

DESIGN  
BUILD  
FINANCE  
OPERATE



A member of the Bouygues Construction group





# DRAGAGES HONG KONG

Dragages brings 50 years of experience, expertise and innovation to its clients across Asia. Recognised as a pioneer in its industry, Dragages has consistently spearheaded new construction techniques and technologies across its civil, building and electrical installation and maintenance divisions.

The company continues to put innovation at the heart of its business and is committed to delivering client-focused solutions in design, engineering, financing, operations and long-term maintenance.



# CORE VALUES DRIVE SUCCESS

## People

Only by working together do we provide the best possible solutions to our clients.

In our industry, success is driven by the expertise, commitment and passion of our people. The success of each Dragages project is driven by the dedication of every person on site. From the first concept to the completed project, Dragages is continually looking for ways to innovate and improve.

The reputation and achievements of our company are built on mutual respect, open communication and professional development from our labourers to our most senior managers. We understand that only by working together do we provide the best possible solutions to our clients.



## Partnership

We understand the importance of connecting with the client at the earliest stage.

Construction is a business that thrives on partnership – and the most important of all is the partnership between the contractor and the client. At Dragages we understand the importance of connecting with the client at the earliest stage. It is a formula that creates an environment of trust, minimises disputes and guarantees that innovation and respect exist across the duration of the project. It is about listening, responding and together creating a rewarding, successful and profitable experience.



top MTR Hang Hau Station  
bottom Tsz Wan Shan Cable Tunnel

## Innovation

Many engineering innovations, now considered commonplace in our industry, were originally brought to Hong Kong by Dragages.

Over the past 50 years we have injected innovative solutions into each of our projects. Whether it is in the design, financing, construction techniques or technologies, Dragages is continually looking for new or alternative ways to make each project better, safer, faster and more satisfying to the client.

Many engineering innovations, now considered commonplace in our industry, were originally brought to Hong Kong by Dragages. Our challenge today is to ensure that this flow of new ideas, methods and technologies continues across all our current and future projects.



Mixed ground earth pressure balanced Tunnel Boring Machine

## One-stop service

This popular method of partnership offers an efficient and profitable solution for both the contractor and the client.

In recent years, Dragages has taken the lead to initiate projects combining design, construction, finance and operate. This increasingly popular method of partnership offers an efficient and profitable solution for both the contractor and the client. Examples include the world-class event and exhibition venue, AsiaWorld-Expo, which was the first public-private partnership (PPP) led by a contractor.



top AsiaWorld-Expo exhibition hall



bottom AsiaWorld-Arena

## Quality, safety, environment

We integrate safety and environmental concerns into every aspect of our construction processes.

Our commitment to safety, quality and the environment are key aspects of our business model.

We feel a keen responsibility towards the communities in which our projects are located. To ensure the greatest possible peace of mind, we integrate safety and environmental concerns into our design and engineering stages, as well as into every aspect of our construction processes.



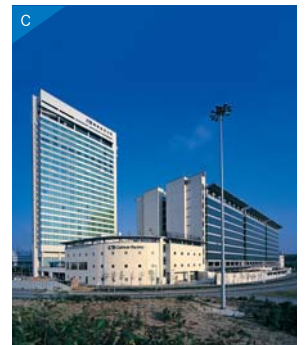
# BUILDING WORKS

From international convention centres and large-scale headquarters, to stunning leisure facilities and technical buildings, Dragages has an unrivalled track record in delivering building works.

Recent examples include AsiaWorld-Expo, the world-class event and exhibition centre and the adjoining Hong Kong SkyCity Marriott Hotel. Other iconic buildings in the Dragages portfolio include Cathay City, the state-of-the-art headquarters of Hong Kong's flagship carrier, and the Hong Kong Stadium, home to the world-famous Hong Kong Sevens Rugby Tournament. The company's strength comes from combining technical, engineering and environmental expertise, and delivering these capabilities across a broad range of projects. For our clients this ensures the smoothest delivery of the project, while adhering to the highest quality specifications and within the tightest time and budget parameters.

