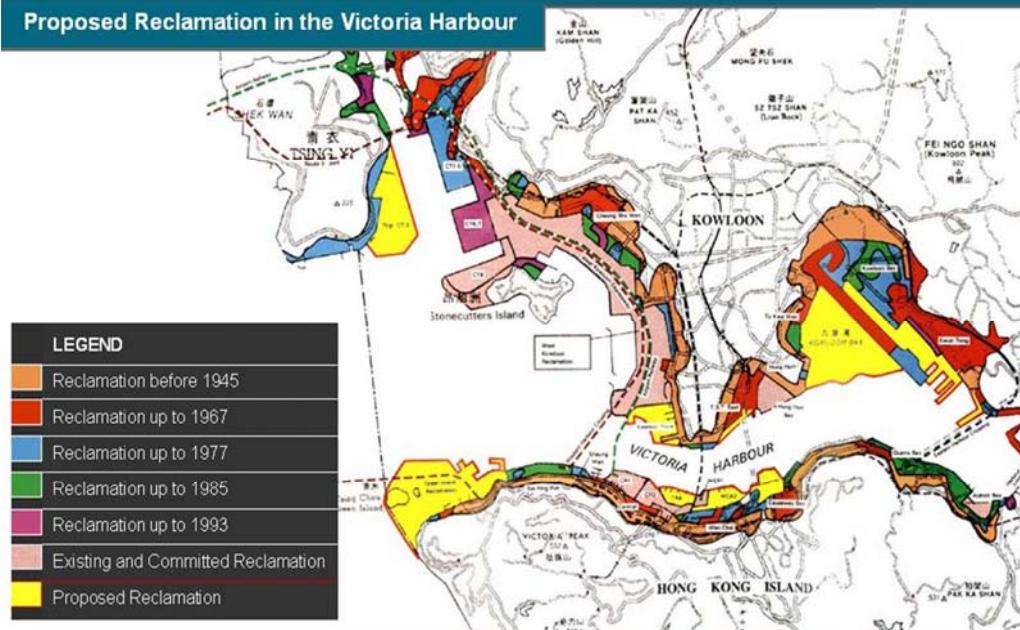


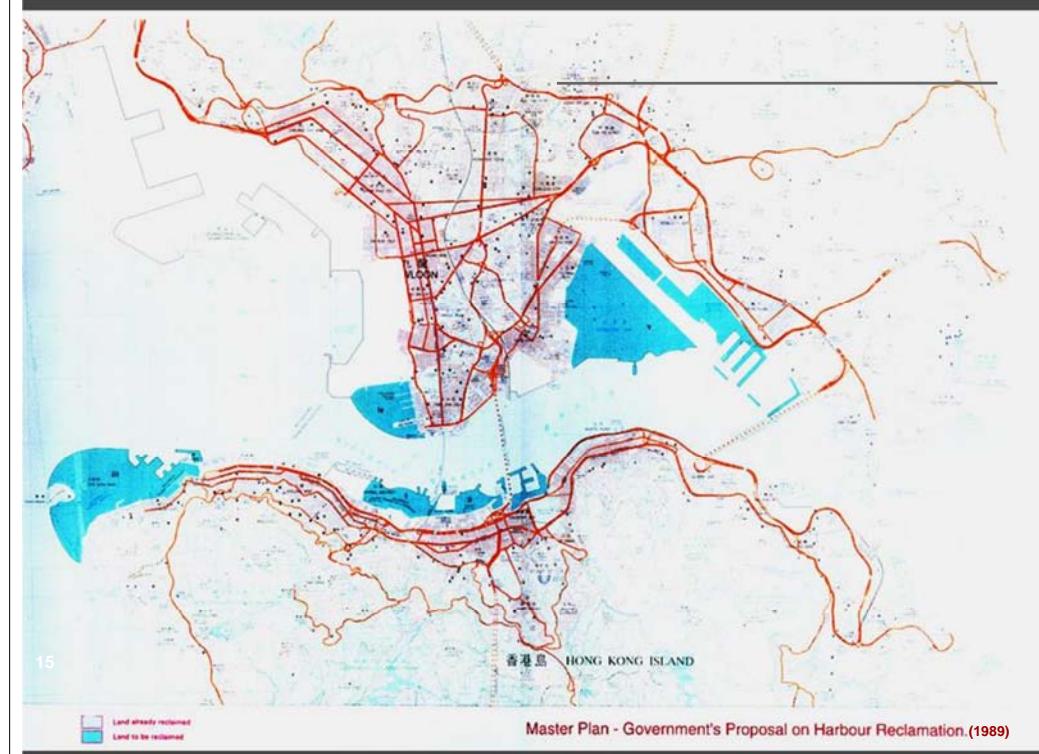
近年涉及的大型填海 及其他海事工程

主講者：王煒文
香港城市大學建築科技學部

Proposed Reclamation in the Victoria Harbour



香港自戰後至今在港內的一些主要填海項目位置



1993-1995年由填海而
成的新機場平台
(約1200公頃新填土地)





1993-1995年作為新機場
核心工程的中環填海
(Phase 1)



中環填海 (Phase 2)

