

FOUNDATION ENGINEERING

Immersive Tower

By DIFC

COMMERCIAL • OFFICES • STATE-OF-THE-ART • ROTARY BORED PILES • SECANT PILED WALLS



Client

DIFC Investments Ltd.

Consultant

Dar Al Handasah

Main Contractor

NSCC International

Location

Dubai, UAE

Start Date

May 2024

Completion Date

December 2024

Project Details

Immersive Tower by DIFC, is a state-of-the-art high-rise tower with a modern architectural style, standing at approximately 180 m high. The tower serves as a premium office building complemented with high-end restaurants and various amenities

Large Diameter Rotary Bored Piles

1000 mm dia. piles : 142 nos., drilled to depths up to 24 m

1500 mm dia. piles : 167 nos., drilled to depths up to 24 m

Total length drilled : 8,280 LM

Secant Piled Wall

Perimeter : 287 m

Retained height : 20.5 m

780 mm dia. piles : 454 nos. @ 630 mm c/c spacing

Total length drilled : 8,328 LM

Concrete volume : 13,762 m³

Reinforcement steel : 1,290 tons

Excavation volume : 139,107 m³

Ground anchors : 33 nos.

Struts : 14 nos. of 863.6 mm dia. pipes