



18 Olifant Street, Brackendowns, Alberton  
Contact: Marthinus Otto - Contact: 082 852 8665  
Contact: Doreen Otto – Contact: 082 822 7094  
Email: [sales@mdspetrolesolutions.com](mailto:sales@mdspetrolesolutions.com)  
Company Reg No: 2021680144 - 2021 / 680144 / 07  
B-BBE. Level 2 Status  
Certificate Number: 9347778643

**MDS Petroleum Solutions Overview**, established in February 2022, growth Expectations with a Female MD, Doreen Otto with combined experience and skills of 18 years, Operations, Marthinus Otto with combined experience and Skills of 28 years, HSSE (In Progress) in the Petroleum Chemical Industry, provides an excellent base in which we undertake and complete all Jobs and projects.

MDS Petroleum Solutions as a B-BBEE Level 2 – Compliant Company based in Johannesburg is committed to being at the forefront of the Forecourt. Our Mission is to simply provide our partners within the Oil Industry a Total – Solution value proposition for our core offerings

**MDS Petroleum Solutions, Our Vision:** Have a solid relationship and Partnership within the Oil Industry. To be highly competitive in the Petroleum Chemical Industry and providing our customers with the solutions on Gaps Identified of the highest quality. Maintain position of preferred maintenance by delivering world class performance.

Achieved Level 2 B-BBE Status

Deliver an unsurpassed Value Proposition by leveraging our superior resource infrastructure, experience, and expertise in the maintenance market.

**MDS Petroleum Solutions, Our Mission:** Our Mission is to simply provide our partners within the Oil Industry a Total – Solution value proposition for our core offerings, build a Solid Relationship and Partnership within the Oil Industry

- Site/Forecourt Compliance Surveys and Audits
- Maintenance with an On Time, First Time Promise
- End -to End Maintenance on the forecourt
- Registered Verification and Repair Laboratories with SANAS/NRCS - LTF0394, Calibration and Repairs of Liquid Fuel Dispensers (LFD's) – Standard and High Volume
- (LM-P-045-09-19) – Training
- Full HSSE Compliance etc.
- Full HIRA
- Civil Works on the Forecourt
- Installations
- General Project
- SDT 270 Vacusonic Tank Testing – Full System – Isolation Testing



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**MDS Petroleum Solutions, Our Values:** To be dedicated in building a long-term relationship with our partners through,

The core values that Management and employees of MDS Petroleum Solutions represents:

Safety First  
Accountability  
Fairness  
Learning  
Excellent Service  
Integrity  
Reliability  
Trust

**MDS Petroleum Solutions Core Business Solution:** Focuses on Site Surveys to Identify Gaps identified within the entire Forecourt, installations, repairs, and maintenance services in the Petroleum Chemical industry.

**The Services Include:**

**Site/Forecourt Compliance Surveys and Audits**

**Base Compliance below:**

**Forecourt**

- Survey structural integrity condition of the pump sump
- Confirm the type of pump sump
- Examine and confirm type of pipe work
- Examine and confirm structural integrity of the pipework and mechanical operation devices
- Electrical Compliance
- Examine and Confirm Pump Make and Model Compliance to SABS1020
- Examine and Confirm Pump Make and Model Compliance to SANAS/NRCS Legal Metrology LM-P-045-09-19
- Gap Analyze on Short Comings to Oil Company Standards, provide a Solution and Remedial Action Plan



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#### Tank Farm Area

- Dewatering pump
- Dewatering sump
- Tank Manholes- including mechanical fittings and operational/ functional equipment
- Confirm the type of tank manhole
- Examine and confirm condition of the tank lids
- Examine and confirm type of piping
- Examine and confirm structural integrity of the pipework
- Examine and Confirm Pump Make and Model submersible pumps
- Examine and test functional operations of the submersible pumps
- Electrical compliance of the submersible pump
- Gap Analyze on Short Comings to Oil Company Standards, provide a Solution and Remedial Action Plan and provide a full technical report

