

R™ **ROADLAB** Non-Destructive Testing



Our Services

Our non-destructive services offer **unparalleled insight** into bridges, reservoirs and large concrete structures.

We can assess the integrity of your concrete works and locate cracks, voids and other integrity issues **without destroying or sampling your structures.**

We also produce 3D interpretations of **the rebar in your concrete structures**, precisely located using augmented reality, as well as **underground maps of earthworks** to reveal all service lines, voids and pipes for up to 10m.

Our Concrete Technologist is ready to assess your concrete works and offer **practical recommendations** for your project as well as any provide any **sophisticated or sensitive interventions** that your projects may require.

General Enquiries

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Roadlab is a level 1 BBEE contributor with accredited SANAS 17025 (2017) laboratories.

Ground Penetrating Radar (GPR)

Our state-of-the-art non-destructive surface penetrating systems can give you accurate and meaningful insight into any concrete structure.

This includes rebar mapping and locating pre and post tensioned cables, pipes, drains, water lines and live wires to 10m deep.

Once the scans are complete, we provide real interpretations of your structures, earthworks and the ground beneath your feet.



Ultrasonic Pulse Echo and Velocity

This equipment allows us to locate sub-surface targets in concrete to assess material integrity.

By measuring the velocity of an ultrasonic pulse passing through concrete, we can detect honey combing, slab thickness and crack depths on one or both sides of the concrete element.



Leading in Expertise

Our state-of-the-art surface penetrating systems can give you accurate and meaningful insight into any existing concrete structure.

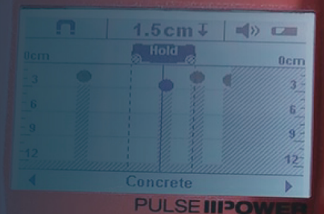
This includes reliable and sophisticated rebar mapping as well as locating pre- and post-tension cables and identifying integrity issues.



Crack Width Meter

This determines the width of cracks in concrete structures, walls, floors, tunnels and bridges,

The photographic recording system we employ enables us to provide highly accurate and immediate results, allowing you to better address this critical integrity issue.



Services Scanning

Get real-time interpretations of the ground beneath your feet without the need for drilling or sampling.

We can provide you with real-time interpretations and detailed mapping of earthworks, work sites and private land up to 10m deep, showing drain pipes, electrical lines, fibre lines and more.



Leading in Experience

After 58 years, we understand the dynamics of construction.

Rather than specialise in one material, our experience is in everything that could impact the success of your projects, from foundations and earthworks to concrete scanning.

We see the whole picture. With us, you will too.



Leading in Expertise

With Roadlab, you get access to more than our technicians.

Our concrete technologist can provide you with perfect subsurface maps and real-time interpretations of the ground beneath your feet up to 10m deep.

Our transport technologist can assess layerworks on-site, interpret and verify designs and conduct road evaluations using non-destructive techniques.



Leading in Capacity

Our machines, methods and staff are best-in-class.

Based throughout South Africa, our experienced teams are equipped to deliver a wide range of results you can trust.

Whatever your project, we can provide any laboratory service, material assessment or geotechnical investigation you require.



Leading in Coverage

For us, no project is too remote.

Our national network of facilities and vehicles allows us to rapidly respond to your needs and maintain our relationships.

With the widest national coverage, Roadlab is your go-to partner for materials testing, no matter the location.