機場核心工程的另一大型
填海項目 -
北大嶼山快速公路



90年代初的西九龍填海，
新闢了約430公頃的市
區用地



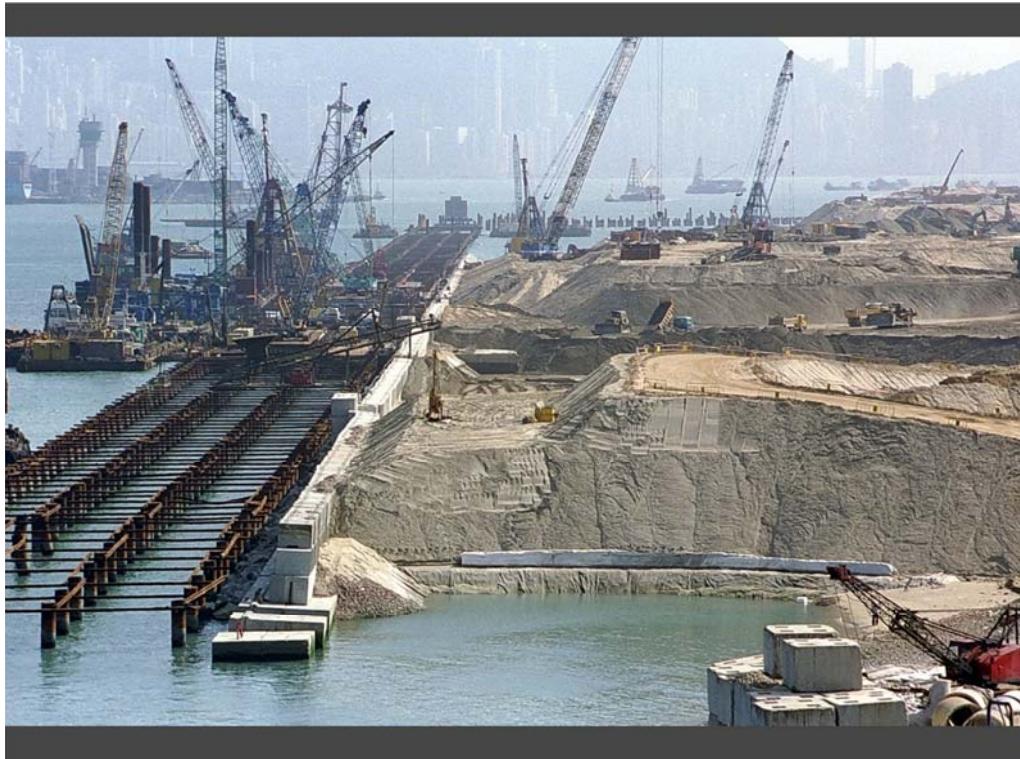
90年代初推出的紅磡灣填海



90年代後期修建西鐵而推出的荃灣西填海計劃



Land formation for the Container Terminal 9





青山公路擴闊工程 (2001 – 2007) 油柑頭至小欖段初期填海作路面擴闊用地



主要由削坡或 填海而來
的土地作公路擴闊之用



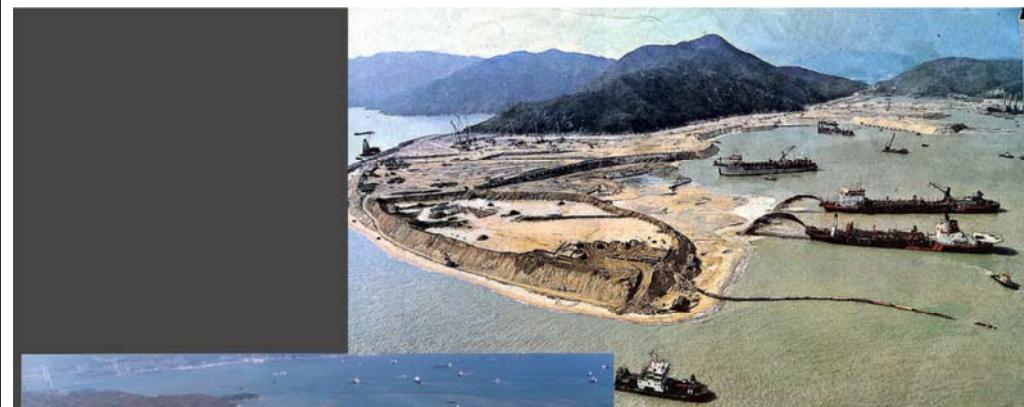
青山公路擴闊工程2007年初完工後的景貌



青山公路擴闊工程包括多段直立於海邊的新建行車線



其他沿海興建的道路 – 青山公路擴闊工程



迪士尼樂園的前身 -- 仍未進行填海的竹篙灣

建設迪士尼樂園所施行的竹篙灣填海工程



填海工作完成後迪士尼
進行後期裝設



填海工作完成後
進行的後期建設



迪士尼樂園
進行後期裝修



開業後的迪士尼
樂園成為香港的一個重點旅遊點



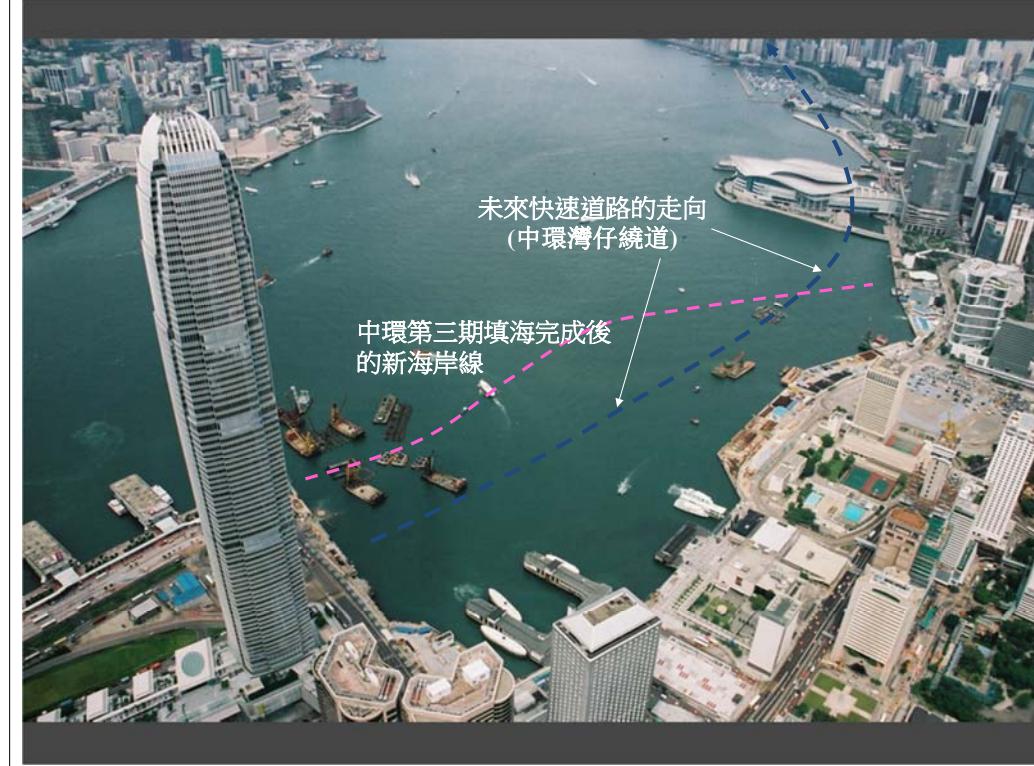
將軍澳新市鎮相關的填海



將軍澳新市鎮





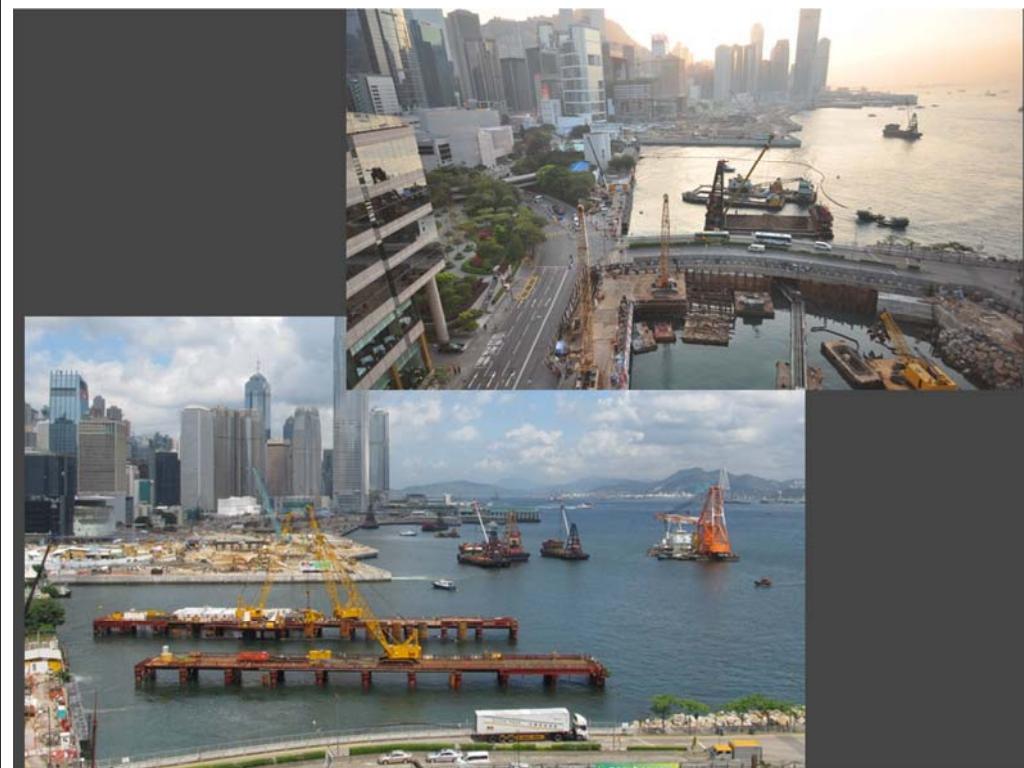
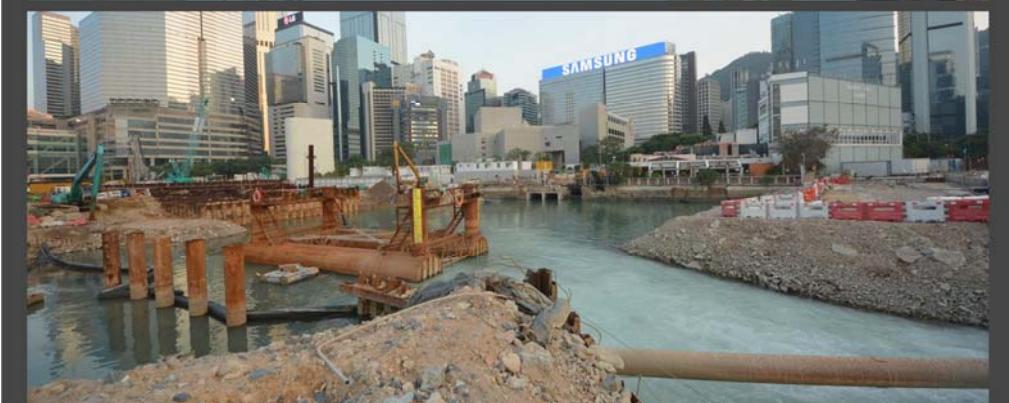
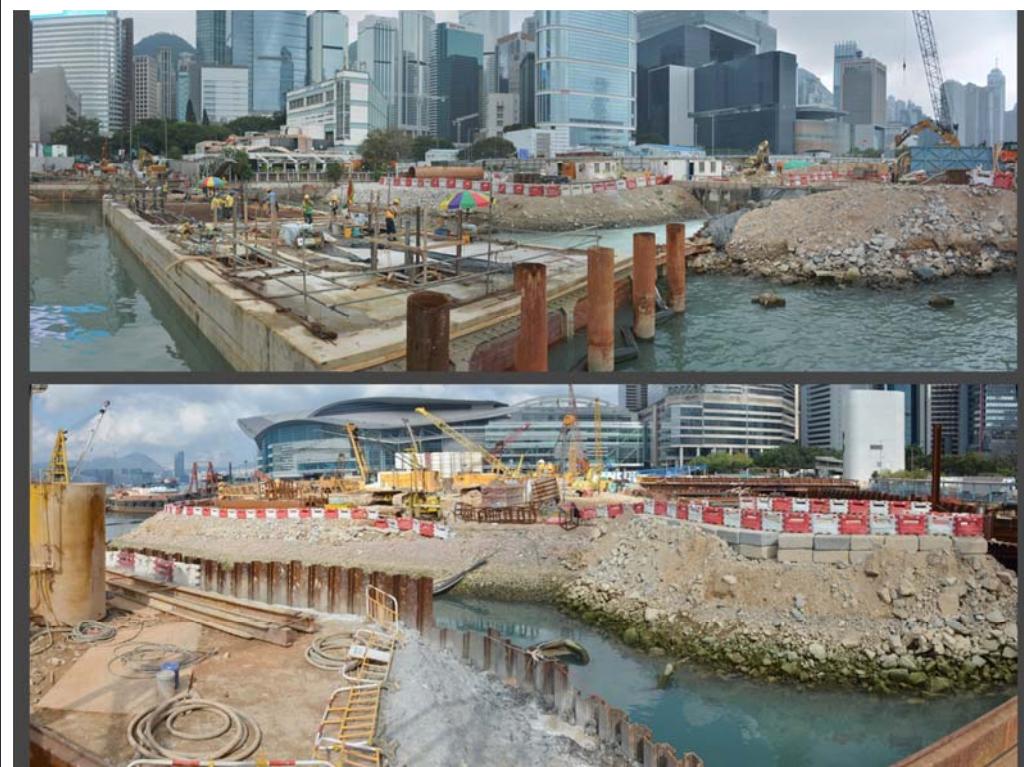


