

27MW METRO VAN STADEN WIND FARM

South Africa



Project Facts

Product

Dynamic Compaction

Market

Renewable Energy

Client

Basil Read Matomo

Main Contractor

Newport Construction (Pty) Ltd.

Key Achievements

- Pounder design refined
- Finished within programme
- Professional teamwork

About the project

In 2013, Newport Construction subcontracted Dynamic Compaction for 9 No. Wind Turbine bases founded along the South Coast of South Africa.

Challenges

The challenges faced on site, consisted of logistics as the site was located in a rural setting, the access was restricted to the reduced platforms which were below natural ground level and required a specific sequence.

G7 class material was required for filling the crater holes as some excavated material was not suitable.

The Pounder shape impacted on production.

The solution

The design was provided by the Client and required a 7-stage process to be followed. Once the Ironing was complete, quality checks in the form of 3 No. plate load tests per base, together with CSW testing, were completed, all passing the requirements.

"Our Teams first renewable project in South Africa was handled with ease and we look forward to providing more of the same"
Site Manager George Van Breda