A tale of 3 places –
An Update/Review of Contemporary
Construction Practice in
Hong Kong, China and UK
Part 1a, Guangzhou

Speaker: Raymond Wong Wai-man City University of HK 31 May 2018 Raymond Wong has been studying the construction practices of Hong Kong and China for more than 20 years. Last summer, he has been to UK for a few weeks to continue his field studies with a focus on urban development and various construction project cases.

After his returning from the trip, he thinks of a new seminar title to share with his professional fellows. He will summarize and make a presentation to illustrate the contemporary construction practice in these 3 places that he is quite familiar, in particular Hong Kong and China. In this talk he will highlight the common practice as well as the differences in the use of construction techniques and work set-up when handling construction projects especially for those with a relatively large-scale and complex nature.

What is construction? Below is some simplified interpretation from the speaker's prospective:

- The process to construct something no matter they are very big in size or not exactly involving building or civil work nature. (for example to develop a new town or new urban zone)
- The work structure, organization, managerial arrangement and mechanism behind the entire process that make such construction possible.

The speaker, Ir Raymond Wong, is more focused on the construction process of projects on various nature as a major part of his professional studies.

Construction can be in various forms. Below is some major categories of construction projects:

- Building construction.
- Civil construction.
- Special construction/structure/facilities
- Urban/city developments

Speaking in a professional way, either building or civil construction can be sub-divided into some very different sub-categories, such as:

Building work – building of very large size/superhighrise, building constructed in RC/structural steel/precast ...., building with extremely challenging structure elements, buildings in extremely complicated forms/shape/spatial layout.

Civil work – transportation facilities, underground construction, tunneling, slope work, reclamation, marine work, port and airport development, bridge construction ....,

What is construction practice? Below is some simplified interpretation from the speaker's prospective:

- Construction planning to make the site work be able to carry out in an efficient and cost-effective way. (construction program, method statement)
- Setting up of the site in order to perform all the construction work. (site layout planning in various stages)
- Provide the facilities that make construction works be workable. (equipment and other logistics set-up, safety provisions, all the required temporary works)

Part 1
Contemporary Construction Practice in HK

To be continued in the latter session due to prioritizing overseas' practices

Part 2
Contemporary Construction
Practice in China

China construction practices, the old days and the old way, about 15 to 20 years ago Guangzhou





