

FOUNDATION ENGINEERING

Development of Port of Sokhna Basin 2 & 3 Extension and Basin 4 & 5

PORTS & SHIPPING • BARRETTES • DIAPHRAGM WALL • ROTARY BORED PILES • DEEP EXCAVATION



Client

Egyptian Ministry of Transportation

Consultant

Dar Al Handasah

Main Contractor

The Arab Contractors (211516) / Petrojet (211517)

Location

Suez Governorate, Egypt

Start Date

October 2021

Completion Date

February 2023 (211517) & May 2023 (211516)

Project Details

Diaphragm Wall

Length : 672 m
Depth of wall : 41.6 - 29.6 m
Retained height : 19.6 m
Thickness : 1,200 mm

Concrete volume : 25,881 m³
Reinforcement steel : 6,654.8 tons

Rotary Bored Piles

1200 mm dia. : 452 nos.
Average depth : 43.6 - 29.6 m
Total length drilled : 14,892 LM

Concrete volume : 16,834 m³
Reinforcement steel : 3,139.6 tons

Barrettes

2800 x 800 mm : 151 nos.
Average depth : 40.17 m
Total length drilled : 7,270.6 LM

Concrete volume : 10,537 m³
Reinforcement steel : 2,528 tons