

**Expansion of Hong Kong International Airport into a  
Three-Runway System  
Thirteenth Meeting of Professional Liaison Group  
Notes of Meeting**

The thirteenth meeting of the Professional Liaison Group (PLG) was held on 11<sup>th</sup> July 2024. Airport Authority Hong Kong (AAHK) presented an update on the Expansion of Hong Kong International Airport into a Three-Runway System (3RS) Project and other airport development, a summary of environmental monitoring and audit (EM&A) results, updates on the implementation of the Marine Ecology and Fisheries Enhancement Strategy (MEFES), carbon management and waste management. Members also visited 11 SKIES and were briefed on the new developments.

*Members present:*

Ir Dr Cary CHAN, JP	Green Building Expert
Ir Albert CHENG	Construction Industry Council
Ir Gordon CHO	Dashun Policy Research Centre
Prof Jackson HO	Hong Kong Airline Service Providers Association
Prof Brian KOT	Jockey Club College of Veterinary Medicine and Life Sciences, City University of Hong Kong
Mr Ken LAU	Airports Council International (ACI) Asia-Pacific & Middle East
Ir LEE Ping Kuen	The Hong Kong Institution of Engineers
Ms Richie LEUNG	International Air Transport Association
Dr LUI Sun Wing	The Hong Kong Association for the Advancement of Science and Technology
Mr Simon NG	Business Environment Council
Ir Kenny WONG Siu Wai	The Hong Kong Institution of Engineers
Dr Cynthia YAU	Marine and Fisheries Ecologist

*Members absent with apologies:*

Ir Norman CHENG	Hong Kong Waste Management Association
Prof CHU Ka Hou	School of Life Sciences, The Chinese University of Hong Kong
Prof Alexis LAU	Division of Environment and Sustainability, The Hong Kong University of Science and Technology
Mr Thomas LUI	The American Chamber of Commerce in Hong Kong
Ms Josephine WONG	Ocean Park Conservation Foundation Hong Kong
Mr Philip WONG Wing Hong	Ocean Park Corporation
Prof Ir Steve WONG	Environment & Sustainability Committee, The Hong Kong General Chamber of Commerce

*In attendance:*

Mr Tommy LEUNG	Airport Authority Hong Kong (AAHK)
Mr Peter LEE	Airport Authority Hong Kong (AAHK)
Mr Eden NGAN	Airport Authority Hong Kong (AAHK)
Ms Julia CHAN	Mott MacDonald (MM)
Dr Jasmine NG	Environmental Resources Management (ERM)

## **1.0 Welcome and Introduction**

- 1.1 AAHK welcomed members and thanked them for attending the meeting-cum-visit. Environmental consultants assisting in the implementation of the 3RS Project were introduced. Emphasis was made on the PLG meeting being a two-way communication platform with members encouraged to raise questions and make comments at any time during the presentation.

## **2.0 Presentation by AAHK and their Consultants**

- 2.1 AAHK shared with members updates on the 3RS Project and other airport development, carbon management and waste management.
- 2.2 MM presented implementation status of the Project's EM&A programme, including monitoring results of Chinese White Dolphins (CWDs).
- 2.3 ERM presented latest progress of the MEFES, including marine ecology and fisheries enhancement measures in Lantau waters, the proposed North Lantau Marine Park (NLMP), and the Marine Ecology Enhancement Fund (MEEF) and Fisheries Enhancement Fund (FEF).

## **3.0 Questions and comments from PLG members**

- 3.1 Members raised questions and the discussion items were summarised as follows.
- 3.2 An enquiry was raised on the time frame for the full-scale development of all Airport City initiatives. The AAHK team responded that Airport City projects are making good progress, and the facilities are being completed for opening in phases.
- 3.3 An enquiry was raised regarding the adoption of technologies from Mainland China in the 3RS Project. The AAHK team responded that Mainland Chinese experts have been involved in various aspects in the construction of the 3RS Project including deep cement mixing works for site formation and horizontal directional drilling technology for aviation fuel pipelines diversion, just to name a few.
- 3.4 A suggestion was made to share information on the innovative construction and technologies used in the 3RS Project with the general public and engineering sector. The AAHK team acknowledged the suggestion and expressed that there are ongoing sharing of project-related information, including the adoption of innovative construction technologies, with different stakeholders at different stages of the project.
- 3.5 An enquiry was raised regarding the consideration of male and female toilet ratio. The AAHK team responded that female toilets at the airport in general are larger in size and with more cubicles. Having said that, AAHK utilises big data to monitor airport facilities, including toilet usage, availability of luggage trolleys and taxis, and more.

- 3.6 A question was raised regarding measures to minimise fuel use and CO<sub>2</sub> emission due to the longer taxiing distance from the new North Runway. The AAHK team shared the future take-off and landing arrangement of the three runways and indicated that they will work with Civil Aviation Department (CAD) to optimize runway use distribution.
- 3.7 A comment was raised on the distance between the current Ground Support Equipment (GSE) maintenance area and the 3RS, and enquired about additional GSE area on the reclaimed land. The AAHK team responded that there are spaces reserved for GSEs to support the 3RS operations and AAHK will continuously review the operational needs.
- 3.8 A question was raised regarding the deployed artificial reefs (ARs). The AAHK team responded one hundred units of ARs were deployed in the pilot study in the restricted area of the Hong Kong International Airport Approach Area (HKIAAA), and the units were placed on specially designed bamboo mats with footings to reduce the effects of subsidence of the ARs deployed at the seabed.
- 3.9 A question was raised on cabin waste management initiatives and the potential impact on the turnaround time of aircraft. The AAHK team responded that during the 3-month trial, the flag carrier's flight crews contributed to the separation and there was no effect on turnaround times.
- 3.10 A question was raised on coral transplantation. The AAHK team responded, as a 'beyond statutory requirements' initiative, AAHK completed the first ever large scale gorgonian coral transplantation in Hong Kong in early-2017 and early-2018, and the exercise has been successful and provided useful information for successful gorgonian coral transplantation in Hong Kong waters.
- 3.11 An enquiry was raised on the setting up of visitor centre upon designation of the North Lantau Marine Park. The AAHK team responded that they support the idea and would cooperate with the Agriculture, Fisheries and Conservation Department (AFCD), the regulatory authority responsible for the designation, control and management of marine parks in Hong Kong.
- 3.12 An enquiry was raised regarding CWD monitoring and availability of the monitoring data. The AAHK team responded that the two dolphin experts, Dr Thomas Jefferson and Professor Bernd Würsig, have been closely monitoring the data over the years and would continue to monitor and review how the designation of the NLMP is helping with CWD rebound. EM&A monitoring reports are available on the project web-page.
- 3.13 Regarding future fish restocking exercises, a suggestion was made to release dolphin prey species. The AAHK team responded that white flower croaker had been released as one of the release species in Phase 2 Fish Fry Release (FFR). It was noted that the selection of species to be released depends on local

conditions at the proposed release site(s) and partly on the availability of fish fry at the time of the FFR.

#### **4.0 Conclusion**

4.1 AAHK thanked PLG members for their attendance, insights and suggestions.

Airport Authority Hong Kong  
August 2024