#### Tanks and Manholes

- Manhole Cleaning
- Replacement of rusted piping/flanges
- Tank/Product Filtration
- Product Upliftment
- Sludge Upliftment
- Tank Degassing
- Gap Analyze on Short Comings to Oil Company Standards, provide a Solution and Remedial Action Plan and provide a full technical full report

#### Filler Point and Vents

- Survey structural integrity condition of the filler sumps
- Confirm the type of sump
- Examine and confirm condition of the filler lids
- Examine filler caps
- Electrical compliance on the fillers and the Vents
- Examine and confirm correct labeling
- Gap Analyze on Short Comings to Oil Company Standards, provide a Solution and Remedial Action Plan and provide a full technical report





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**Detail Compliance below:**

**Forecourt - Pumps**

- [Site Survey Compliance - MDS 2022 Gaps - Recommendations Pumps](#)
- [Site Survey Compliance - MDS Pumps Pictures](#)

**Forecourt - Fuel Pump/Dispenser Calibration**

- [Site Survey Compliance - MDS 2022 Gaps - Recommendations Fuel Pump-Dispenser Calibration](#)
- [Site Survey Compliance - MDS Pump Calibration Pictures](#)

**Tank Farm – Underground Manholes**

- [Site Survey Compliance - MDS 2022 Gaps - Recommendations Underground Manhole](#)
- [Site Survey Compliance - MDS Underground Manhole Pictures](#)

**Tank Farm – Fillers**

- [Site Survey Compliance - MDS 2022 Gaps - Recommendations – Tank Farm Fillers](#)
- [Site Survey Compliance - MDS Tank Farm Fillers Pictures](#)

**Tank Farm – Vents**

- [Site Survey Compliance - MDS 2022 Gaps - Recommendations – Tank Farm Vents](#)
- [Site Survey Compliance - MDS Tank Farm Vents Pictures](#)

**Forecourt – Containment Pump Sump & Piping**



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[Site Survey Compliance - MDS 2022 Gaps - Recommendations Containment Pump Sump](#)

[Site Survey Compliance - MDS Containment Pump Sump Pictures](#)

Tank Farm – ATG

[Site Survey Compliance - MDS 2022 Gaps - Recommendations – Tank Farm ATG](#)

[Site Survey Compliance - MDS Tank Farm ATG Pictures](#)

Forecourt – Canopy

[Site Survey Compliance - MDS 2022 Gaps - Recommendations Canopy](#)

[Site Survey Compliance - MDS Canopy Pictures](#)

Forecourt – Slab & Pavement

[Site Survey Compliance - MDS 2022 Gaps - Recommendations Forecourt Slab & Pavement](#)

[Site Survey Compliance - MDS Forecourt Slab & Pavement Pictures](#)

Forecourt & Building – Fire Extinguisher

[Site Survey Compliance - MDS 2022 Gaps - Recommendations Fire Extinguisher](#)

[Site Survey Compliance - MDS Fire Extinguisher Pictures](#)

Forecourt & Building – Fire Hydrant & Accessories

[Site Survey Compliance - MDS 2022 Gaps - Recommendations Fire Hydrant & Accessories](#)

[Site Survey Compliance - MDS Fire Hydrant & Accessories Fire Hose Pictures](#)

Tank Farm – Dewatering Pump & Sump

[Site Survey Compliance - MDS 2022 Gaps - Recommendations Dewatering Pump & Sump](#)

[Site Survey Compliance - MDS Dewatering Pump & Sump Pictures](#)





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Tank Farm – Well

- [Site Survey Compliance - MDS 2022 Gaps - Recommendations Well](#)
- [Site Survey Compliance - MDS Well Pictures](#)

Tank Farm – Interceptor

- [Site Survey Compliance - MDS 2022 Gaps - Recommendations Interceptor](#)
- [Site Survey Compliance - MDS Interceptor Pictures](#)

