

Legislative Council Panel on Economic Development

Update on the Development of the Three-Runway System at the Hong Kong International Airport

Airport Authority Hong Kong

23 April 2018



Three-Runway System



Construction works of 3RS commenced on 1 August 2016



Third Runway Passenger Building and 57 parking positions

Floor area: 283,000 sq m

Building a new passenger building with more than 280,000 square metres of floor area, a total of 57 new parking positions (frontal: 34, remote: 23) and an apron. When completed, there will be 173 passenger aircraft parking positions (frontal: 112, remote: 61) at HKIA.



New Automated People Mover system

Top speed: 80 km/h



Building a 2,400-metre-long new APM system connecting T2 with the new passenger building. This new APM system takes 2.5 minutes to travel from T2 to the new passenger building. It can transport up to 10,800 passengers per hour.



New Baggage Handling System

Baggage transport speed: 7-10 m/sec

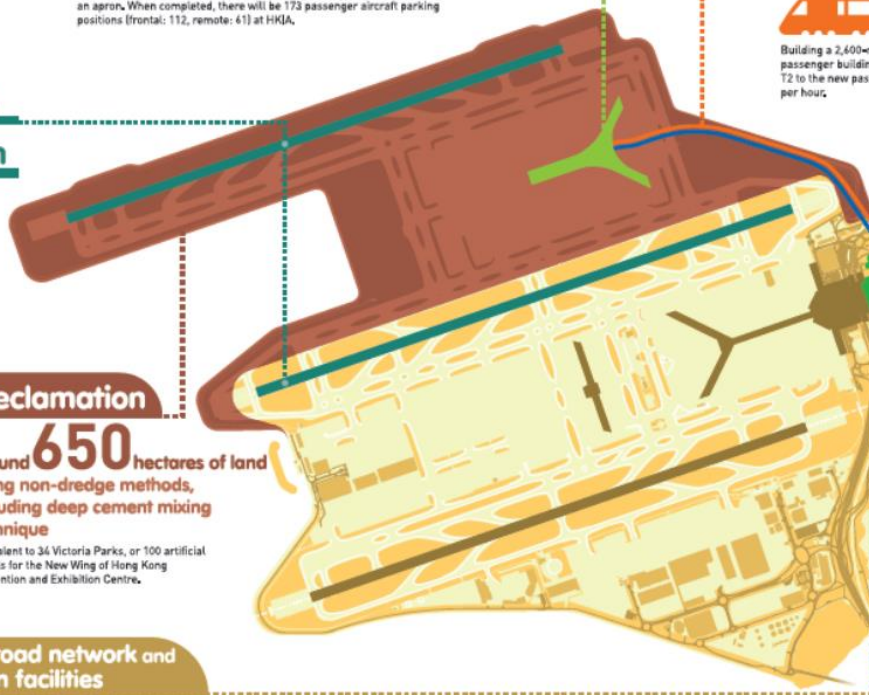


Building a new baggage handling system linking T2 with the new passenger building.

New runway

← 3,800m

Building a 3,800-metre-long new runway and its supporting taxiway systems. The existing north runway will also be reconfigured.



Reclamation

Around 650 hectares of land
Using non-dredge methods, including deep cement mixing technique

Equivalent to 34 Victoria Parks, or 100 artificial islands for the New Wing of Hong Kong Convention and Exhibition Centre.

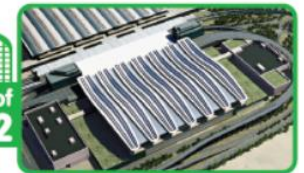
Comprehensive road network and transportation facilities



Expansion of Terminal 2

Providing arrivals, departures and full-fledged passenger services

The expanded T2 and new passenger building will be able to serve 30 million additional passengers annually as stated in the HKIA Master Plan 2030.



