

GROUND IMPROVEMENT

Baniyas Square Substation

Non-Vibratory Stone Columns Work

UTILITIES - ELECTRICITY • VIBRO REPLACEMENT (STONE COLUMNS)



Client
DEWA

Consultant
Derby Designs Engineering

Main Contractor
Larsen & Toubro Ltd

Location
Dubai, UAE

Start Date
February 2021

Completion Date
April 2021

Project Details

Vibro Replacement

Method	: Non-vibratory (dry bottom feed)
Stone columns	: 810 nos.
Diameter	: 1000 m & 800 m
Average depth	: 9.4 m
Total linear metre	: 7,610.15 LM
Volume	: 5,696 m ³
Area of treatment	: 1464.3 m ²
Equipment used	: BG28 rig equipped with non-vibratory dry bottom feed assembly