

GROUND IMPROVEMENT

Vibro Compaction at Port of Duqm

For construction of roads, infrastructure & building works

PORTS • VIBRO COMPACTION



Client

Special Economic Zone Authority of Duqm (SEZAD)

Consultant

Serka-MSF JV

Main Contractor

Royal Haskoning, Khatib & Alami

Location

Duqm, Oman

Start Date

March 2017

Completion Date

March 2018

Project Details

Soil improvement of the Commercial Terminal and operational zones by means of vibro compaction. The objective of the treatment is to enhance the soil bearing capacity and mitigate the risk of liquefaction.

Phase 1

Average depth : 18 m
Volume : 8,544,042 m³
Area of treatment : 474,669 m²
Equipment used : 4 nos. of tandem rigs with B42 Vibroflot

Phase 2

Average depth : 18 m
Volume : 3,600,000 m³
Area of treatment : 200,000 m²
Equipment used : 3 nos. of tandem rigs with B42 Vibroflot