Overall 3RS project is progressing on track to meet timeline



Commencement of works in Aug 2016



Commissioning of the new North Runway in 2022



Completion of 3RS



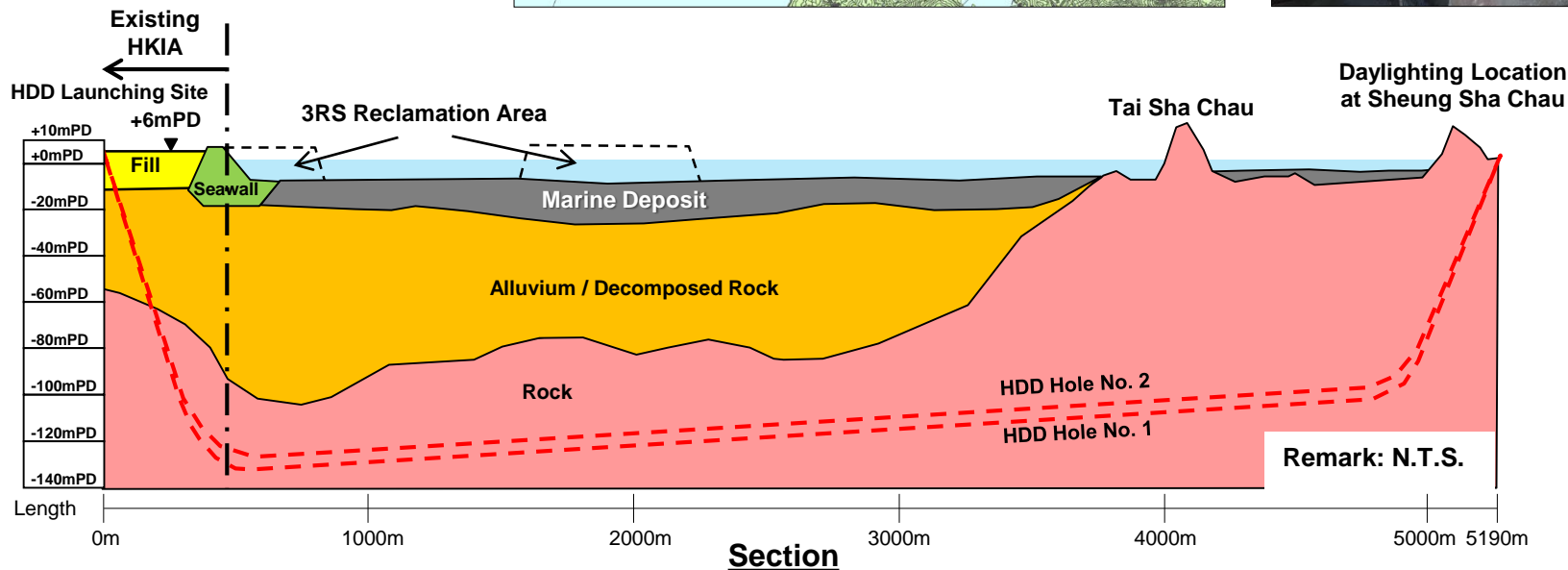


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Three-Runway System Project
Time Lapse Movie

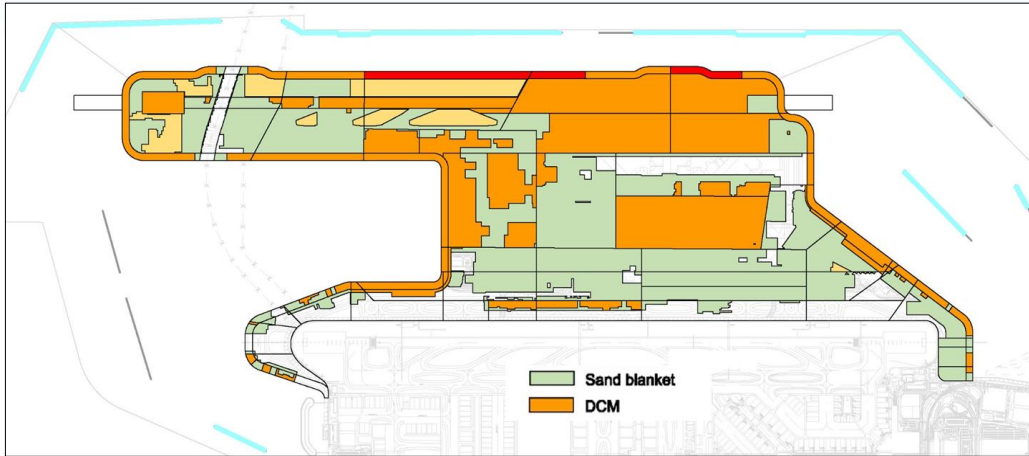
三跑道系統項目
延時攝影視頻

Aviation Fuel Pipeline Diversion Works Substantially Completed



DCM for Seawall Area is Substantially Completed

Seawall Rock Core Placing Commenced



RECLAMATION WORKS - PROGRESS STATUS (AS OF 25 Mar 18)



