



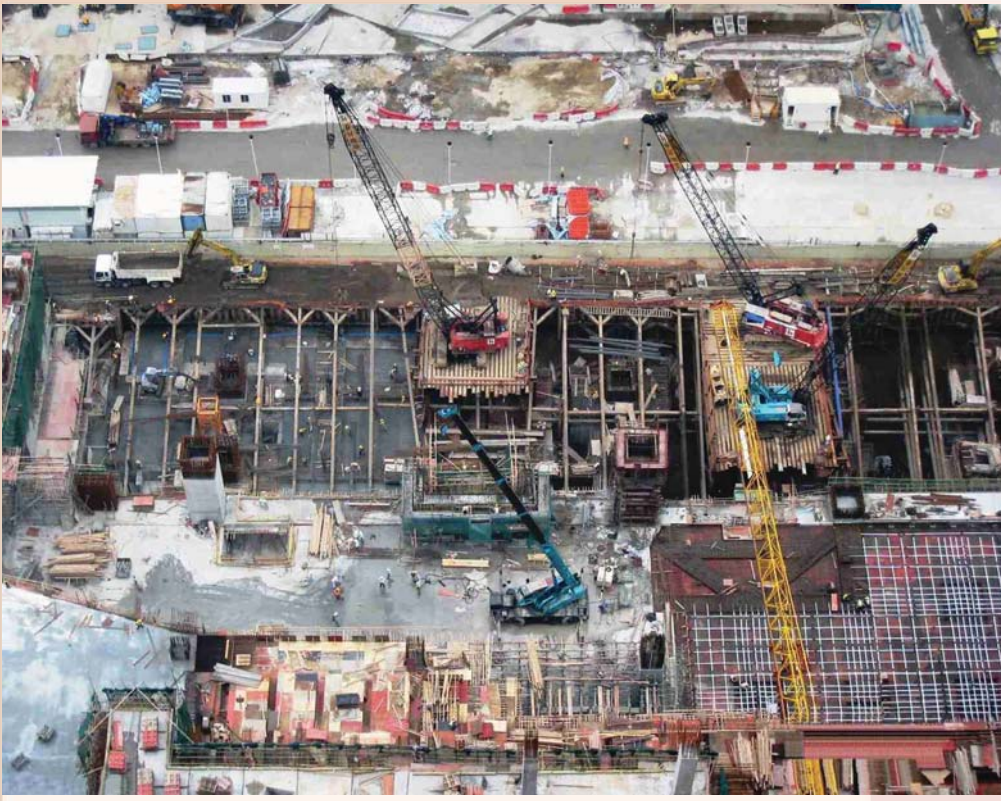
泰昇地基
TYSAN FOUNDATION

**South East Podium and Tower 5B
Substructure Works for Parcels 5 and 6
(Work Package No. 51275)**

**東南平台及5B大樓
第五、六期之底層結構
(工程號碼51275)**

Project : The Cotai Resort Development in Macau
Client : Venetian Orient Limited
Architect : Aedas LPT Limited
Engineer : Ove Arup & Partners Hong Kong Limited
Construction Period : August 2007 to June 2008
Location : Cotai Strip, Macau

工 程 : 氹仔渡假村發展項目
客 戶 : 東方威尼斯人有限公司
建 築 師 : 凱達柏濤有限公司
工 程 師 : 奧雅納工程顧問香港有限公司
施 工 期 : 2007年8月至2008年6月
位 置 : 澳門氹仔



South East Podium and Tower 5B Substructure Works for Parcels 5 and 6 (Work Package No. 51275)

This substructure works included ELS, pile caps, ground beams and slabs for the South East Podium portion and Tower 5B. The works at Tower 5B involved deep excavation of average 11M below existing ground level in very weak ground conditions. Location of the excavation was close to the boundary with the adjacent site and to mitigate against ground movement, the works were carried out in 3 stages utilizing 12 cofferdams. ELS works comprised 18,160M² of Grade IV & V sheet piles with 3 to 5 layers of strutting (3,600 tons of steel). Due to lack of working space around the perimeter of the excavation works, several temporary working platforms also needed to be constructed during the course of the works.

東南平台及5B大樓 第五、六期之底層結構 (工程號碼51275)

這項底層結構工程包括為東南平台及5B大樓進行挖泥裝頂、樁帽、地台樓板及橫樑工程。5B大樓工程需於不穩固的地層進行深層挖掘，其平均深度達地下11米。進行挖掘的地方與鄰近地盤的邊界很接近，因此工程分3階段使用12個圍堰壩，以減低地面沉降的問題。挖泥裝頂工程涉及18,160平方米的四號及五號圍板及3至5層總重量達3,600噸的工字鋼材支撐。由於施行挖掘工程四周的工作空間不足，工程進行期間需建造數個臨時工作台。