

FOUNDATION ENGINEERING

Bab Al Qasr Hotel & Emirates Pearl (Grand Hyatt Hotel & Residences)

HOTELS • DEEP EXCAVATION • DIAPHRAGM WALL • GROUND ANCHORS • ROTARY BORED PILES



Client

Tourism Development & Investment Company (TDIC) / Atlas Telecom JV & Emirates Morocco (Emroc)

Consultant

Arkan - RWT & Surbana - APG

Main Contractor

NSCC International

Location

Abu Dhabi, UAE

Start Date

3 February 2008

Completion Date

September 2009

Project Details

Currently the deepest dig in Abu Dhabi and a very specialised project due to the excavation's depth of 20 m, and close proximity of the sea and nearby buildings.

D-Wall Length	: 465 LM
Shoring Depth	: 24.5 m & 26.5 m
Excavation	: 500,000 m ³
Anchors	: 722 nos.
Struts (two levels)	: 1.0 & 1.2 m dia.
Number of Piles	: 858 nos.
Reinforcement Steel	: 4,372 tons
Concrete Volume	: 20,376 LM
Total Length Drilled	: 18,488 LM