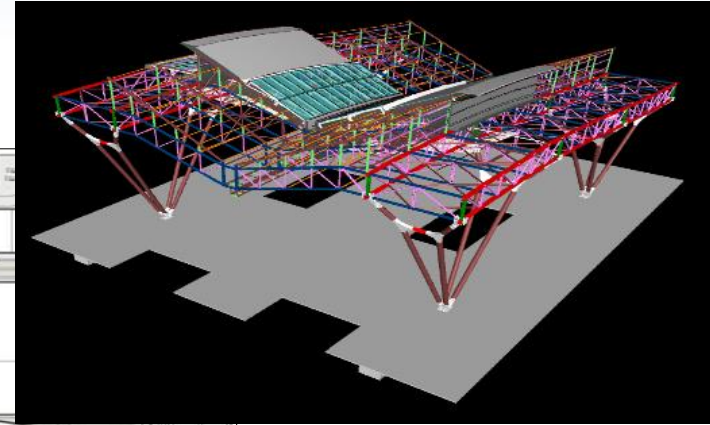
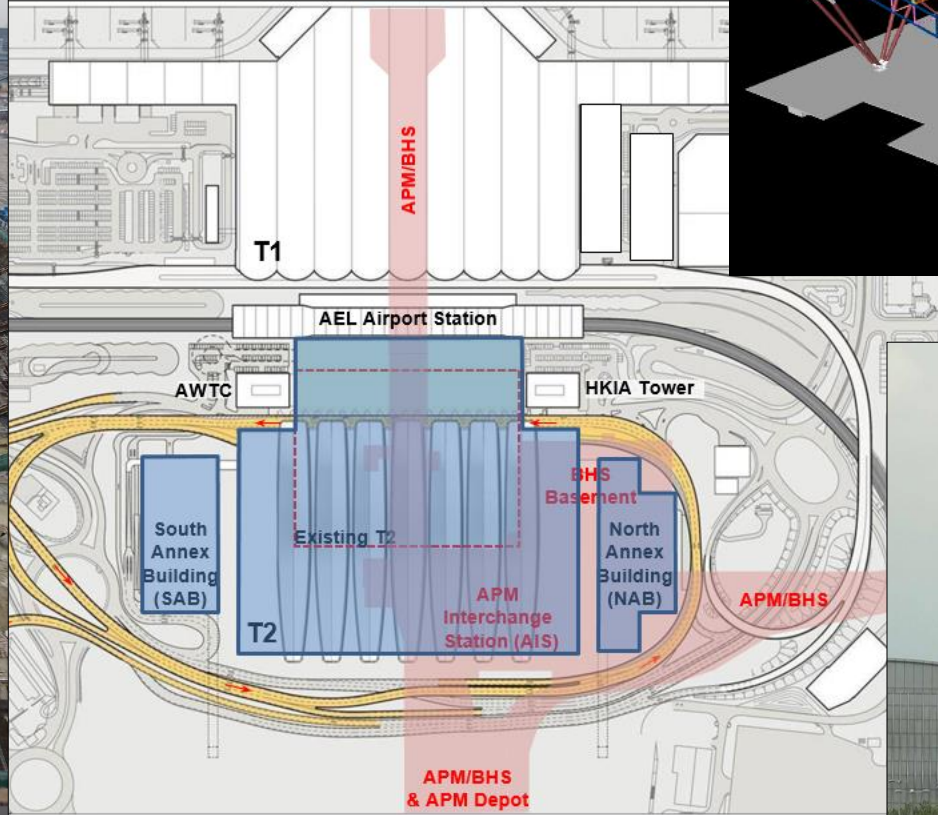
Reclamation Works in Progress



