

**Megaton Systems (Pty) Ltd T/A
MTEEx Laboratories**

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Ontploffing Beskermingsdienste
Explosion Prevention Services

MTEEx LABORATORIES

Operating Profile:

We are an independent, SANAS Accredited ISO17025 test laboratory and Government Approved Inspection Authority (A.I.A). MTEEx Laboratories specialises in SANS 10108 and its series of Explosion Prevention Standards.






We are accredited to do test work and have combined more than 19 years of experience at an Test Laboratory, therefore, we have the knowledge to assist with all aspects of Explosion Prevention and Compliance with SANS10108.

At present our services include:

Consultation:

- ✓ Hazardous Area Classification (SANS10108).
- ✓ Compiling of Hazardous Area Classification Drawings (SANS10108).
- ✓ Inspections of electrical equipment installed in Hazardous Locations.
- ✓ Help with selection of explosion protected equipment.

Testing and certification:

- ✓ Testing and Certification of Explosion Protected Equipment including:
 - ✓  General Requirements (IEC/SANS60079-0)
 - ✓  Intrinsic Safe Devices and Systems (Ex i, IEC/SANS 60079-11 and -25)
 - ✓  Flameproof Equipment (Ex d, IEC/SANS 60079-1)
 - ✓  Encapsulation (Ex m, IEC/SANS 60079-18)
 - ✓  Protection by Enclosure (Ex t, IEC/SANS 60079-31)
- ✓ Ingress Protection Testing (IP, IEC/SANS 60529)
- ✓ Import Certification (I.A. Certificates, ARP 0108)
- ✓ Certification of IS Loops (SANS 60079-25)
- ✓ Batch Verification (SANS 96)

Training:

- ✓ We offer an explosion prevention course on the basics of explosion prevention, for plant personnel. This will equip personnel to select the correct equipment, do the 2-yearly inspections and to maintain equipment correctly.

**WE LOOK FORWARD to VERIFY the QUALITY of YOUR PRODUCT with
OUR EXCELLENT SERVICE.**