

Zuha Island

The World Islands, Dubai, UAE

Ground Improvement up to 18m from the working platform level.



The project

Zuha Islands by Zaya is a collection of 30 ultra-luxury waterfront villas on a private island in Dubai, United Arab Emirates.

As part of construction Zuha Island at world island – Dubai – U.A.E, Keller carried out Ground Improvement work using Vibro Compaction for the full island area in order to improve the in-situ weak soil, prior to the start of the villa's construction.

The challenge

- Offshore logistics
- Ground Improvement close to the slopes

The solution

Keller adopted ground improvement method using the Vibro Compaction technique to improve the bearing capacity of the ground up to 18.0m from WPL.

Project facts

Owner(s)

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Keller business unit(s)

Keller Foundations Contracting

Main contractor(s)

Keller - Dubai Branch

Solutions

Ground improvement

Markets

Residential

Techniques

Vibro compaction