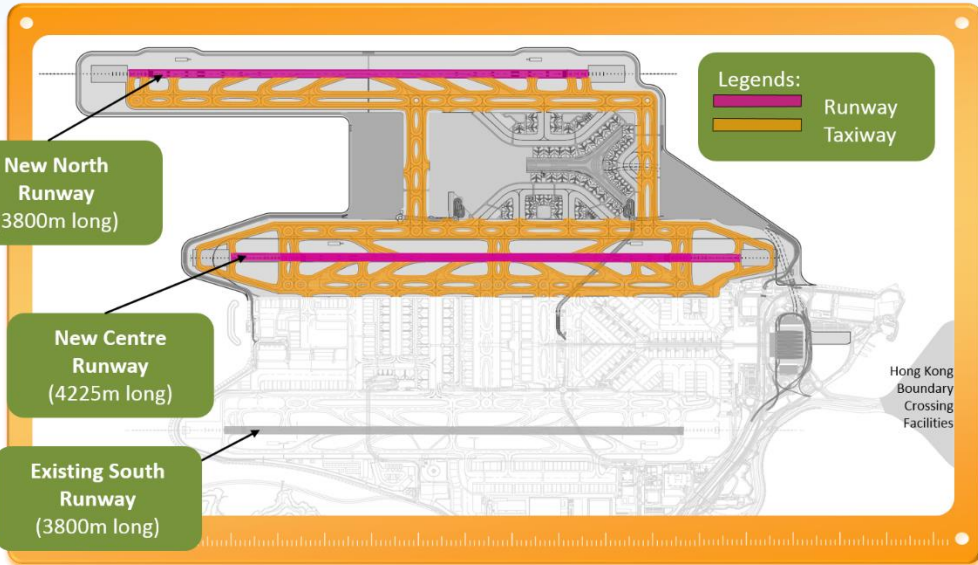
Reclamation Works in Progress



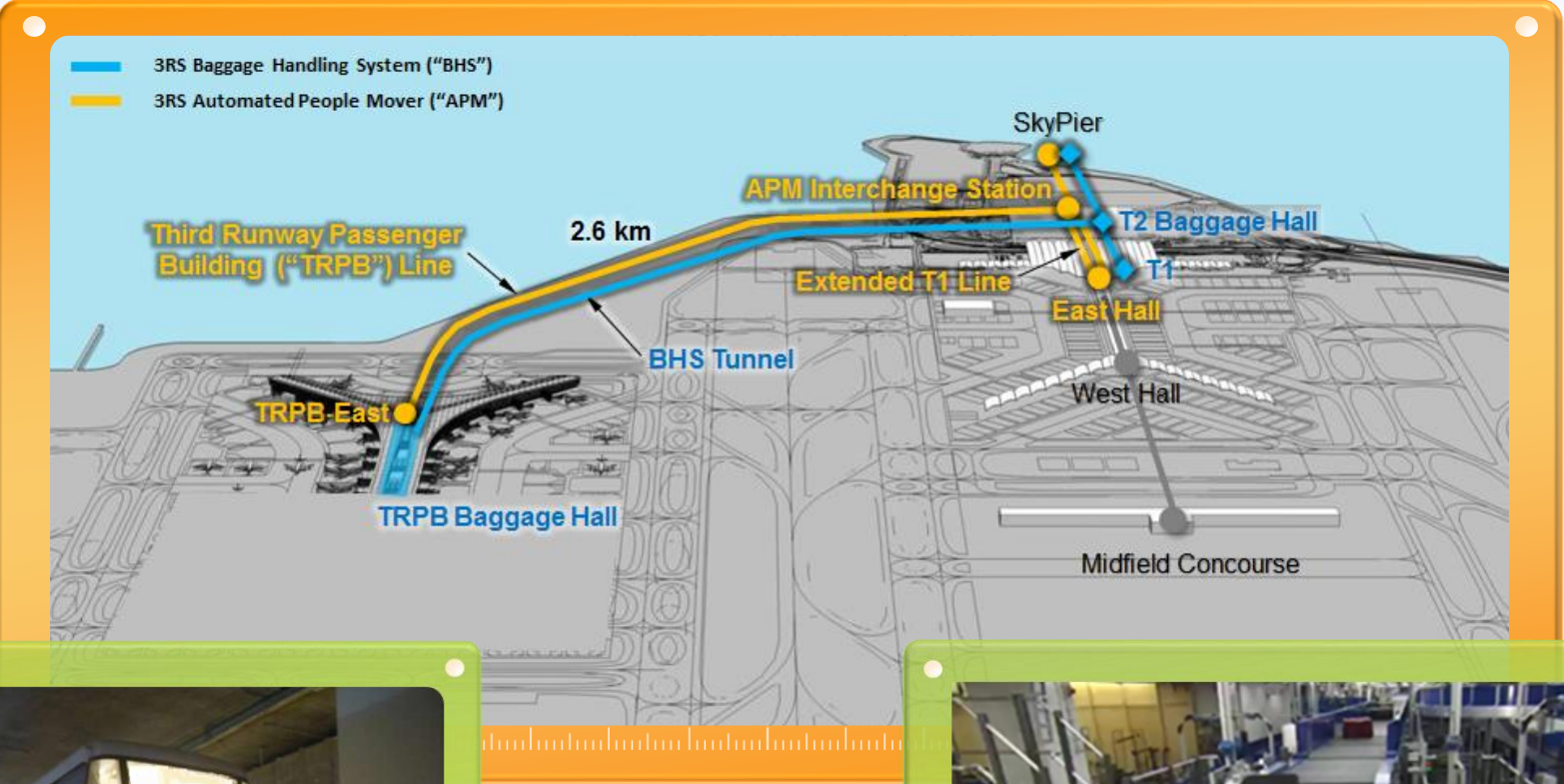
Terminal 2 Expansion Foundations and Substructure Site Works Commenced



