

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

1. Project Details

- 1.1 Project Reference No.** : PS182009
- 1.2 Project Title** : Study of Innovative Construction Technologies Applied to Infrastructure Projects in New Zealand
- 1.3 Grantee** : Hong Kong Institution of Engineers
- 1.4 Collaborating Organisation(s)** : Nil
- 1.5 Implementation Agent(s)** : Nil
- 1.6 Sponsoring Organisation(s)** : Nil
- 1.7 Consultant(s)** : Nil
- 1.8 Project Co-ordinator** : (Name) LEE Siew-wei (Post title) Project co-ordinator
- 1.9 Deputy Project Co-ordinator** : (Name) HO Kit-ying, Tony (Post title) Deputy Project co-ordinator
- 1.10 Project Period (duration)** : from 01/01/2019 to 31/10/2019 (10 months)
- 1.11 Major Beneficiary Sector(s)** : Building and construction-related services
- 1.12 Approved PASS Grant (HK\$)** : 147,000

2. Project Implementation

2.1 Project Summary

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

The HKIE Geotechnical Division organised a technical visit to the North and South Islands of New Zealand between 2 and 9 March 2019. The visit is aimed at enriching Hong Kong engineers' knowledge on construction innovations such as artificial intelligence, Building Information Modelling (BIM), automation, drone photography and smart technologies applied to infrastructure projects in Auckland and reconstruction for earthquake resilience after the 2011 Christchurch and 2016 Kaikoura earthquakes. A debriefing session was organised in Hong Kong for sharing professional knowledge from the visit.

2.2 Project Deliverables

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

Agreed Targets		Actual Results Achieved (Please submit copies of all relevant supporting materials, e.g. proceedings, attendance records.)	
Date / Deliverables (with quantity)	Beneficiaries (estimated no. of local / non-local participants)	Date / Deliverables (with actual quantity)	Beneficiaries (actual no. of local / non-local participants)
01/03/2019 to 31/03/2019 6-day visit to New Zealand	3 core members and 22 local civil / geotechnical engineers	2 to 9/03/2019 6-day visit to New Zealand (excluding the flight time)	3 core members and 22 local civil / geotechnical engineers (For Hong Kong professional: 100% of the target met)
01/04/2019 to 30/06/2019 1.5 hour debriefing session in Hong Kong	75 local civil / geotechnical engineers	28/05/2019 1.5 hour debriefing session in Hong Kong	30 local engineers (For Hong Kong professionals: 40% of the target met)

2.3 Project Promotion and Dissemination

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

Agreed Activities	Actual Means Used / Outcomes (Please submit copies of all relevant supporting materials, e.g. posters, leaflets, invitation letters, publications, website printouts, dissemination e-mails, newsletters, feedback surveys and analysis.)
(a) For Project Promotion:	
Website promotion for overseas delegation visit and debriefing	Flyers and invitation emails were sent to the participants. Information was posted on Facebook and HKIE website for promotion. Please refer to attached "Flyer.pdf". https://www.facebook.com/events/1294396077598347
Place advertisement in Hong Kong Engineers Journal to invite participants to join the overseas delegation visit.	All seats were quickly taken up after circulating the flyer by emails. Hence, it was considered not necessary to advertise in Hong Kong Engineers Journal.
(b) For Dissemination of Project Deliverables:	
Publish an article in the Hong Kong Engineers Journal about the overseas delegation visit to	To reach a wider audience, the report has been uploaded to https://firebasestorage.googleapis.com/v0/b/hkieged-org.appspot.com/o/public%2F1584930006183.pdf?alt=media&token=79272a02-0df2-4412-b9b5-5783227fe26f

Agreed Activities	Actual Means Used / Outcomes <i>(Please submit copies of all relevant supporting materials, e.g. posters, leaflets, invitation letters, publications, website printouts, dissemination e-mails, newsletters, feedback surveys and analysis.)</i>
NZ	
Upload the photo/video recordings and all materials developed from the events conducted under this project on HKIE, GD website to widely disseminate the project.	Same as above
Issue electronic notices on above deliverables to the engineering sector by different stages.	Same as above
Compile a Final Project Report on the overseas delegation visit.	Same as above

3. Achievements and Grantee's Evaluation of the Project

3.1 Number of participants and eligible beneficiaries

Project Deliverables	Eligible Number of Beneficiaries (if known)
(i) 6-day visit to New Zealand	3 core members and 22 local civil / geotechnical engineers
(ii) 1.5 hour debriefing session in Hong Kong	30 local engineers

3.2 Feedback from participants / users / professional services sectors

The tour is fantastic and eye-opening
 Best learning experience of my life
 Some short formal discussion sessions among delegates may help facilitate overall understanding
 More discussion time arranged after seminars or visits will be even better

3.3 Dissemination of project deliverables to relevant professionals

Debriefing Seminar held on 28/05/2019 at HKIE Headquarter
 Final report on project outcome uploaded onto the HKIE GD website in Jan 2020
<https://hkiedg.org/public/knowledge-management>

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

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

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

1. Built network with engineers in New Zealand.
2. Participants have shared their experience with colleagues, encouraging others to participate in similar activities in the future.
3. Participants' knowledge on smart infrastructure has been inspired and enriched.
4. Promoted PASS funding scheme to other professional bodies in Hong Kong via circulation of the event flyers using emails, the HKIE website, and social media (e.g. Facebook).

3.5 Overall achievements of the project

Successfully organised a technical visit to New Zealand, improving our Engineers' knowledge on smart infrastructure and helping them build network with engineers in New Zealand. Prepared a Project Report summarising the key learnings from the trip and uploaded it to the HKIE GD website for enhancing professional knowledge of local engineers, and organised a debriefing seminar to share the experience of the technical visit.

The Project Final Report is prepared by the Grantee.