2003年推出極具爭議的
中環第三期填海。此計
劃連同邊鄰的灣仔填海
整體完成後，港島北岸
才能接連一條貫通東西
走向的快速道路。





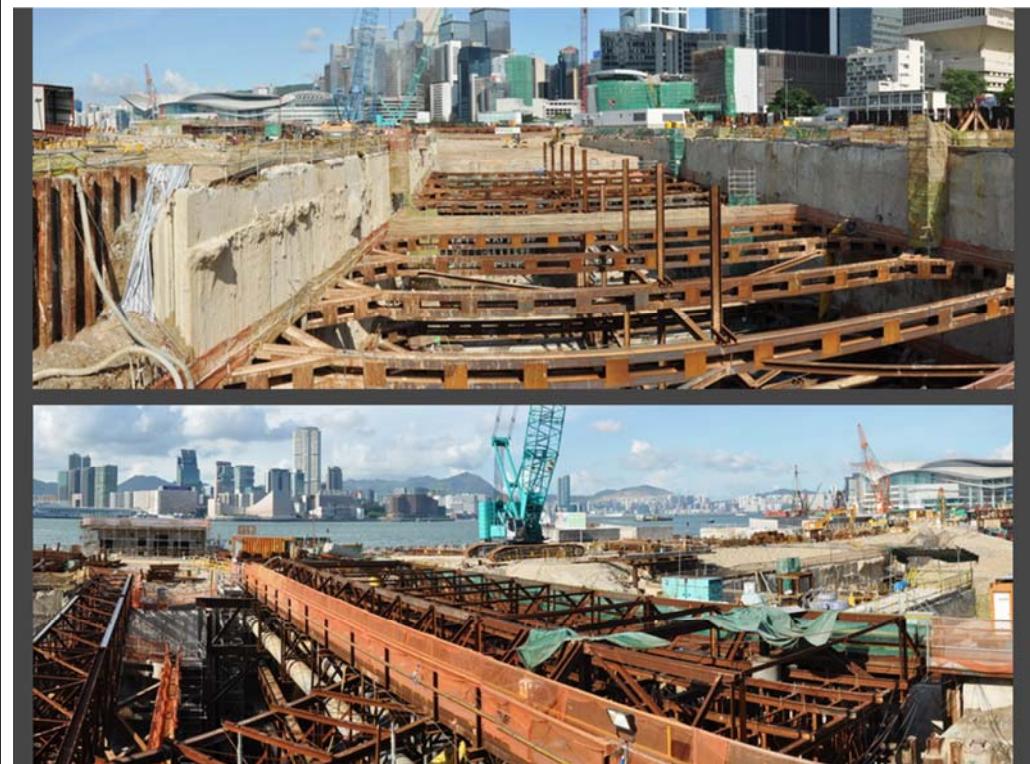
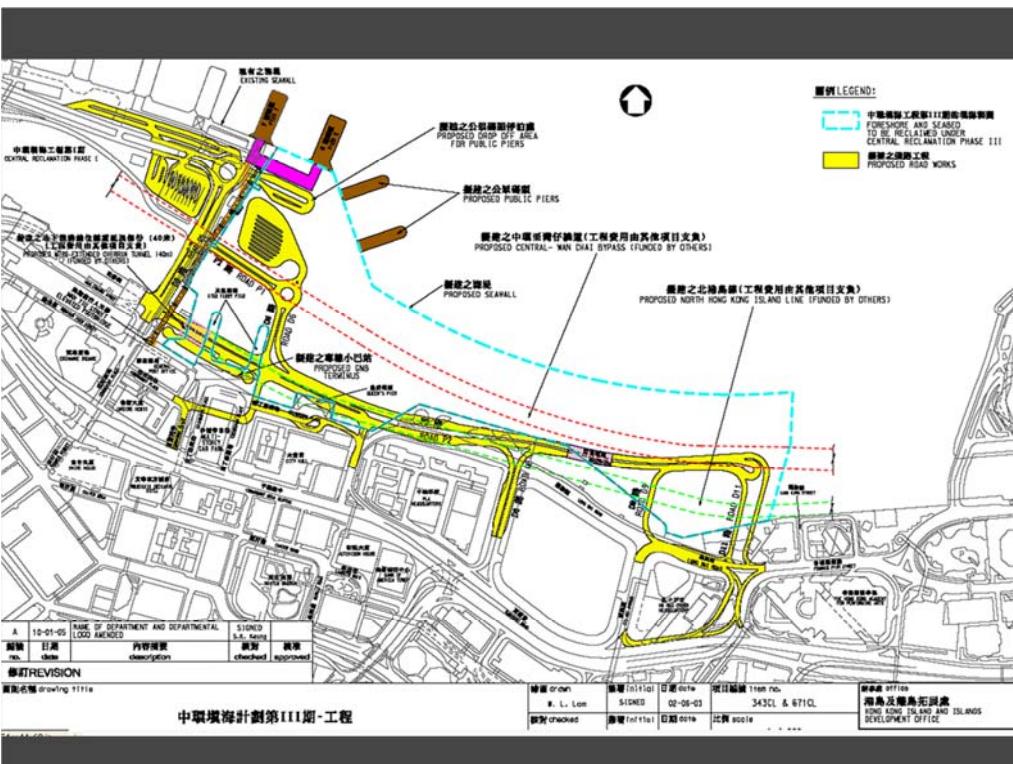
2010

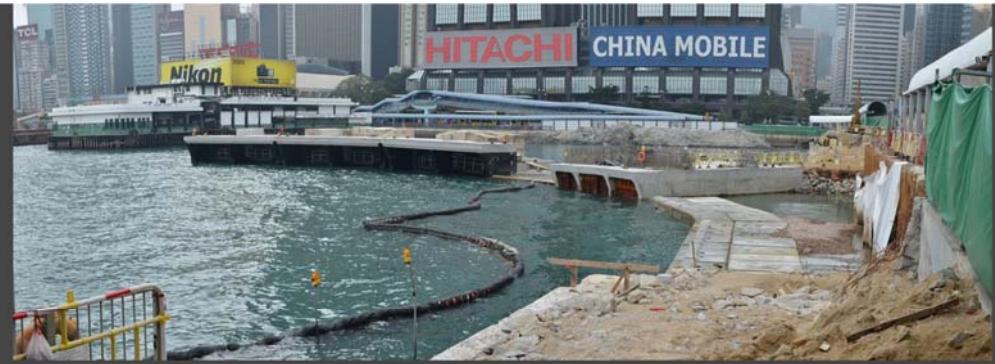
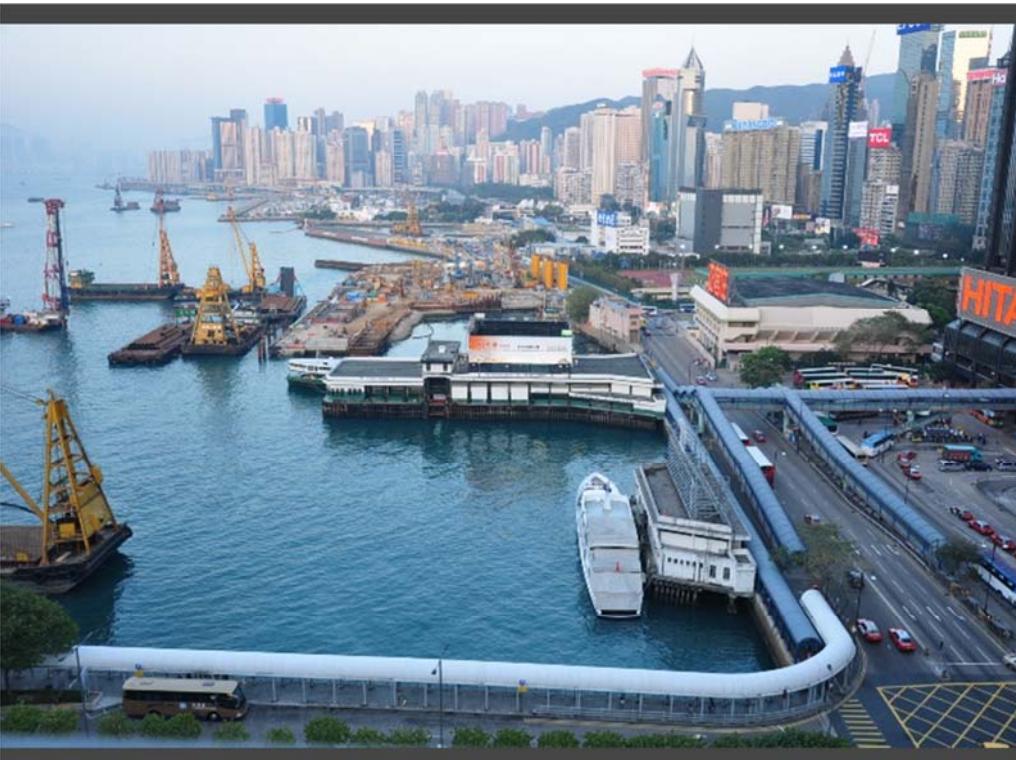


Central Reclamation Phase 3 and the completed Central-Wanchai Bypass as seen in mid-2018

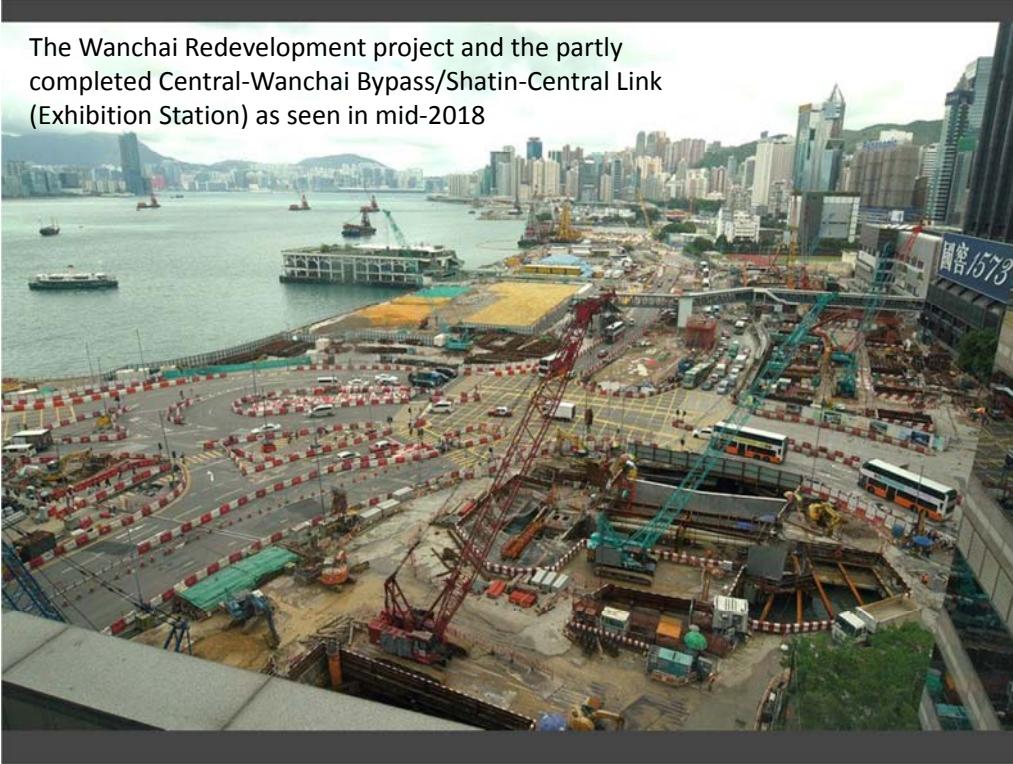


6579TH - 中環及灣仔繞道和東區走廊連接路





The Wanchai Redevelopment project and the partly completed Central-Wanchai Bypass/Shatin-Central Link (Exhibition Station) as seen in mid-2018



