



泰昇地基  
TYSAN FOUNDATION

**Sands Casino Extension, Macau**  
**Bored Piling and Pile Cap Works**

Project : Sands Casino Extension, Macau  
Client : Venetian Macau Ltd  
Architect : Aedas (Macau) Ltd  
Engineer : Ove Arup & Partners Hong Kong Ltd  
Construction Period: August 2005 to February 2006  
Location : Adjacent existing Sands Casino in Macau

**擴建澳門金沙賭場**  
**鑽孔樁及樁帽工程**

工 程：擴建澳門金沙賭場  
客 戶：威尼斯人澳門有限公司  
建 築 師：凱達杓濤(澳門)有限公司  
工 程 師：奧雅納工程顧問香港有限公司  
施 工 期：2005年8月至2006年2月  
位 置：緊貼現時澳門金沙賭場





## **Sands Casino Extension, Macau**

### **Bored Piling and Pile Cap Works**

Foundation works involved 3 nos. 1.5m dia., 6 nos. 2.0m dia. and 19 nos. 2.5m dia. bored piles of average depth 65m. Due to its close proximity with the existing functioning Sands Casino which is resting on daido piles, 9 nos. of bored piles were constructed with left in casing of 30m length. Difficulties encountered at this site were access, working space and overcoming boulder obstruction in a number of bored piles. Works also involved construction of pile caps in phases in conjunction with the on-going bored piling works. Piling and pile caps were successfully completed within 170 days which saved over 2 months in programme for the client. Due to the good reputation of Tysan in Macau, a separate contract for the podium superstructure works was also awarded to Tysan.

## **擴建澳門金沙賭場**

### **鑽孔樁及樁帽工程**

這項地基工程包括建造3支1.5米直徑、6支2米直徑、19支2.5米直徑而平均深達65米之鑽孔樁。由於施工位置極之接近由大同樁承托並已運作之金沙賭場，當建造其中9支最接近金沙賭場的鑽孔樁時，特意留下30米長原應取出的臨時鋼管，以儘量減低建造鑽孔樁時對金沙賭場的影響。這地盤要面對包括通道、工作空間等困難及要克服在建造大部份鑽孔樁時遇到地下散石層的問題之情況。而工程亦牽涉在不同階段建造樁帽以配合不斷進行之鑽孔樁工程，打樁及樁帽工程成功地於170天內完成，比客戶之計劃省下超過2個月的時間。由於泰昇在澳門信譽良好，所以亦同時取得另一份這擴建大樓的平台上蓋建築工程合約。