Tank Farm – Drainage System

- [Site Survey Compliance - MDS 2022 Gaps - Recommendations Drainage System](#)
- [Site Survey Compliance - MDS Draining System Pictures](#)

Tank Farm – Septic Tanks

- [Site Survey Compliance - MDS 2022 Gaps - Recommendations Septic Tanks](#)
- [Site Survey Compliance - MDS Spetic Tanks Pictures](#)

Tank Farm – Tank Pressure Leak Test

- [Site Survey Compliance - MDS 2022 Gaps - Recommendations – Tank Farm Tank Pressure-Leak Test](#)
- [Site Survey Compliance - MDS Tank Farm Tank Pressure Test Pictures](#)

Tank Farm – Piping Pressure Leak Test

- [Site Survey Compliance - MDS 2022 Gaps - Recommendations – Tank Farm Piping Pressure-Leak Test](#)
- [Site Survey Compliance - MDS Tank Farm Piping Pressure Test Pictures](#)



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Tank Farm – Portable Water System

- [Site Survey Compliance - MDS 2022 Gaps - Recommendations Portable Water Systems](#)
- [Site Survey Compliance - MDS Portable Water System Pictures](#)

Building – UPS

- [Site Survey Compliance - MDS 2022 Gaps - Recommendations UPS](#)
- [Site Survey Compliance - MDS UPS Pictures](#)

Building – Security Equipment & CCTV

- [Site Survey Compliance - MDS 2022 Gaps - Recommendations Security Equipment & CCTV](#)
- [Site Survey Compliance - MDS Security Equipment & CCTV Pictures](#)

Building – Illumination General

- [Site Survey Compliance - MDS 2022 Gaps - Recommendations Illumination General](#)
- [Site Survey Compliance - MDS Illumination Pictures](#)

Building & Forecourt – Branding & Signage

- [Site Survey Compliance - MDS 2022 Gaps - Recommendations Branding & Signage](#)
- [Site Survey Compliance - MDS Branding & Signage Pictures](#)

Building – Compressor

- [Site Survey Compliance - MDS 2022 Gaps - Recommendations Compressor](#)
- [Site Survey Compliance - MDS Compressor Pictures](#)

Building – Electric Generator

- [Site Survey Compliance - MDS 2022 Gaps - Recommendations Electric Generator](#)
- [Site Survey Compliance - MDS Electric Generator Pictures](#)





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Building – Electrical Certificate of Compliance

- [Site Survey Compliance - MDS 2022 Gaps - Recommendations Electrical Certificate of Compliance](#)
- [Site Survey Compliance - MDS Electrical Certificate of Compliance Pictures](#)

Building – Electrical Installations

- [Site Survey Compliance - MDS 2022 Gaps - Recommendations Electrical Installations](#)
- [Site Survey Compliance - MDS Electrical Installations Pictures](#)

Building - C-Store

- [Site Survey Compliance - MDS 2022 Gaps - Recommendations Building C Store](#)
- [Site Survey Compliance - MDS Building C Store Pictures](#)

Building - C-Store Heat & Cooling

- [Site Survey Compliance - MDS 2022 Gaps - Recommendations C-Store Heat & Cooling Media](#)
- [Site Survey Compliance - MDS C Store Heat & Cooling Media Pictures](#)

Building - C-Store Food Prep & Dispensing Equipment

- [Site Survey Compliance - MDS 2022 Gaps - Recommendations C-Store Food Prep & Dispensing Equipment](#)
- [Site Survey Compliance - MDS C Store Food Prep & Dispensing Equipment Pictures](#)

Building - C-Store IT Equipment

- [Site Survey Compliance - MDS 2022 Gaps - Recommendations C-Store IT Equipment](#)
- [Site Survey Compliance - MDS C Store IT Equipment Pictures](#)



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*Building - Building Air Conditioning*