April 2014



July 2014



December 2014



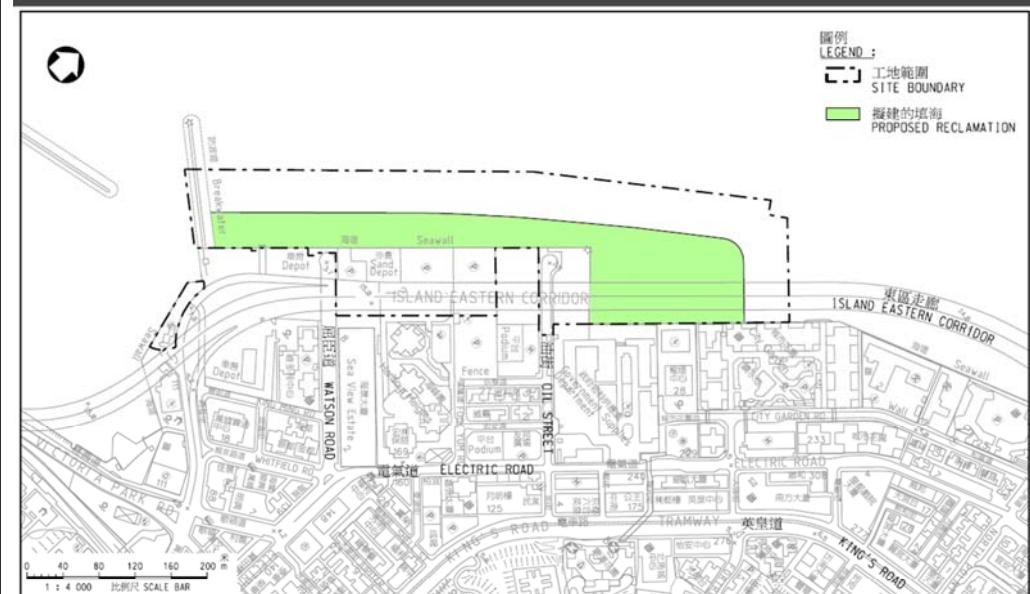
April 2015



May 2015



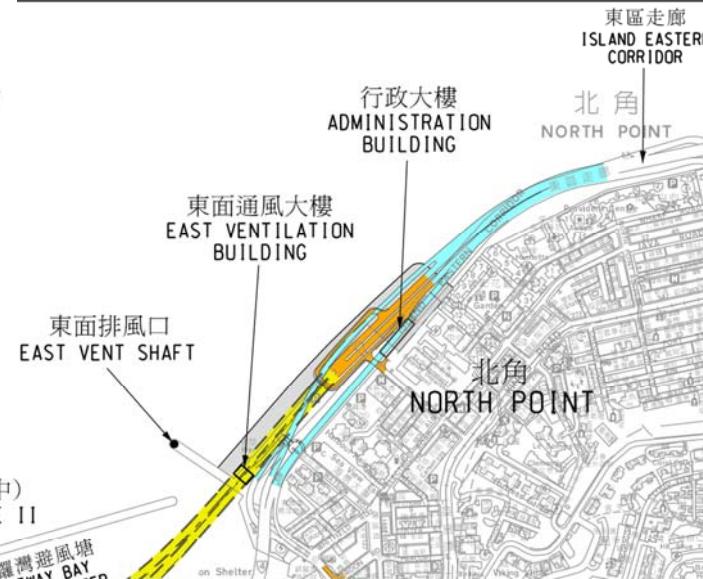
December 2015



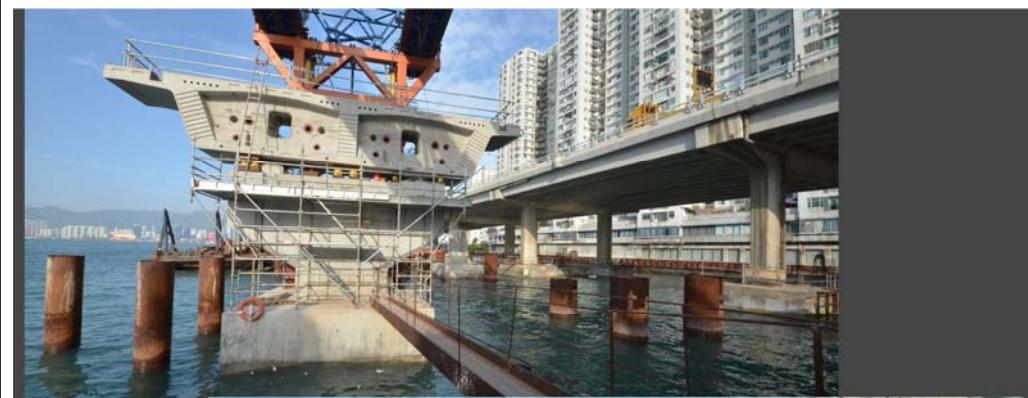
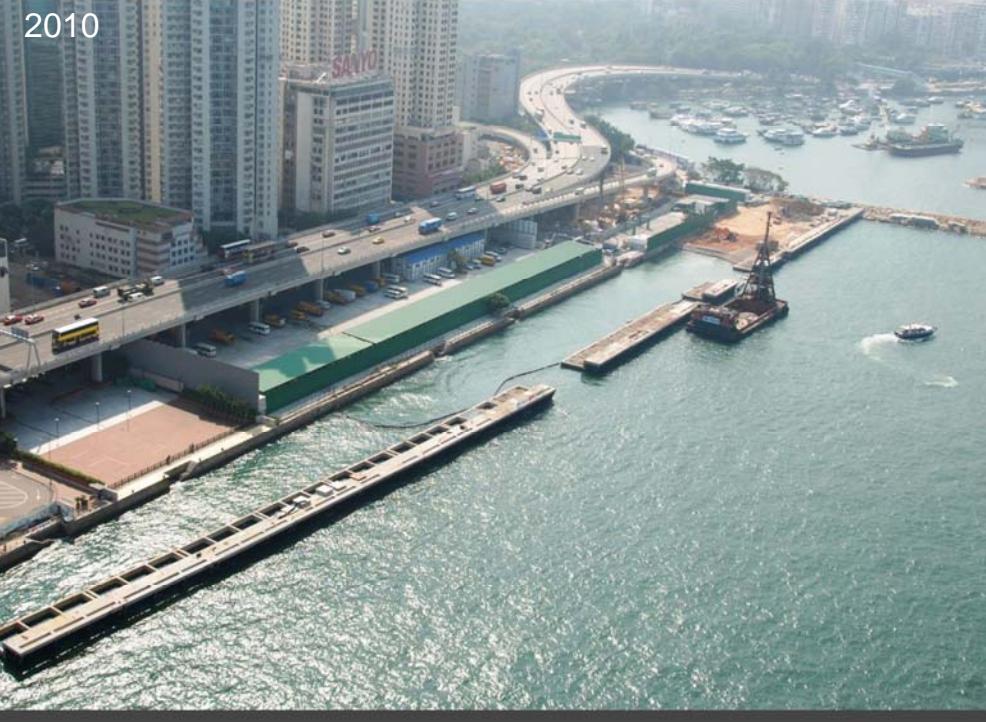
合約編號 HY/2009/11 - 中環灣仔繞道 - 北角填海
CONTRACT NO. HY/2009/11 - CENTRAL-WAN CHAI BYPASS - NORTH POINT RECLAMATION

圖例:
LEGEND:

- 高架道路走線
ELEVATED ROAD ALIGNMENT
- 地面道路走線
GROUND LEVEL ROAD ALIGNMENT
- 隧道走線
TUNNEL ALIGNMENT
- 填海
RECLAMATION