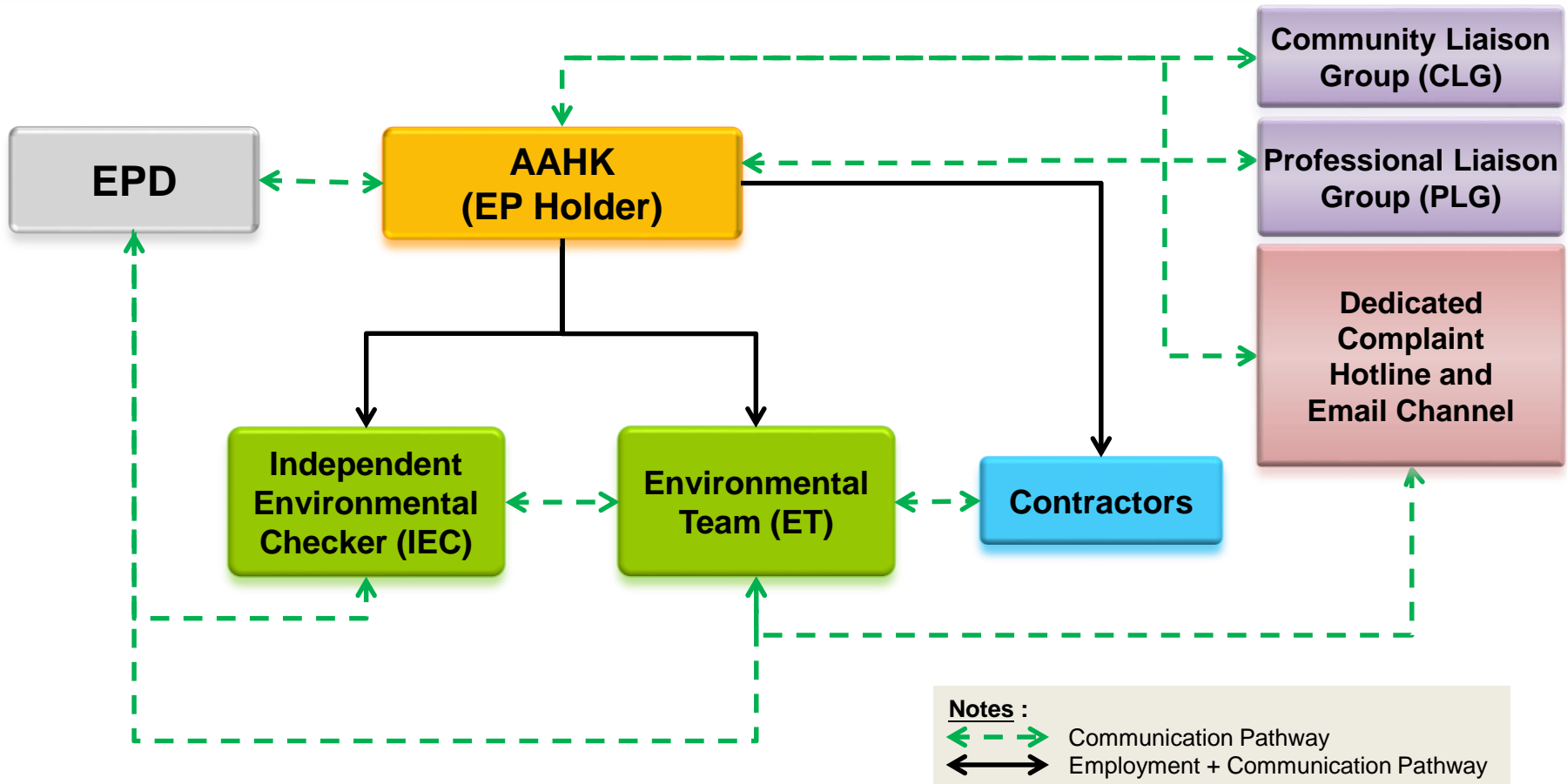
Detailed Designs of Airfield Infrastructure and Third Runway Passenger Building are Progressing According to Plan



