

# Genius Paving & Walls Introduces Dynamic Cone Penetrometer For Site Assessments

*Cape Town paving contractor adopts soil testing equipment to support stronger paving design and installation planning.*

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/EINPresswire.com/ -- [Genius Paving & Walls](#), a Cape Town-based paving contractor, has announced the integration of a Dynamic Cone Penetrometer (DCP) into its site assessment and paving design process as part of the company's continued focus on structural reliability and long-term paving performance.



paving in cape town

The Dynamic Cone Penetrometer is a soil testing tool commonly used in civil engineering and road construction to evaluate ground strength and soil compaction. By measuring the resistance of soil layers beneath the surface, the equipment provides information that can assist in determining suitable base preparation requirements before paving installation begins.

According to the company, the addition of DCP testing will help improve decision-making during the planning stage of paving Cape Town projects, particularly in areas where soil conditions, moisture retention, or previous ground disturbance may affect long-term surface stability. The testing process allows installation teams to identify weak subgrade conditions before construction starts, reducing the likelihood of future movement, cracking, or surface settlement.

A representative for Genius Paving stated that proper groundwork remains one of the most important factors in paving durability. "Many paving failures originate below the surface due to inadequate compaction or unstable soil conditions. The use of a Dynamic Cone Penetrometer provides additional data during assessments, allowing paving designs to be adjusted according to actual site conditions," the representative said.

The company noted that the testing process will support both residential and commercial paving contractor Cape Town projects, including driveways, walkways, patios, and high-traffic paved surfaces. By incorporating soil strength analysis into the assessment stage, the company aims to improve base depth planning, material selection, and drainage considerations.

Industry professionals increasingly recognise the importance of geotechnical evaluation in paving and surface construction, particularly in regions where varying soil types and seasonal moisture changes can influence structural performance. The adoption of DCP testing aligns with broader construction industry practices focused on reducing long-term maintenance costs and extending pavement lifespan.

Genius Paving stated that the new assessment process forms part of a broader investment in technical equipment and installation standards. The company continues to provide paving assessments and quotations for clients across Cape Town and the surrounding areas.

#### About Genius Paving

Genius Paving is a professional [paving contractor based in Cape Town](#), South Africa, specialising in residential and commercial paving installations. The company offers driveway paving, patios, pathways, pool surrounds, and custom paving solutions with a focus on structural integrity, proper drainage, and long-term durability. Genius Paving serves clients throughout Cape Town and nearby regions.

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