Connection of the bypass to the Island Eastern Corridor and local interchange

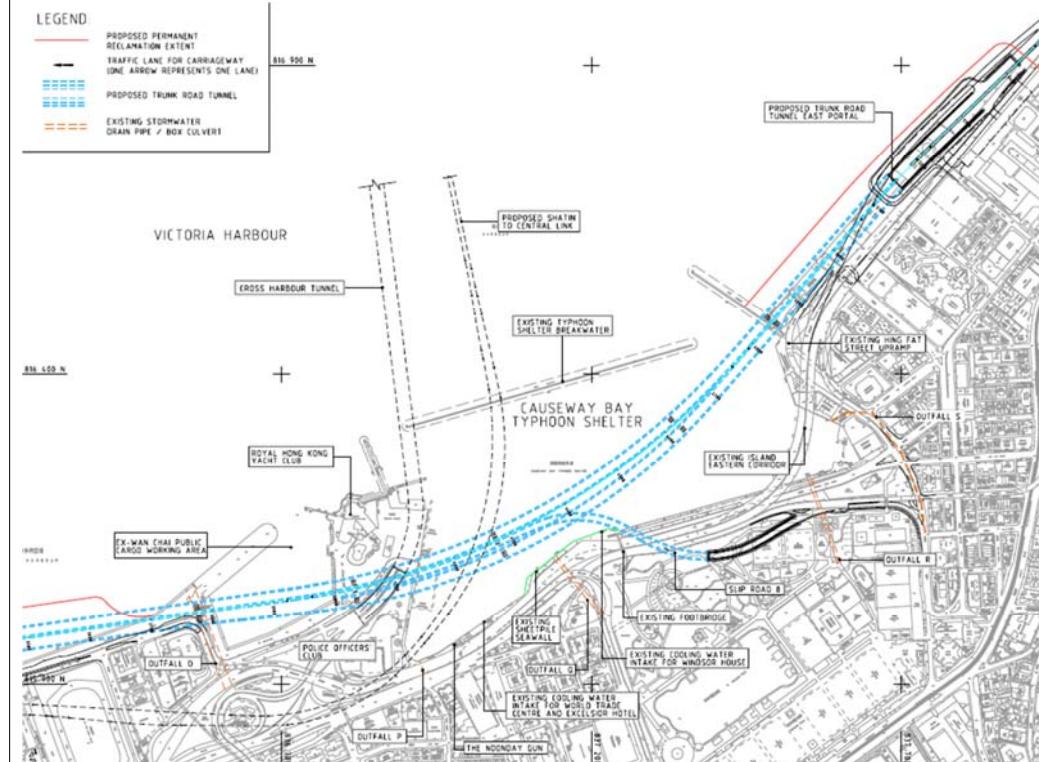


Construct the section of carriageway inside the harbor

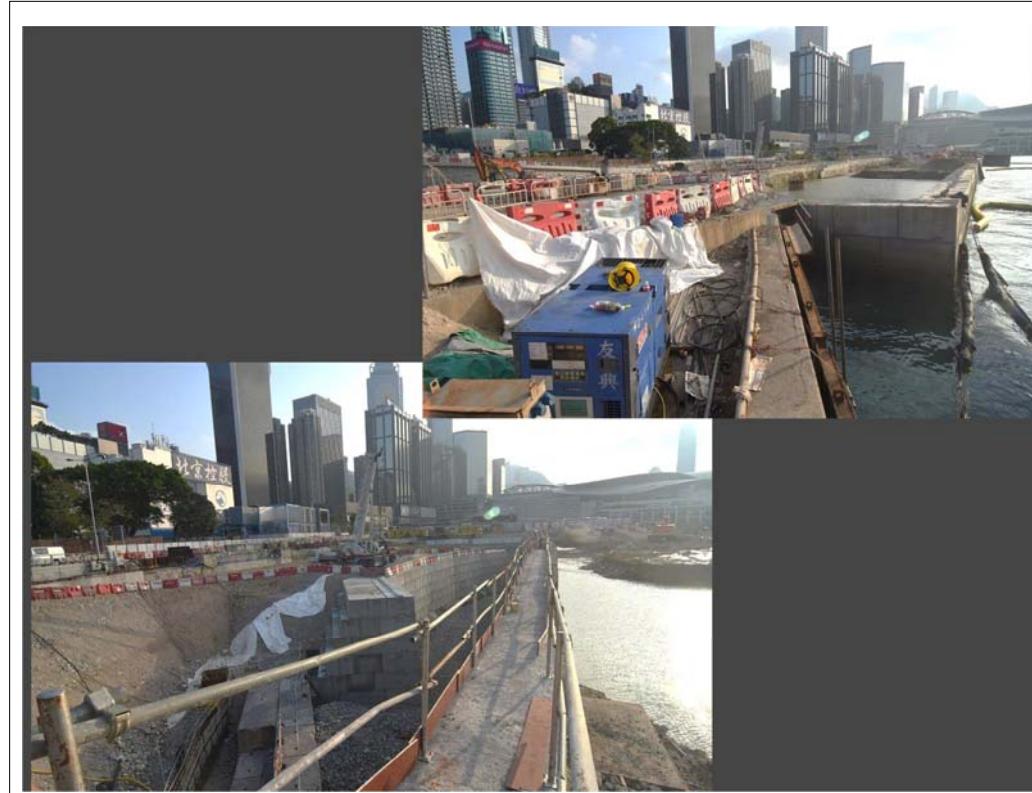




沙中線 (跨海段)
Shatin-Central Link
(harbor-crossing section)





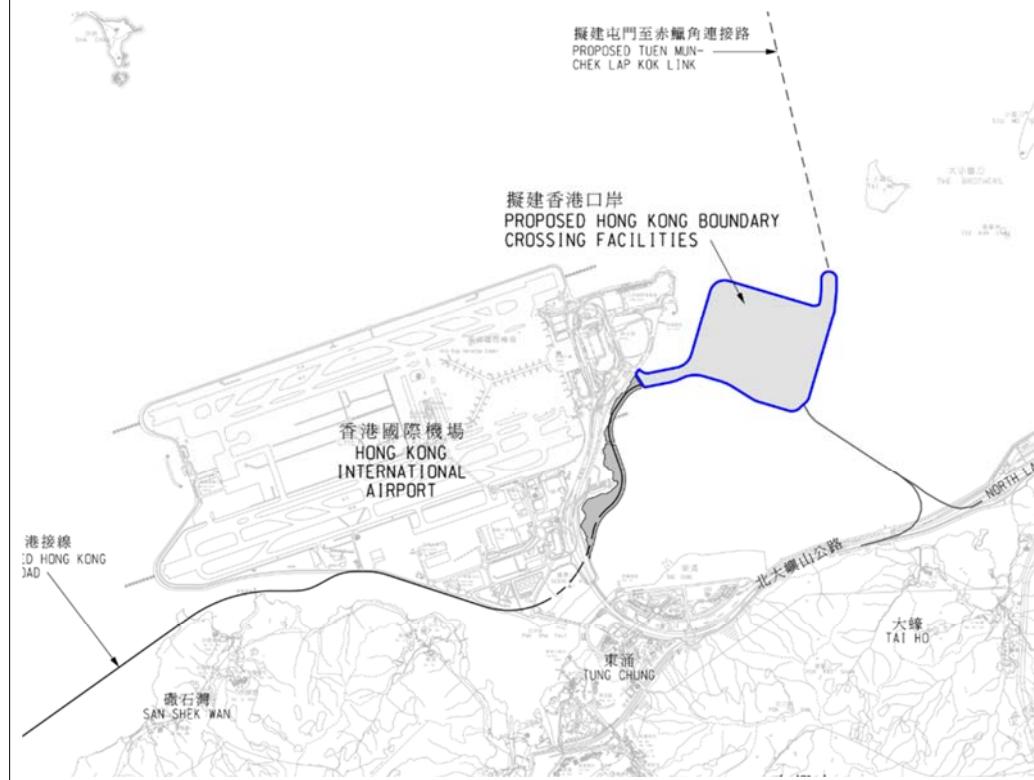


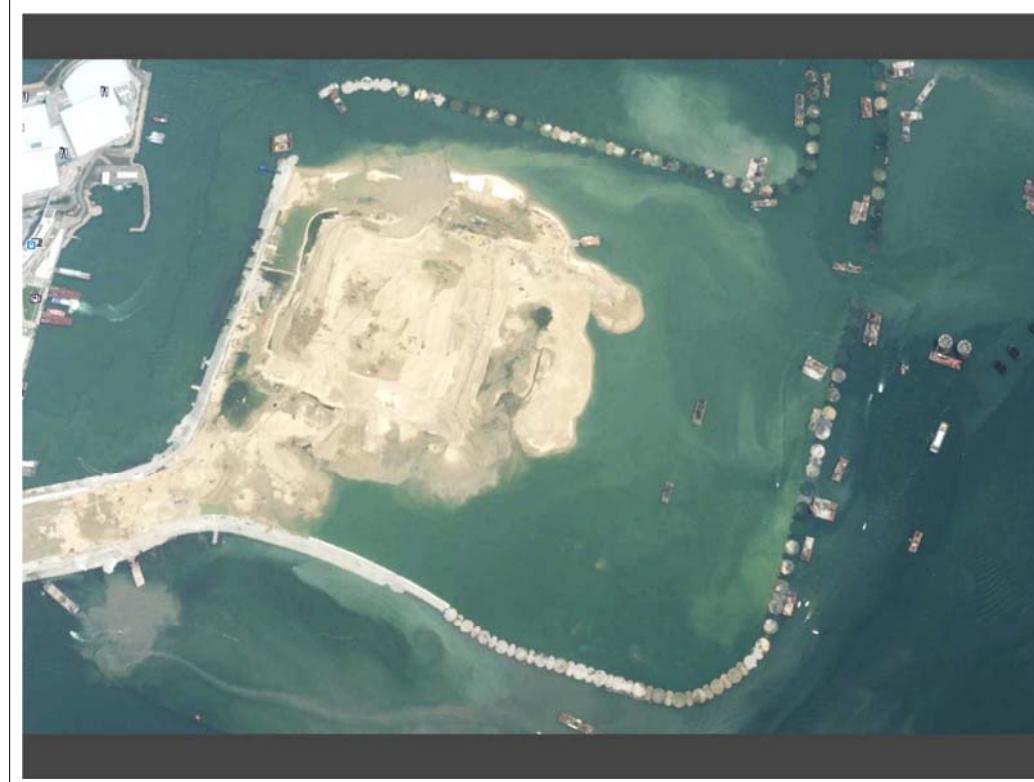
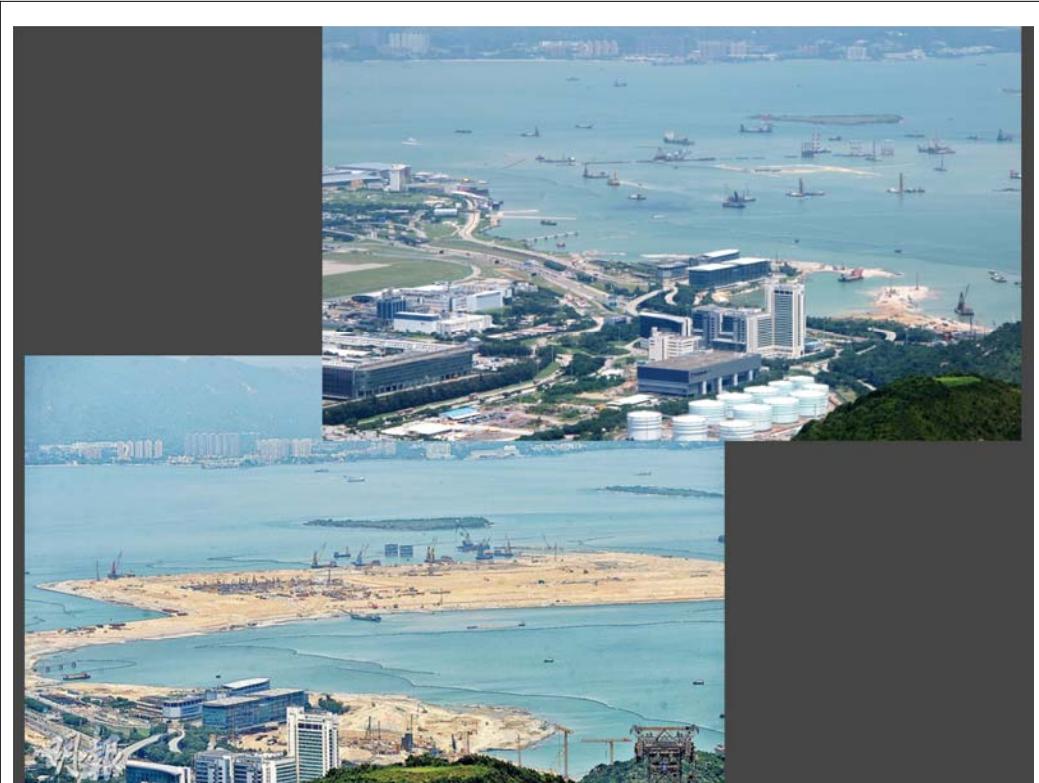
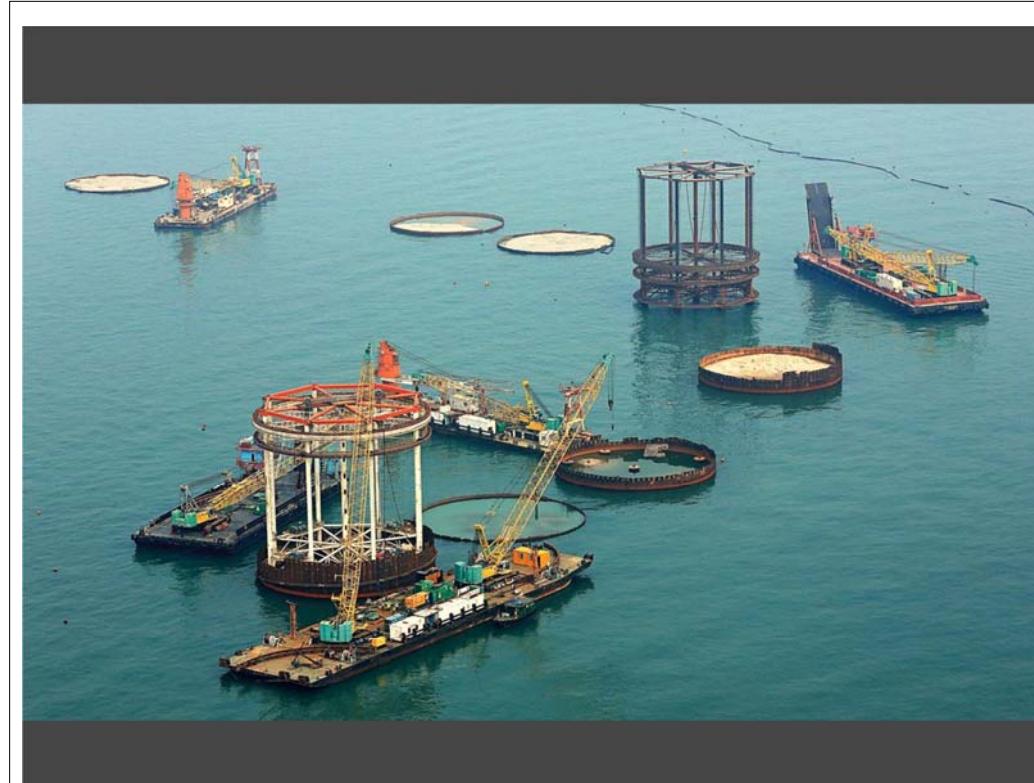
港珠澳大橋
Hong Kong-Zhuhai-Macao Bridge

