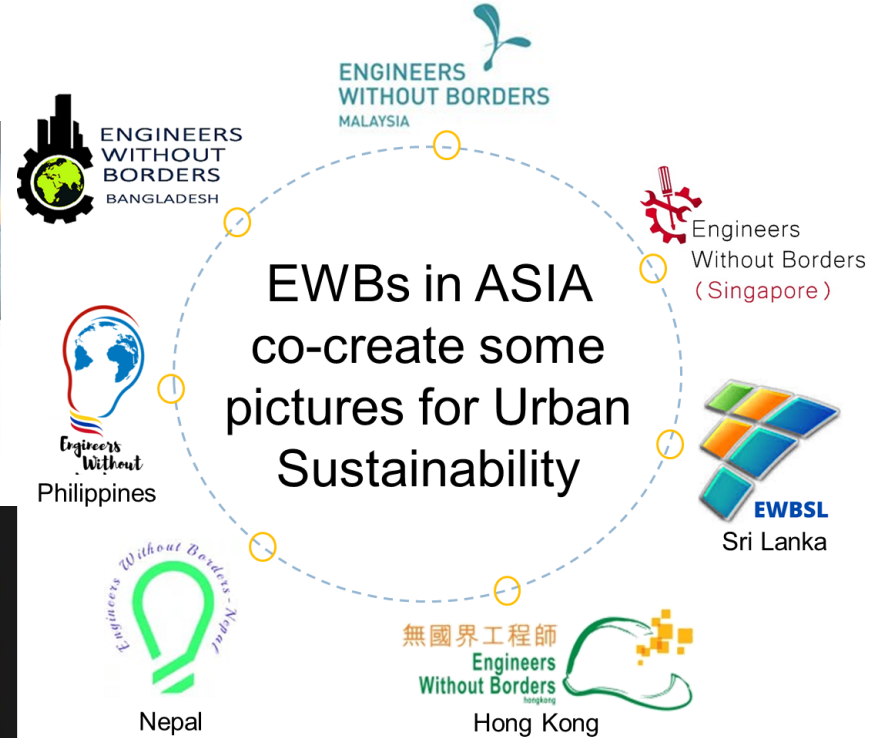
**Humanitarian
Leadership
Learn It
Live It
Become It**

GCP 2020 and 2021 Award Ceremony



OVERSEAS

EWB
 Asia Network



Journal of Humanitarian Engineering

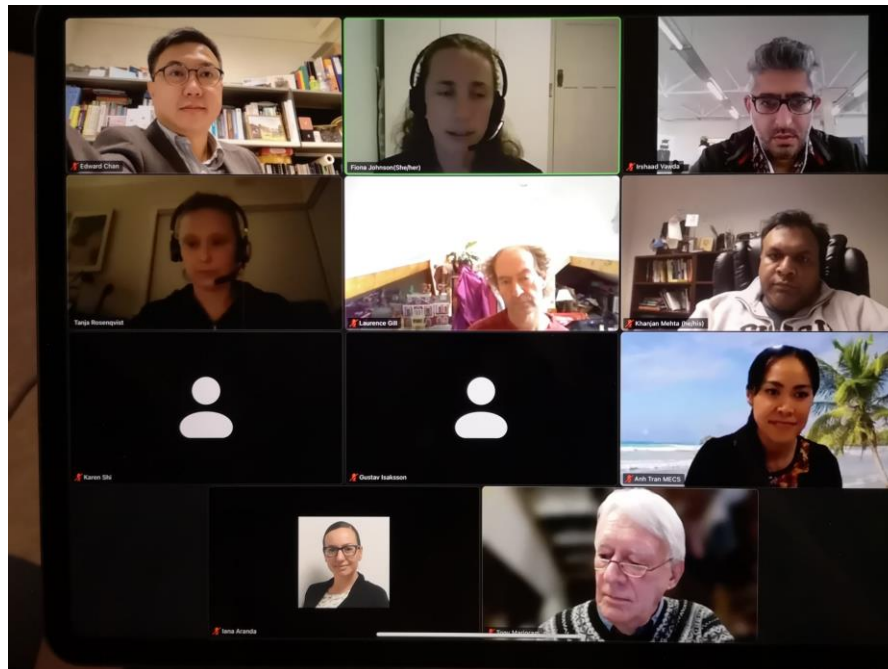
(administrated by EWB Australia)



JOURNAL OF HUMANITARIAN ENGINEERING

The Journal of Humanitarian Engineering is reaching to 10th Anniversary. The editorial team and advisory board members (from Australia, South Africa, Sweden, US and Hong Kong) conducted a discussion meeting on 1 Oct 2021, and discussed the future direction of the journal.

The link to the journal: <https://jhe.ewb.org.au/index.php/jhe>



Long term support to the Hong Kong Social Enterprise Challenge

EWB Hong Kong is one of the supporting organizations to the HKSEC. The enrolment deadline of Hong Kong Social Enterprise Challenge (HKSEC)



HONG KONG

EWB-HK as supporting organization for Build4Asia 2020 Expo



Organizer 主辦機構: **informa markets**

Show Guide 參觀指南

Build4Asia 2020

Featuring 邀請簡介:

- ELEENEX 2020
- BUILDTEK 2020
- SECURITEK 2020

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亞洲創新建築、電氣、保安展覽會
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 Hall 1DE, Hong Kong Convention & Exhibition Centre
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 bSHK  bSHK 型建香港
 Chartered Institute of Housing Asia Pacific Branch 美國特許房屋管理師學會亞太分會

無國界工程師  2020 GREEN COUNCIL 環保促進會    

 RICS  AAP THE ASSOCIATION OF AIR CONDITIONING ENGINEERS 建築師學會 (香港)
 CIOP  CIPHE Chartered Institute of Plumbing and Heating Engineering  CIWEM The Institution of Water and Environmental Management Hong Kong Branch  TEEM SINCE 1982 

 HKFEMC 香港機電工程師學會  PKA  Thei Member of VTC Group VTC 成員

Supporting Media 支持媒體:

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 裝德佳  PRC  Lighthouse

Engineers Without Borders (Hong Kong)

Annual Report

無國界工程師(香港)

週年報告

2020 - 2021



Thank you !

Engineers Without Borders (Hong Kong) Limited

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