

GROUND IMPROVEMENT

Lotus Hotel Ground Enhancement Works

Underpinning of existing basement

HOTELS & LEISURE • TUBE A MANCHETTE (TAM) GROUTING • MICRO-PILING



Client

Wasl LLC

Consultant

WSP Middle East

Main Contractor

NSCC International

Location

Dubai, UAE

Start Date

April 2016

Completion Date

November 2016

Project Details

Micropiles

Length	: 15 m
Number of piles	: 312
Total length drilled	: 4,680 m
Cement	: 233.5 tons

TAM Grouting

Grouting pipes	: 582 nos.
Pipe length	: 3.5 - 4.5 m
Total length installed	: 2,132 m
Cement	: 262.6 tons
Through the TAM valves 136,609 litres of grout were permeated through the surrounding soil.	

Area of treatment	: 1,832 m ²
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