- Commercial buildings
- Exhibition centres
- Multi-purpose venues
- Residential buildings
- Schools
- Technical buildings

- a Pacific Place - Phase II
- b Hong Kong Stadium Redevelopment
- c Cathay Pacific Headquarters
- d Hong Kong Convention and Exhibition Centre Extension
- e TVB City
- f The University of Hong Kong - Li Ka Shing Faculty of Medicine
- g Government Quarters at West Kowloon



# CIVIL WORKS

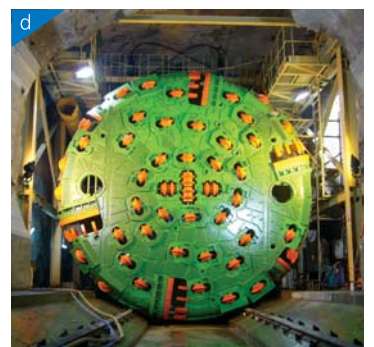
Dragages' experience in major civil works dates back to the 1950s when the company was a key player in developing Hong Kong's reservoir and tunnel infrastructure. Among its pioneering projects was the world-famous Kai Tak Airport runway, stretching out into Victoria harbour. As the city's economy thrived, Dragages supported its development, playing an integral role in the expansion of the city's mass transit railway network.

Over more than half a century, Dragages has been a forerunner in bringing new technologies to Asia, many of which are now commonplace across the industry. The company has consistently offered clients practical solutions to the most technologically demanding projects, including Lok Ma Chau Spur Line Tunnels and East Tsing Yi Viaduct.

It is this commitment to innovation that allows Dragages to save time and money for its clients, while maintaining the highest standards with regard to safety, the environment and quality.

- Bridges ▪ Railways
- Reservoirs ▪ Site formation ▪ Tunnels

- a East Tsing Yi Viaduct
- b KCRC - Lok Ma Chau Spur Line Tunnels
- c Ocean Park Redevelopment
- d Hong Kong West Drainage Tunnel
- e Tai Koo MTR Station and Tunnels
- f Cheung Tsing Tunnel and Viaducts



# PUBLIC-PRIVATE PARTNERSHIPS

As a leading exponent of public-private partnerships (PPP), Dragages understands the long-term benefits of coordinating multi-disciplinary teams to deliver its construction, investment and management expertise, via a single interface. From inception to completion, Dragages understands that the PPP relationship between the contractor and the client is a solution that optimises cost and efficiency.

Led by Dragages, AsiaWorld-Expo is considered a case-study example of PPP. A first in Hong Kong, Dragages was involved in all aspects of the design, construction and management of the venue, in partnership with public and private sector partners. Building on the success of AsiaWorld-Expo, Dragages led the PPP bid to construct the Hong Kong SkyCity Marriott Hotel.

Bouygues Construction, Dragages' parent company, is a leading international player in PPP and brings almost 15 years experience including hospital, school and major infrastructure projects.

- Build ▪ Design ▪ Finance ▪ Maintenance
- Management ▪ Operate

- a AsiaWorld-Expo
- b The Hong Kong SkyCity Marriott Hotel





Kai Tak Airport Runway



Plover Cove Reservoir



Liu To Bridge



Pacific Place - Phase II



Kwun Tong Bypass - Phases II & III



Hong Kong Stadium Redevelopment



Cheung Tsing Tunnel



Rambler Channel Bridge



Rambler Channel Rail Bridge



Cathay Pacific Catering Centre



KCRC - Kwai Tsing Tunnels



AsiaWorld-Expo

## Dragages established a presence in Hong Kong in 1955 when it was awarded the contract to redevelop the runway at Hong Kong's first international airport, Kai Tak.