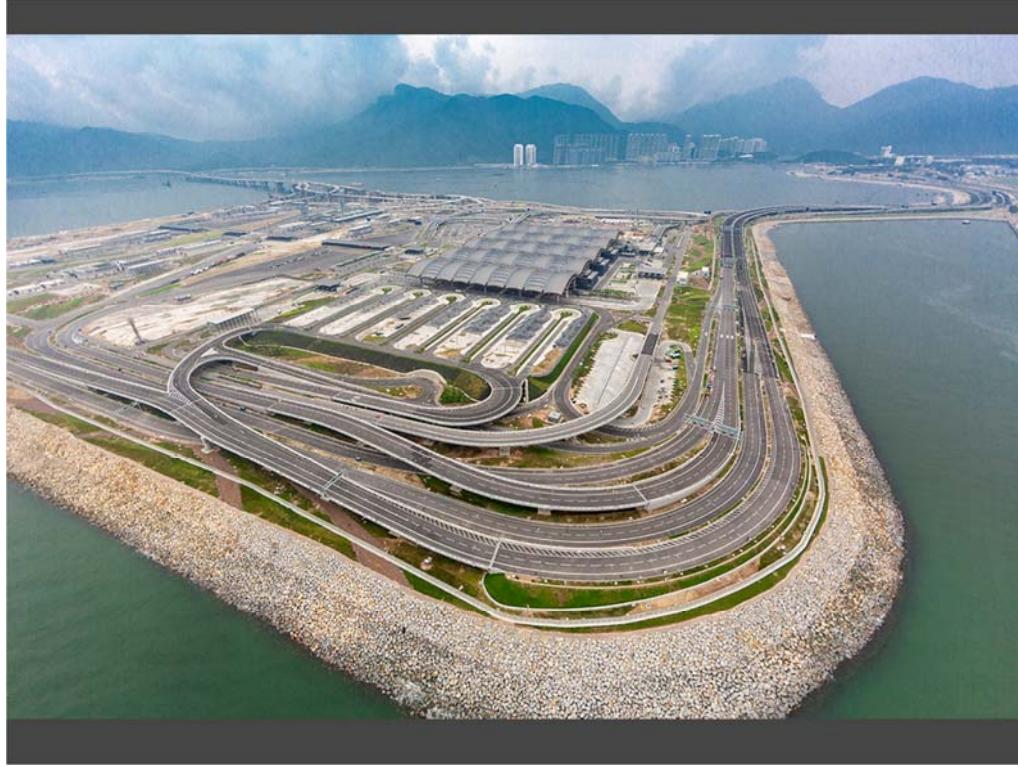


Launching gantry for the HK-Zhuhai-Macau Bridge Siu Ho Wan interchange









A case example to control pollution
in marine work –
The HK-Shenzhen Western Corridor
Project working in Deep Bay





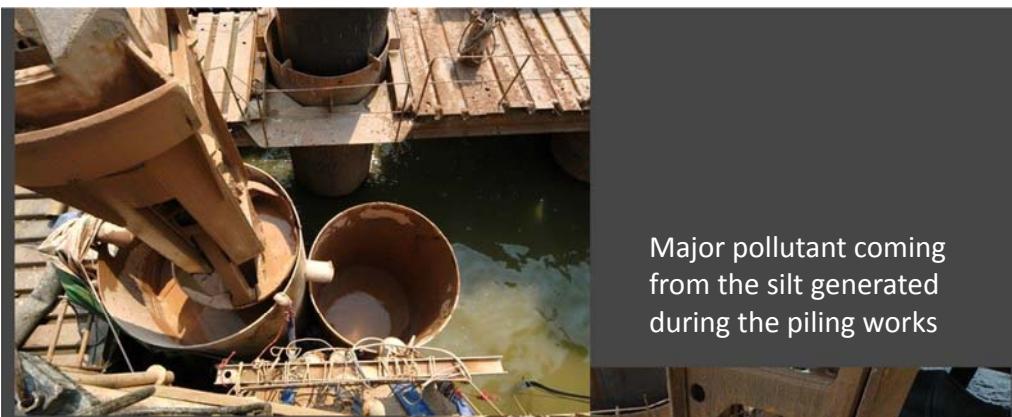
Forming a temporary access roadway reaching into the Bay to support works was a major part of formation work for the project



Provision of silt-screen during marine piling using RCD or Clamp shell



Set-up of equipment on temporary work bridge/platform for the carrying out of piling works