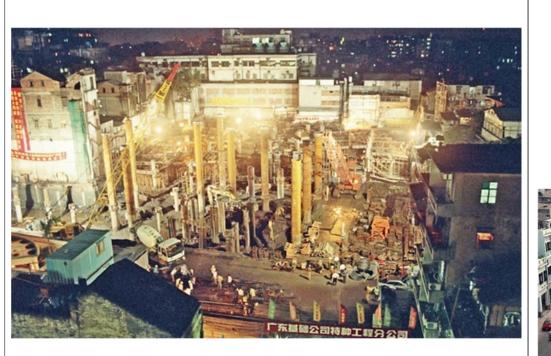












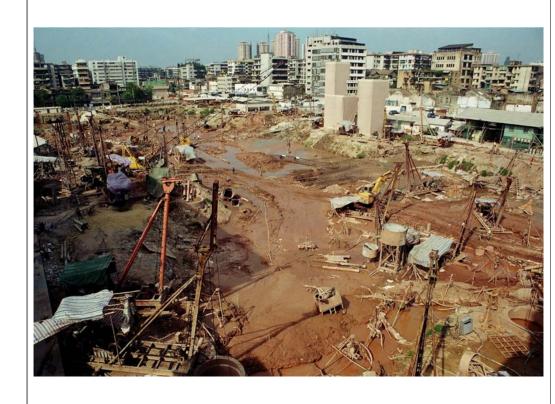


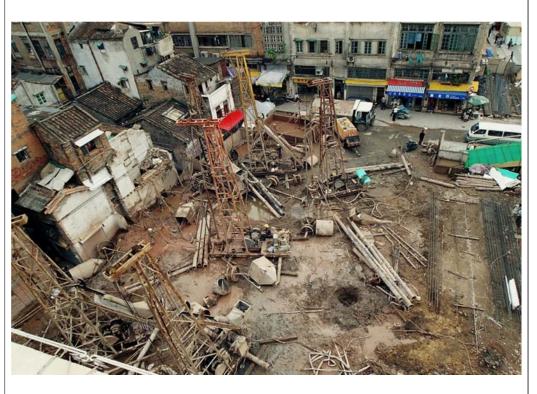




Property development for the GZ Metro Line 1 in Huangsha Station

Some old ways for foundation works









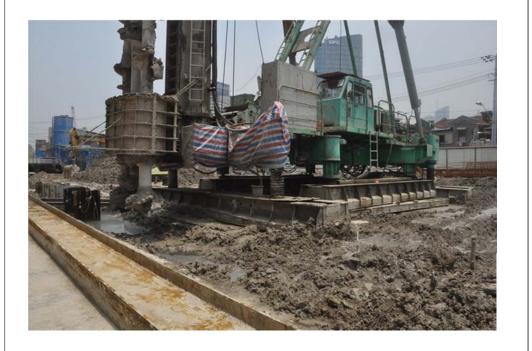




















Some old ways for works in public spaces







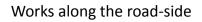






































Some images reflect the harsh and difficult livelihood of construction workers



Join hands can give strength











Site delivery team











Good partner working on top as a support to excavation inside a caisson shaft











Circus show inside construction site. Let's go mountaineering





Juvenile workers

























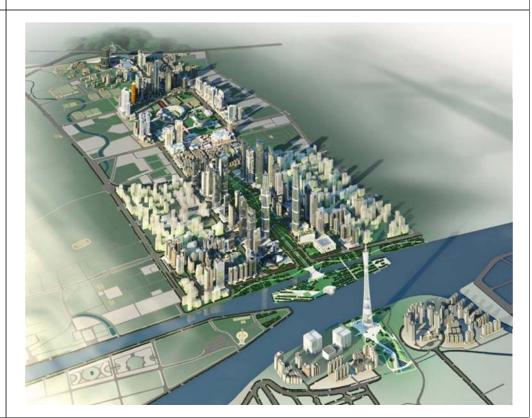








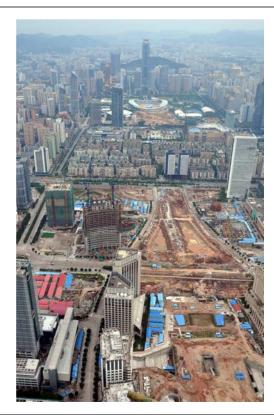
Case Reference Development of Guangzhou new city Axis