- 1950s**
  - Kai Tak Airport Runway
    - > A 2-km long runway constructed over the seabed
  - Shek Pik Reservoir
- 1960s**
  - Lion Rock Tunnel - Phase I
  - Plover Cove Reservoir
    - > The first 'reservoir in the sea' over the world
- 1970s**
  - Kwai Chung Container Terminal Reclamation Works - Berth No.1
  - Lion Rock Tunnel - Phase II
  - Lok Fu MTR Station and Tunnels
  - Admiralty and Central MTR Stations
  - Aberdeen Tunnel
  - Tsuen Wan Bypass - Phase I
  - Kwai Fong and Kwai Hing MTR Stations
  - Tsuen Wan MTR Station and Depot
- 1980s**
  - HSBC Main Building
  - Tai Koo MTR Station and Tunnels
  - Wan Chai MTR Station
  - Liu To Bridge
    - > Adoption of incremental launching method
  - Route 5 - Shing Mun Tunnel
  - Hong Kong Park
  - Pacific Place - Phase II
    - > Adoption of table form system & the achievement of 4-day cycle
  - Kwun Tong Bypass - Phases II & III
    - > A 120-metre long launching girder in operation
  - The University of Hong Kong Main Library - New Wing
- 1990s**
  - Cityplaza - Phases III & IV
  - Modern Terminals Warehouse - Phase II
  - City University of Hong Kong - Phase II
  - Hong Kong Stadium Redevelopment
    - > The largest outdoor multi-purpose entertainment and sports venue
  - Kai Tak Airport Taxiway Bridge
  - Central Reclamation - Phase I
  - Cheung Tsing Tunnel and Viaducts
    - > The first three-lane twin tube tunnel
  - Happy Valley Racecourse Redevelopment
  - Rambler Channel Bridge
  - Centralised Government Godown
  - Hong Kong Convention and Exhibition Centre Extension
  - Rambler Channel Rail Bridge
    - > The largest precast segment produced for a segmental bridge, each weighs 120 tonnes, 8 metres high
  - Route 3 - Country Park Section
  - Cathay Pacific Headquarters
  - Cathay Pacific Catering Centre
    - > Largest in Hong Kong, and one of the world's most sophisticated flight kitchen
  - HAECO Maintenance Hangars
  - French International School Extension
  - StarCrest
  - Tseung Kwan O - Primary and Secondary Schools
  - KCRC - Kwai Tsing Tunnels
    - > The first mixed ground earth pressure balanced tunnel boring machine
  - KCRC - Tai Lam Tunnel
  - Public Housing Projects - Tseung Kwan O and Aldrich Bay
  - Government Quarters at Lai King
  - Government Quarters at West Kowloon
  - Hang Hau MTR Station and Tunnels
  - Les Saisons
  - The University of Hong Kong - Li Ka Shing Faculty of Medicine
- 2000s**
  - Kowloon Motor Bus Depot
  - TVB City
  - CLP - Cable Tunnels and Crossing
  - KCRC - Lok Ma Chau Spur Line Tunnels
  - AsiaWorld-Expo
    - > The first Public-Private Partnership project led by a private consortium
  - East Tsing Yi Viaduct
  - CLP Castle Peak Cable Tunnel
  - The Venetian Macao-Resort-Hotel
  - Ocean Park Redevelopment
  - The Hong Kong SkyCity Marriott Hotel
  - Hong Kong West Drainage Tunnel
  - New Civil Aviation Department Headquarters
  - MTR West Island Line - Sheung Wan to Sai Ying Pun Tunnels

> First / largest in Hong Kong

# BRINGING GLOBAL EXPERIENCE TO EVERY PROJECT

Dragages has grown substantially with the support of its parent company, Bouygues Construction. As a global leader across all construction disciplines, and with operations in some 80 countries, Bouygues Construction brings a wealth of international experience and networks to Dragages Hong Kong.

Together Bouygues Construction and Dragages combine the power of a large group with the flexibility of a network of companies. Employing 53,700 people worldwide, the Group generated sales of €9.5 billion in 2008.

Bouygues Construction, in turn, is part of the Bouygues Group. The Group founded in 1952 is one of the largest French conglomerates, with diverse businesses that are world and European leaders in their own right.