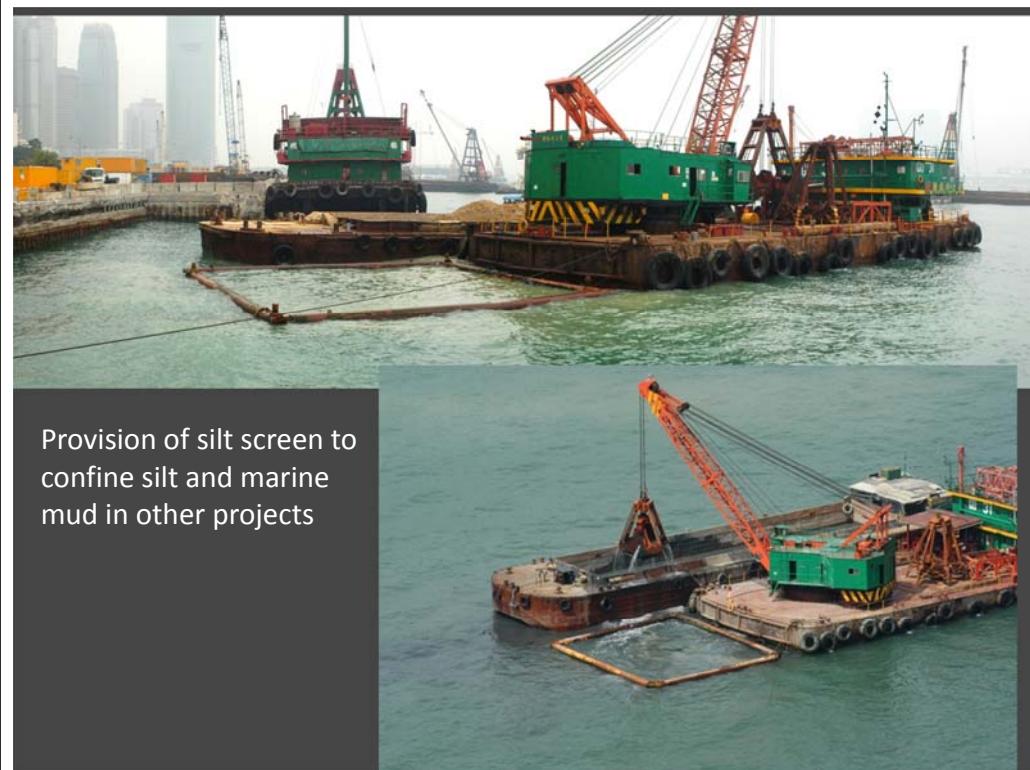


Major pollutant coming from the silt generated during the piling works

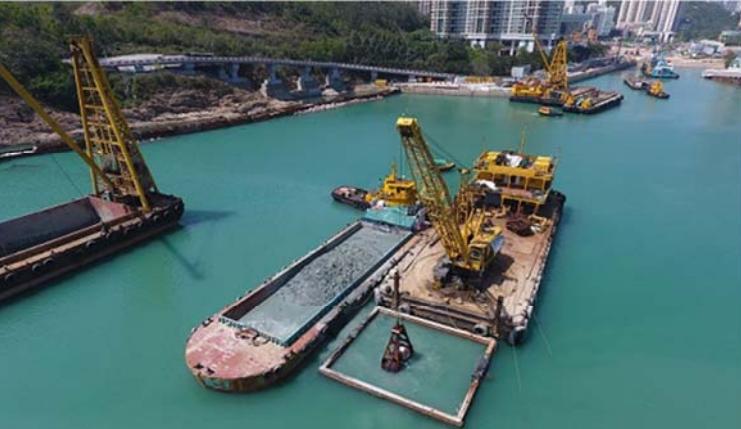


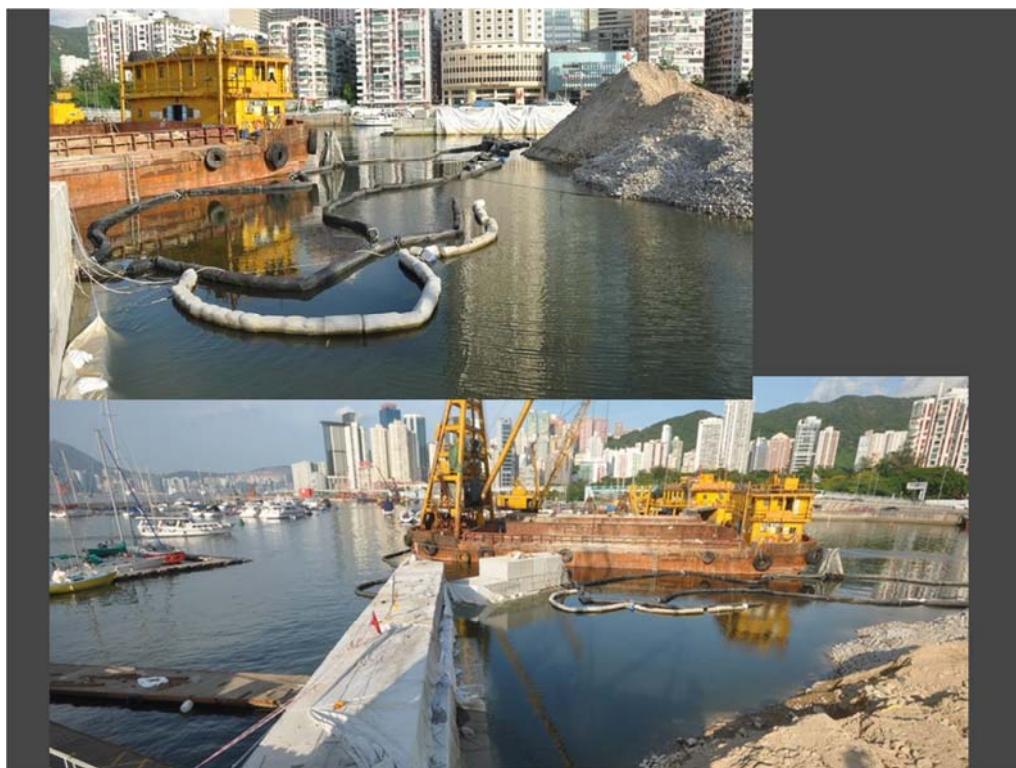
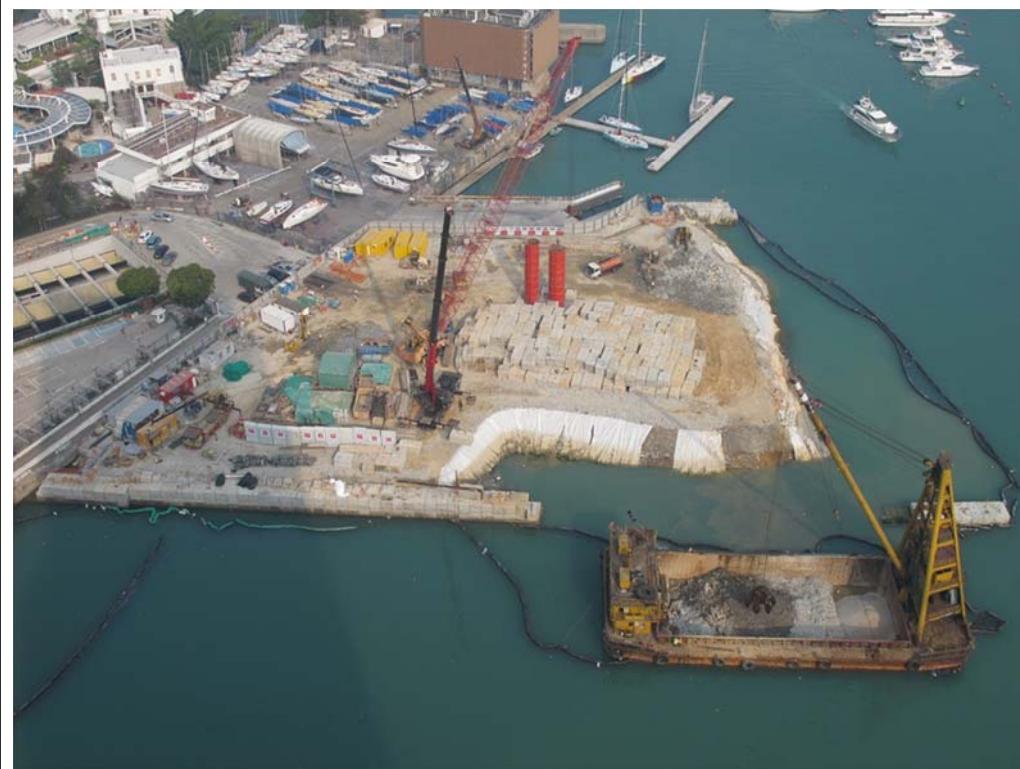


Provision of silt screen to confine silt and marine mud

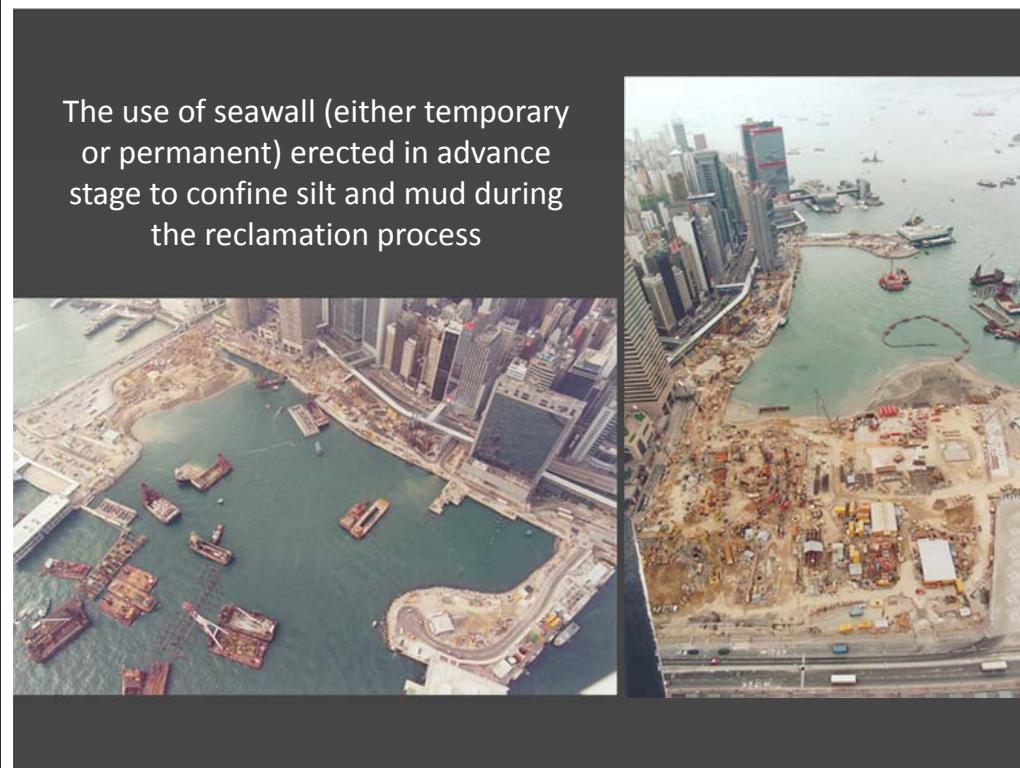


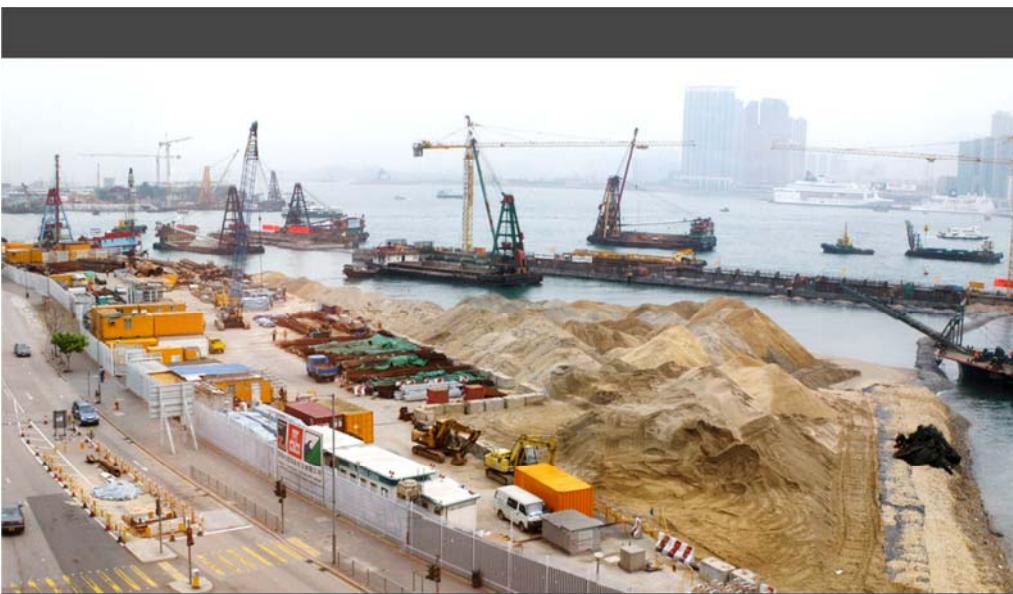
Provision of silt screen to confine silt and marine mud in other projects



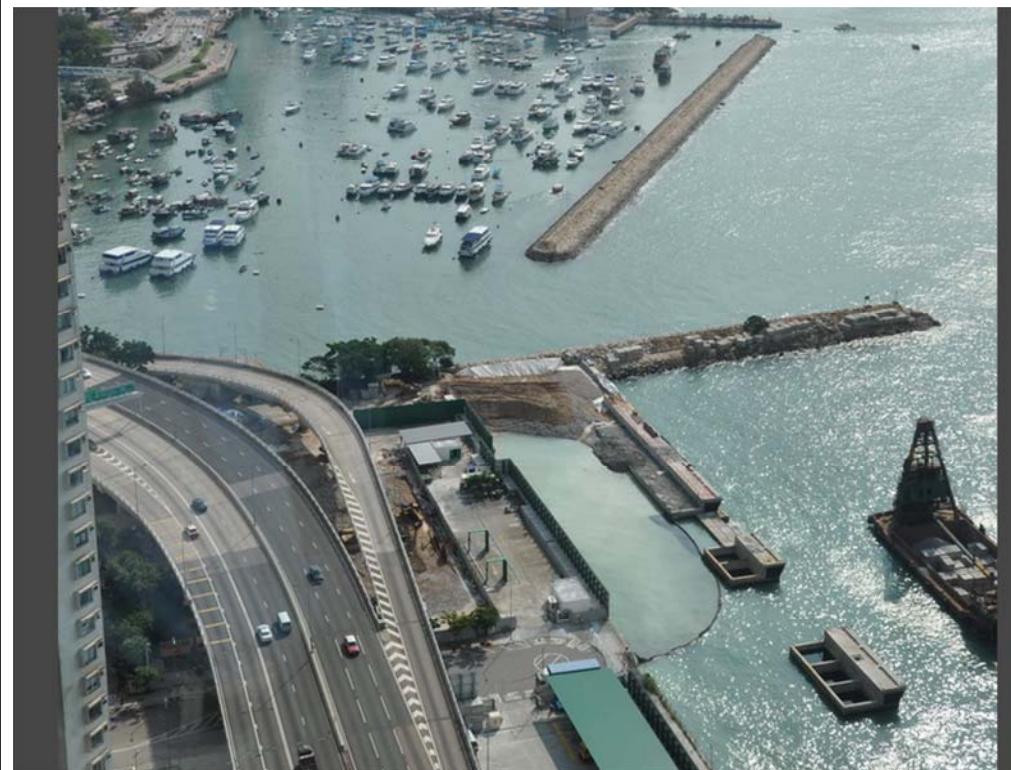


The use of seawall (either temporary or permanent) erected in advance stage to confine silt and mud during the reclamation process