Automated People Mover System and High-speed Baggage Handling System Design and Build Contracts Commenced on Programme



Robust Environmental Monitoring & Audit Arrangement in Place



3RS Dedicated Website Easily Accessible by Public



HONG KONG INTERNATIONAL AIRPORT

Project Background | EIAO Documents | EP Submissions | Baseline Monitoring Report | EM&A Reports | EM&A Data | Professional Liaison Groups | Community Liaison Groups | Marine Ecology Enhancement Fund | Fisheries Enhancement Fund | Information Centre

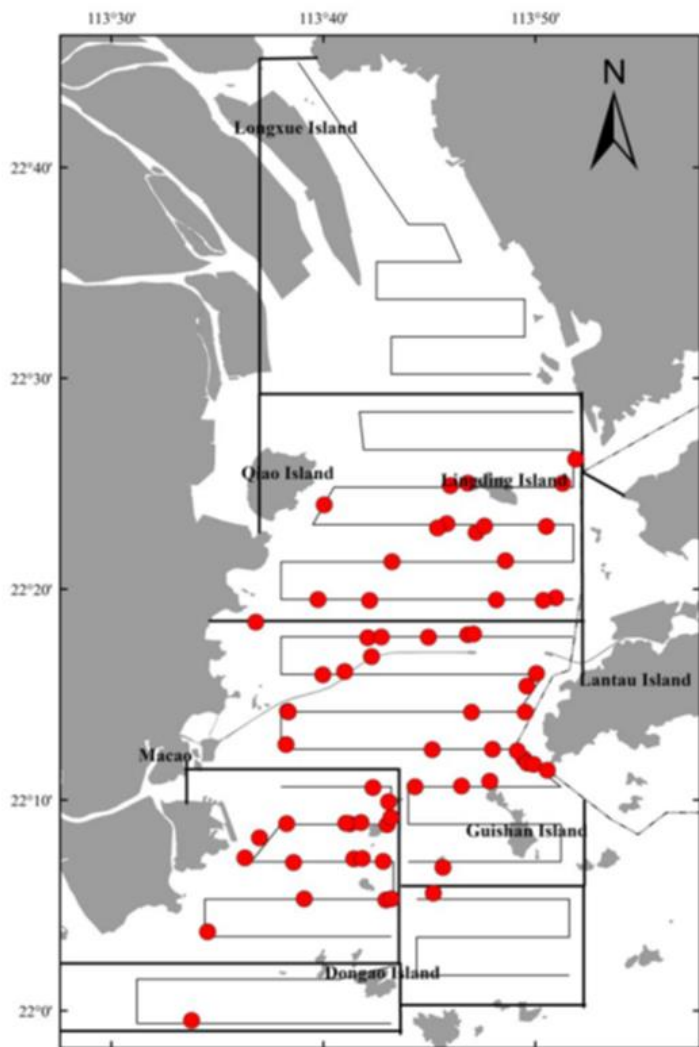
EXPANSION OF HKIA INTO A THREE-RUNWAY SYSTEM

This dedicated website is prepared in accordance with the requirements in the Environmental Permit (EP) (EP No. EP-489/2014) and is intended to enable user-friendly public access to project information including environmental monitoring data and finalised submissions and plans for the expansion of HKIA into a three-runway system.