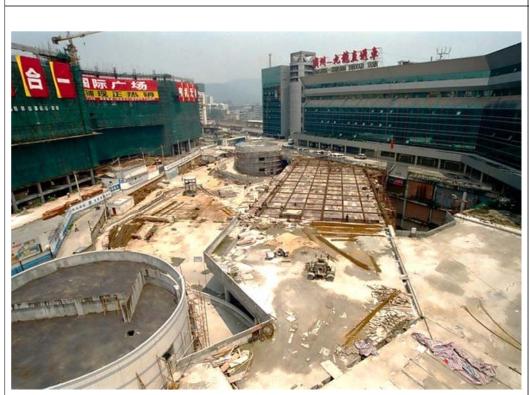








Construction of the GZ East Station (extension in early 2000s





The southern end of the new GZ city axis



GZ new axis as seen in late 1990s & early 2010s







GZ new city Axis under construction in late 2000s







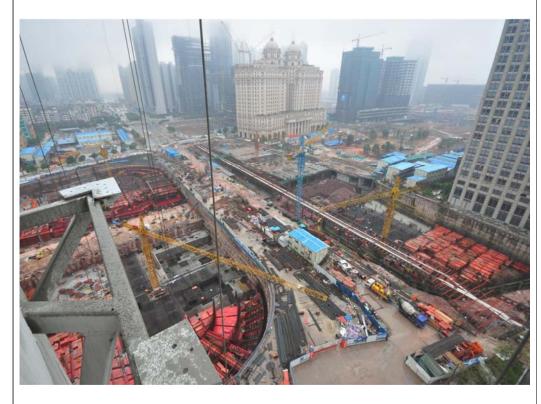
















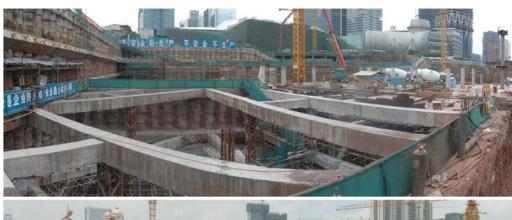


















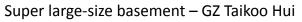


Road and utility diversion



Super large-size basement









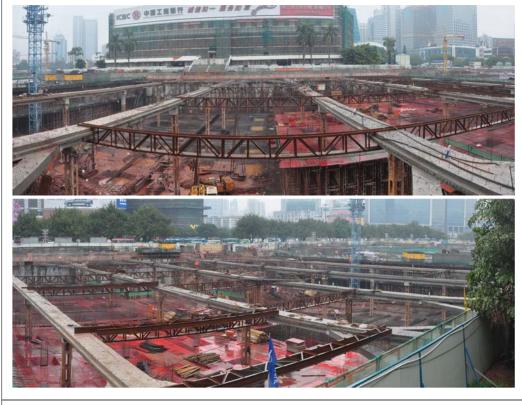












Some iconic commercial developments











The application of technology in construction and work set-up for sites













































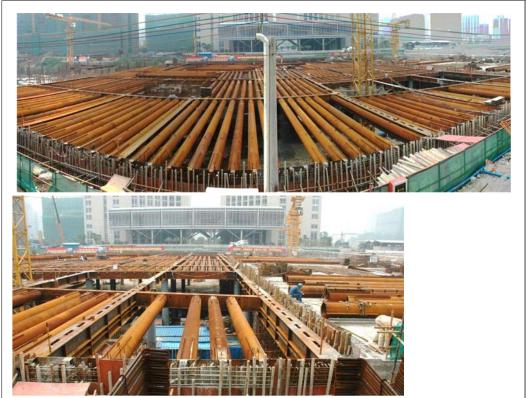


















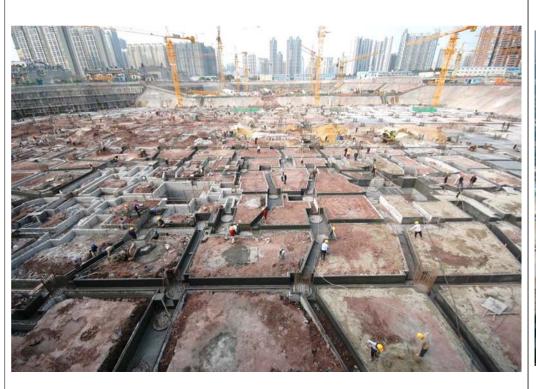
























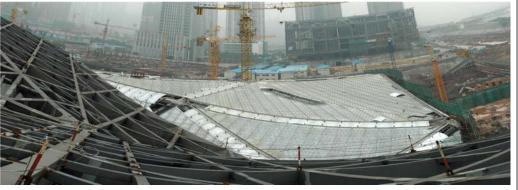


































New roadway leading to the Liedi Bridge forming a new south-north running truck-road relieving the overall travel of GZ







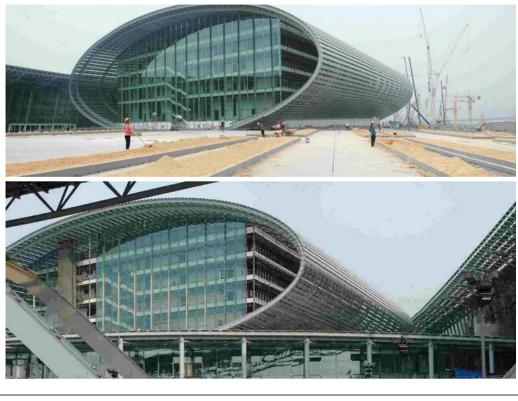








Guangzhou Convention and Exhibition Centre











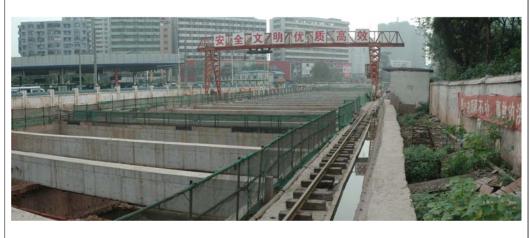
Guangzhou Convention and Exhibition Centre