Site Survey Compliance - MDS 2022 Gaps - Recommendations Air Conditioning

Site Survey Compliance - MDS Air Conditioning Pictures

*Building - Environmental Impact Assessment (EIA) (Basic)*

Site Survey Compliance - MDS 2022 Gaps - Recommendations – Environmental Impact Assessment (EIA)

Site Survey Compliance - MDS – Environmental Impact Assessment (EIA) Pictures

*Maintenance*

*Repairs and servicing of equipment, pumps and tanks including pressure testing of tanks and pipes/lines.*

- Liquid Fuel Pump Changes and removals, New/Accident damage Pumps
- Product Changes
- Service and repairs to any Makes and Models Liquid Fuel Pumps
- Repairs and replacements of Submersible Turbine pumps (STP's)
- Fault findings
- Replacement of faulty leak detectors
- Mechanical Leak Detector Testing (MLD) – Full Technical Reports submitted
- Replacement of any faulty fittings etc.
- Pressure Testing of UST's (underground storage tanks) and Testing Pressurizing of delivery lines/suction lines
- Repairs/replacements of Syphoning Systems
- Upliftment of Fuel
- Pumping out of water from manholes
- Pumping out water from fuel Tanks
- Replacement of underground pipe/lines work
- Installation of ID Collars/dip caps and filler caps
- Installation of Separators & Sump Pumps
- General Maintenance
- Site Clean Up – General Maintenance
- Site Closures
- Preventative Maintenance of Equipment



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**Verification of Liquid Fuel Dispensers (LFD's)**

- Verification and Repair Laboratories Registered with SANAS/NRCS – LTF0394
- Standard Flow Pump Calibrations – Repairs
- High Volume/Flow Pump Calibrations - Repairs

**Tank – Line Testing**

- STD 270 Tank/Line Testing – Full Reporting in Detail to Actuals results.

**SANAS (LM-P-045-09-19) (Old SANAS 10378:2012)**

- Consulting: SANAS LM-P-045-09-19 (Old SANAS 10378:2012)
- Consulting: SABS 1650
- Consulting: SABS 1649
- Consulting: Legal Metrology Act 09:2014
- Training requirements – All Systems
- Training Verification Officers – Legal Metrology Act and SABS 1650
- Training Repairers – Legal Process LM-P045-09-19
- Auditing LM-P-045-09-19 Quality System

## MDS Petroleum Solutions



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### HSSE

Services include but are not limited to the following:

- Management of your Safety Systems and Complyworks system
- Development of safety files (Within the days with the client)
- Gap analysis audit
- Action Plan development
- Corrective action implementation
- Site inspections and audits
- Development of action plan and monitoring of corrective actions
- Representation of client in audits
- Development of Processes and Procedures
- Development of prevention plans

Achieving full compliance at a fraction of the cost of having to employ a full-time safety manager or officer. We are now supplying a safety manager on a retainer basis to all our clients.

The safety manager will be available to perform any tasks required by the client within the timeframe that he is at the client's premises.

### HIRA

- Risk Assessment's
- Incident Investigations – Full Reports
- Develop Task Specific Method Statements/Risk Assessments





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Civils

*All civil work required on forecourt to meet National Standards, including excavations, construction, concrete slabs.*

- Cut, break, and replace concrete as per required standards
- Cast of Containment slabs
- Cast of concrete slabs on forecourts
- Uplifting and relaying of pavements
- Tiling work
- Re-building of manholes
- Building of islands
- Compaction testing/ (DCP testing)
- Construction of crash barriers and new Installations
- All civil work requirements on a forecourt to meet standards and specifications

Installations

*New Installation of pump and tanks including all accessories and fittings as per requirements for complete installation according to specification.*

- Installation of new and refurbished pumps all Make and Models
- Installation of pipe work
- Installation of siphon systems
- Installation of Containment sumps
- Installation of Power cables
- Installation of POS Cables
- Installation of all sleeving on forecourt to POS

Projects

*Any Maintenance Projects*

- Decal Changes
- Product/Tank Swops