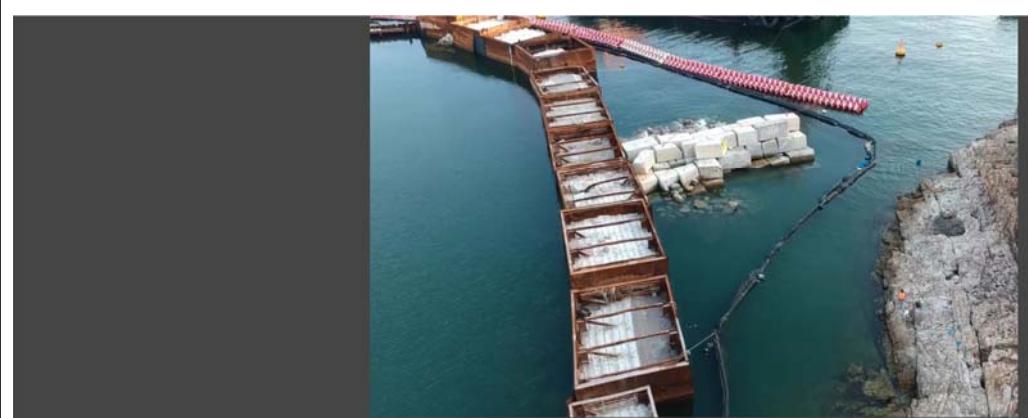




The use of seawall (either temporary or permanent) erected in advance stage to confine silt and mud during the reclamation process



The case of Tseung kwan O – Lam Tin Tunnel

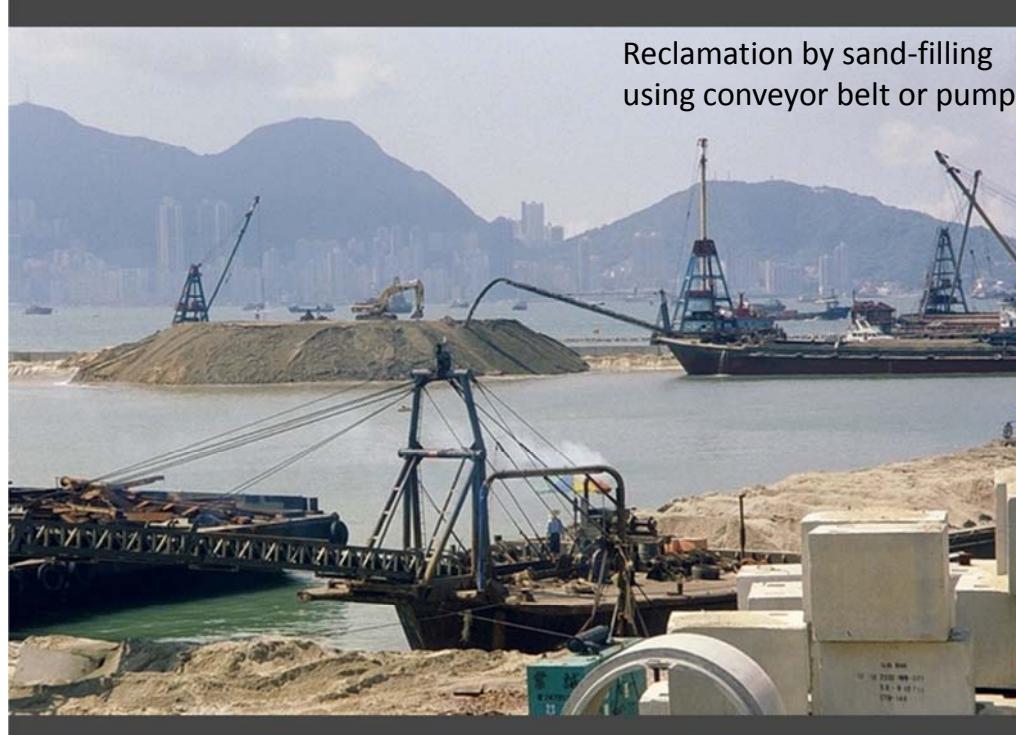


Sources of pollutants in Marine Works

Reclamation by sand-filling using conveyor belt or pump



Reclamation by sand-filling using conveyor belt or pump



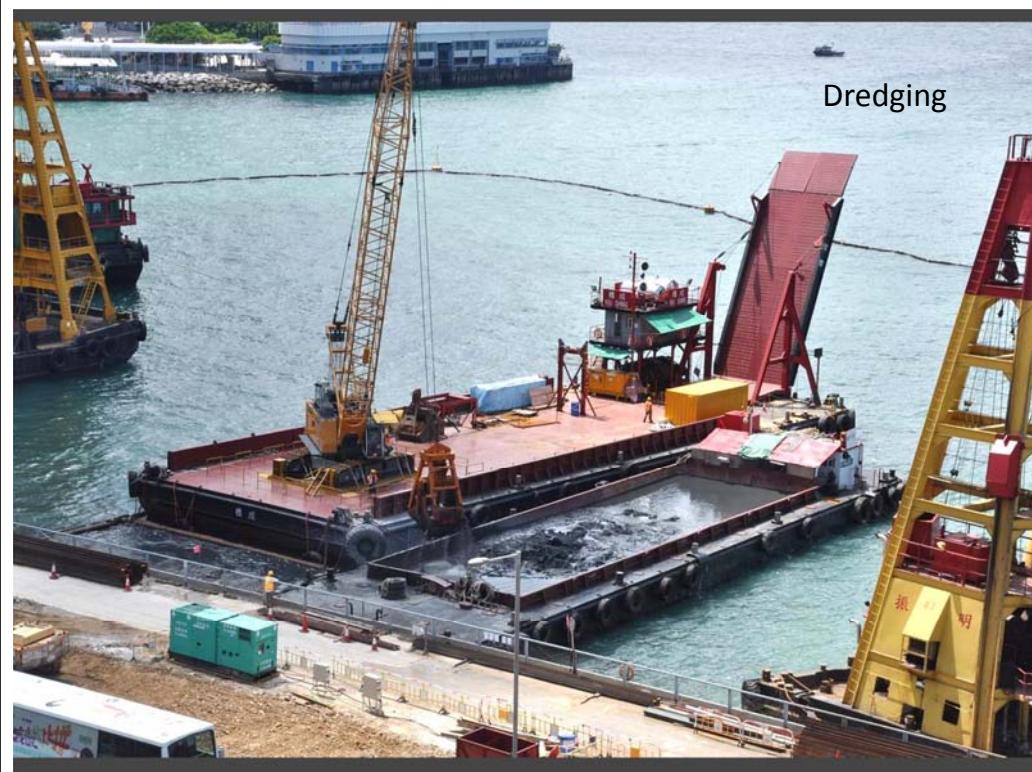
Marine piling works





To control polluted water from draining into the harbor is a major issue.

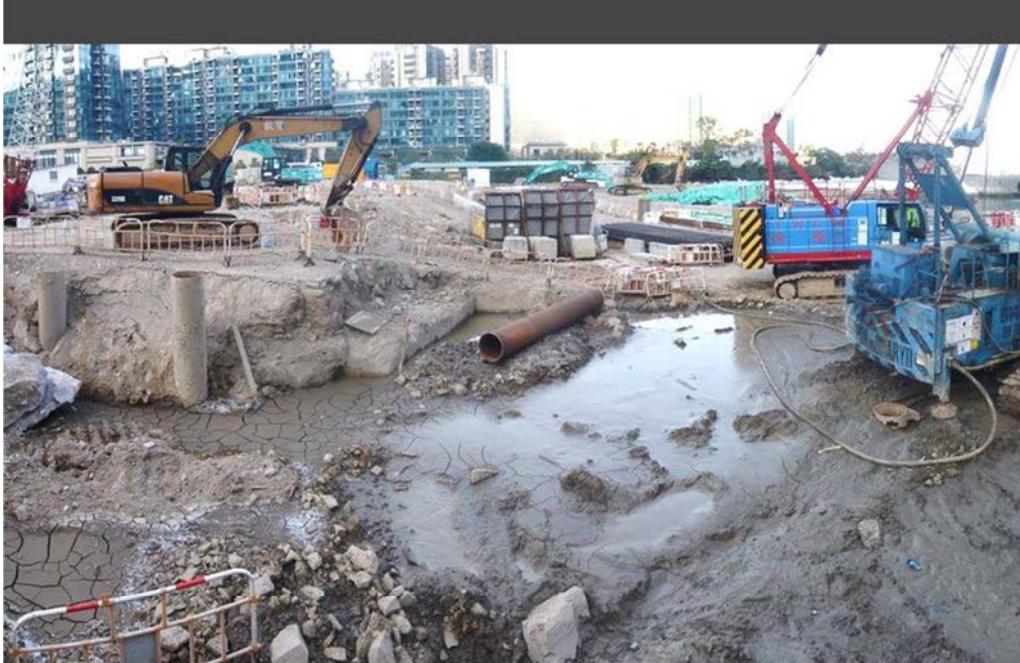
Solution: provision of proper site drains



Dredging



How to provide drain in this kind of temporary site environment



因經過多年的長期跟進這些工程，
背後的細節太多，以上的資料是
給各界作一個初步參考之用。如
對上述某些工程項目想知道多一
點，歡迎大家與王煒文老師聯絡，
或瀏覽他的資料網頁。

Bswmong@cityu.edu.hk
<http://const-infobank.org/>

再會