

Mohammed Bin Rashed City, District One - Phase 3

Dubai, UAE

Successfully completed ground improvement works on schedule despite challenges posed by a nearby quiet neighborhood, ensuring minimal disruption and adherence to project timelines.



The project

Ground improvement works at Mohammad Bin Rashid Al Maktoum City District One – Phase 3 Villas in Meydan area located in the heart of Dubai, covering 420,000m² using Dynamic Replacement (DR) and Rapid Impact Compaction (RIC) techniques.

The challenge

Working under UAE summer conditions with restricted night shifts due to quiet neighbourhoods and a tight schedule requiring periodic handovers during the project.

The solution

Ensured rigorous quality assurance through internal CPT testing to minimize rework, optimized energy application for varying soil behavior, and allowed extended shifts with restrictions near residential areas while providing operator comfort with air-conditioned rigs during summer break hours.

“ Keller did a great job on site, that reflected their reputed name.

Mohammad Al Qarout
Project Director, Binladin Contracting Group

Project facts

Owner(s)

-

Keller business unit(s)

Keller Foundations Contracting

Main contractor(s)

-

Solutions

Ground improvement

Markets

Residential

Techniques

Dynamic replacement
Rapid impact compaction (RIC)