



YOUR PARTNER IN STRUCTURAL MEASUREMENT

SCMS Africa strives to build and maintain a profitable world class inspection, calibration and measurement outfit, which dominates within our trading markets with the best innovative engineering, inspection, integrity systems and solutions by a process of developing, empowering and retaining committed personnel.

It is our mission to continuously provide advanced, state of the art innovative calibration, inspection, measurement & utility detection solutions to the African market in the petrochemical, structural, civil, construction, mechanical and mining industries.

We are striving to become an indispensable asset to the industry without sacrificing quality and service over quantity.

It is our focus to build solid long term relations with our customers and to effectively partner with them in achieving their goals and successfully complete their projects safely, on time and under budget.

Our open door policy means you are able to communicate with all employees at any level.

GET IN TOUCH

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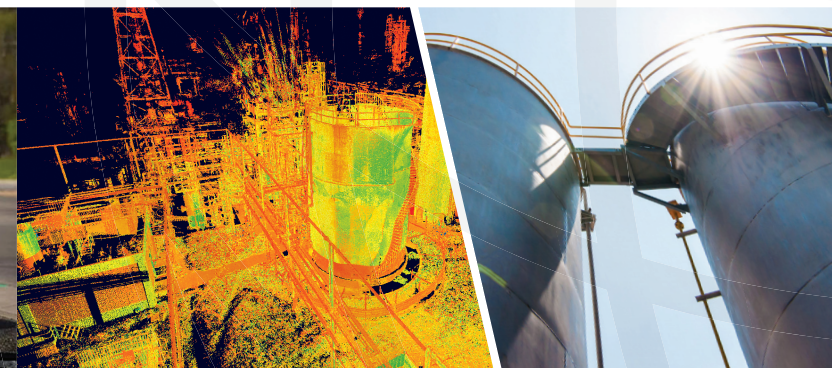
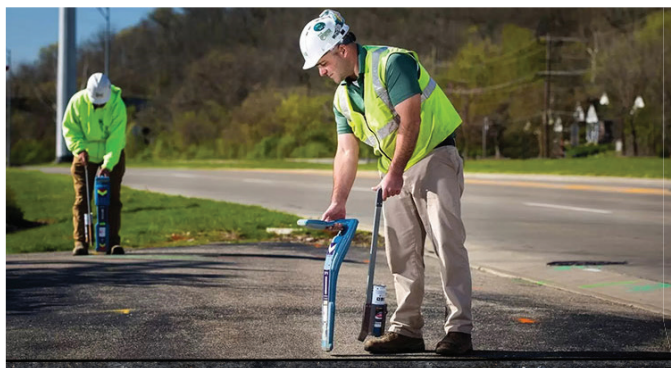
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B-BBEE COMPLIANCE

South Africa's B-BBEE policy is not simply a moral initiative to redress the wrongs of the past. It is a pragmatic growth strategy that aims to realise South Africa's full economic potential: to distribute wealth across as broad a spectrum of previously disadvantaged South African society as possible.

CORPORATE COMPANY FLYER



Specialised Calibration & Measurement Solutions Africa

OUR SERVICES



TANK CALIBRATION

The **E.O.D.R.** calibration scope can be applied to tanks in and out-of-service operational conditions, therefore an inefficiently operating tank can be calibrated as accurately with all the necessary corrections in terms of the hydrostatic head, deadwood displacement, thermal expansion etc. For IFR / IFB storage tanks, critical zone volume displacement calculations are calculated accordingly for additional accuracy within the open volume of vertical storage tanks.

In addition innage, ullage and ATG tables/reports are readily generated at the push of a button.



TANK SETTLEMENT

During our on-going pursuit to provide the best calibration services we followed the natural progression into developing comprehensive tank measurement solutions.

These tank measuring services thus enable us to survey and analyse vertical storage tanks for structural anomalies which impair and subsequently compromise the efficiency and integrity of a vertical storage tank.



3D SCANNING

In addition to tried and trusted conventional measuring methods, we are proud to have included point cloud technologies, slowly being recognised as the preferred method for accurately capturing measured site data in using 3D laser scanning instruments.

3D laser scanning instruments continue to improve with their accuracy and streamlining of scan file registration a cost effective and safer solution. These improvements alongside SCMS Africa developing our surveying methods, has resulted in our accomplished surveyors being able to complete large scan surveys using multiple instruments efficiently and concurrently.



UNDERGROUND UTILITY DETECTION (GPR)

Ground Penetrating Radar & Electro Magnetic Locator

Radiodetection offers a wide selection of Electromagnetic, Ground Penetrating Radar, Acoustic and Magnetic locating solutions that can help identify subsurface utilities and their exact depth, helping operatives to dig safely.

**Reduces Risks • Saves Time • Reduces Cost
• Avoid Penalties**

THE BENEFITS

After meticulously scrutinising and testing all calibration methods available locally and internationally, SCMS Africa selected the E.O.D.R. (Electro Optical Distance Ranging) method to ensure we are at the forefront of providing accurate and advanced state of the art calibration and measurement services to the market in the petrochemical, structural and mechanical industry.

This methodology would have the following benefits:



BENEFIT 1 EQUIPMENT

- Due to its ability, the **E.O.D.R.** code enables us to utilize equipment which accurately measure safety heights, maximum tank volume efficiency and evaporation heights of floating roof tanks
- Report turnaround time is minimised due to data accumulation and processing integration
- As per code requirements, insulated tanks with 'lagging' can be accurately calibrated with the required corrections
- Our mechanical engineering and quality assurance team is available to provide quality assurance to validate all calibrations

ADDITIONAL SERVICES

Our service offering is not limited to tank calibration and tank settlement survey's. As we do have the pertinent equipment and expertise, we additionally perform, but are not limited to, the following additional services:

- Storage tank & piping inspection
- Storage tank sludge profile detection (SPOT)
- Pipe volume measurements & calculations
- Aerial photogrammetry



BENEFIT 2 UNPARALLELED ACCURACY

- An approximate result of **0.02%** is attainable over open volume capacity. This provides clients with a remarkable money saving solution
- All corrections are accounted for within the open volume as per ISO 7507 -1, -4 and -5
- All measuring equipment are calibrated as per code requirement
- Dipping indicators are mounted directly adjacent to a groove, on all dip hatches to ensure correct and repetitive dipping of tank volumes



BENEFIT 3 HSE COMPLIANCE

- With an intrinsically safe Leica total station, the technician is continuously ground based measuring the shell free of hazards
- All technicians are fully trained in safety with regards to first aid and fire fighting
- Safety height levels can be accurately measured from ground level
- ISO 45001:2018 certified for health and safety management system
- Quarterly HSE audits completed and passed by external parties
- 100% HSE record to date - no recordable incident year on year



BENEFIT 4 QUALITY ASSURANCE

- ISO 9001:2015 certified for quality management system

We endorse and apply the following South African Codes:

- Local by-laws • Best Practices • Safe Work Practice for Contractors (Major Oil companies) • Occupational Health and Safety Act • Environment Management Act
- National Road Traffic Act • Company Standards