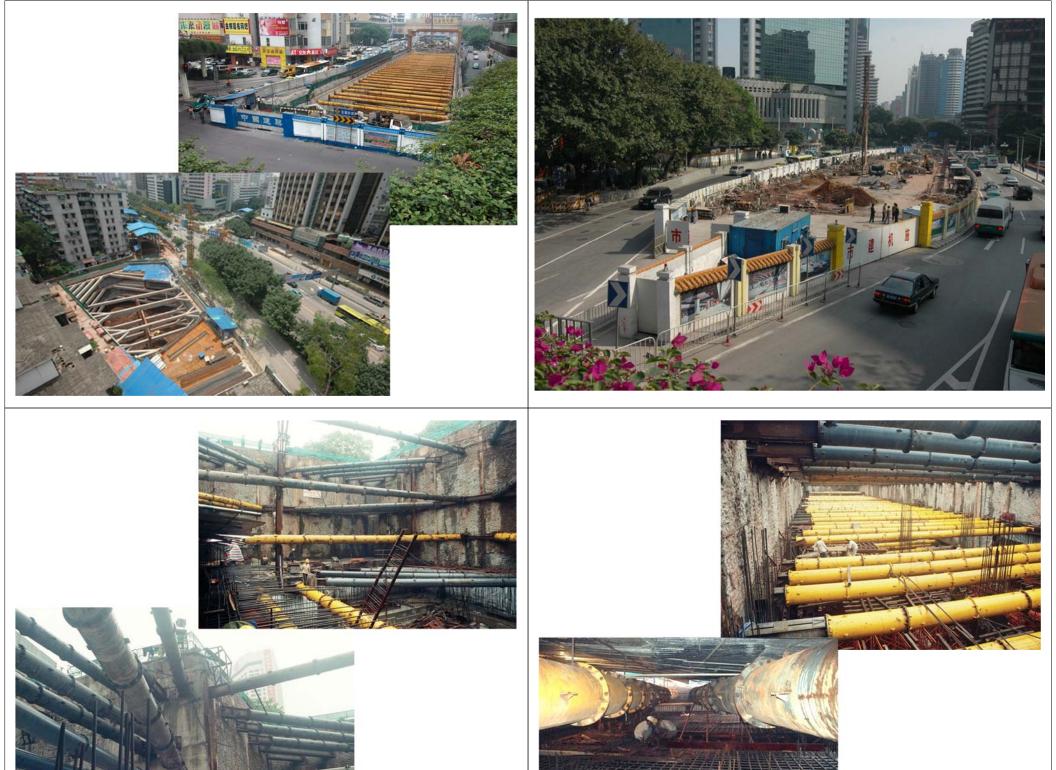




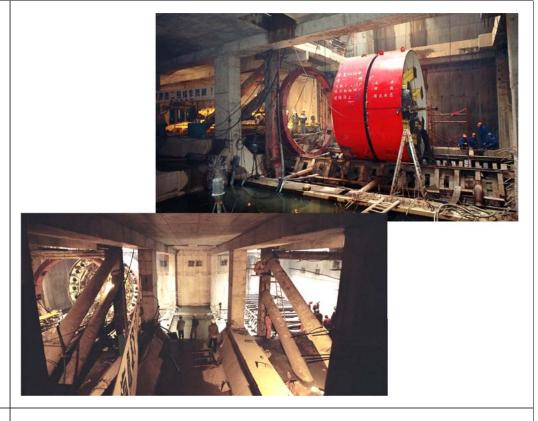




































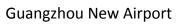
Close-up of the train wagon

















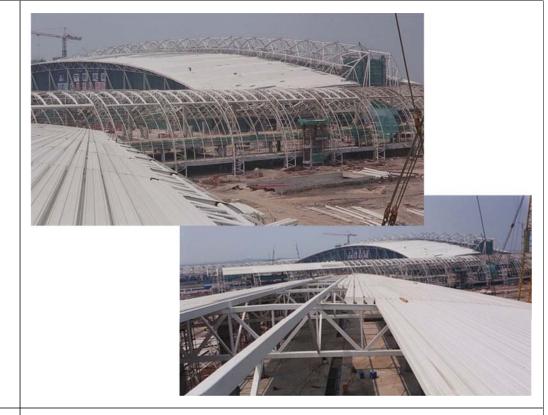
























Some images record about the Construction of the Shenzhen Metro , Line 1 and 2