Three-Runway System Main Website | Privacy Policy © Airport Authority Hong Kong. All Rights Reserved.

<http://env.threerunwaysystem.com/en/index.html>

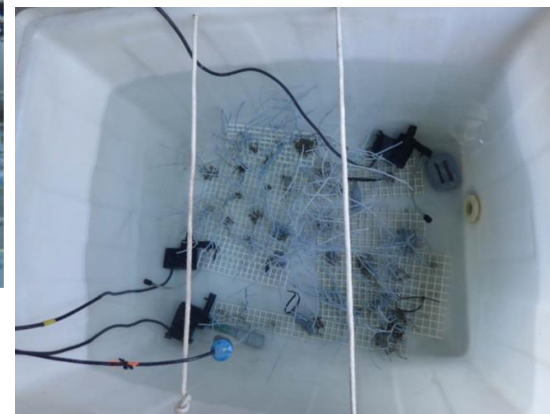
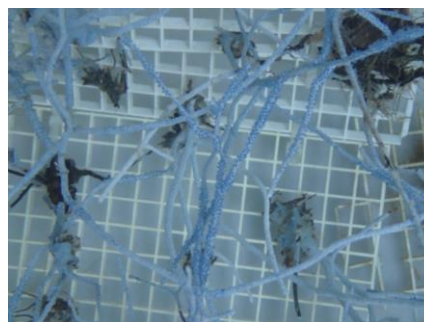
Year 2017-18 MEEF – Project Progress



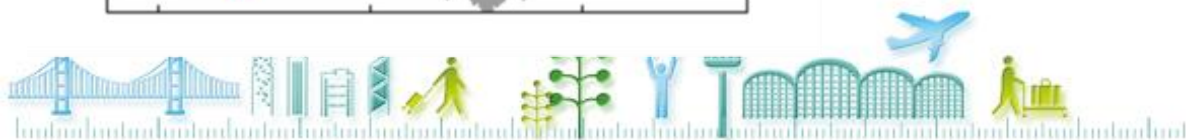
Lingding Bay CWD population dynamics study by South China Sea Fisheries Research Institute, Chinese Academy of Fishery Sciences



Environmental DNA project by The Education University of Hong Kong



Octocoral Guaiagorgia reproductive biology study by The Chinese University of Hong Kong



Year 2017-18 FEF – Project Progress



*Pearl farming pilot project
by Aberdeen Fisherwomen
Association*



*Study on strategy towards sustainable
fisheries development by Hong Kong
Fishery Alliance*



植入「馬氏貝」的生殖腺



*Radar reflector installation
project for fishing vessels
by Aberdeen
Fisherwomen Association*



Proposed Marine Ecology and Fisheries Enhancement Measures Directly Funded by AAHK

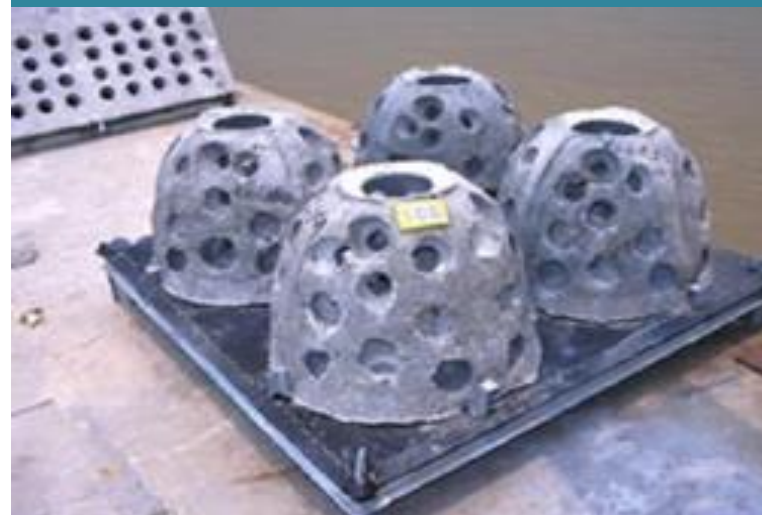
Eco-enhancement Seawall Design



Fish fry release



Artificial reef deployment



Continuous Engagement of Key Stakeholders



Notes :
CLG = Community Liaison Group; ACE = Advisory Council on the Environment; PLG = Professional Liaison Group

THANK YOU

