

SME

Lightning Protection & Earthing



**STORM
AHEAD**

QUALITY PROTECTION

Safeguarding your assets and employees against the unpredictable forces of nature.

With technical expertise spanning over 40 years, and the only SABS ISO9001:2015 certified company in the industry, we specialise in providing comprehensive solutions for lightning, surge protection and earthing systems.

-  **Safety Management**
-  **Asset Protection**
-  **Compliance**
-  **Insurance Requirements**
-  **Regulatory Compliance**
-  **Environmental Protection**
-  **Continuity of Operations**



PROTECTING ASSETS & SAVING LIVES

SABS
ISO 9001

THE PREFERRED LIGHTNING PROTECTION SPECIALISTS

Our mission is simple yet vital:

To ensure the safety and integrity of our clients' infrastructure, equipment, and personnel in the face of lightning strikes and electrical surges. We understand the critical importance of reliable lightning protection and earthing solutions, especially in industries where downtime is not an option.



SME Lightning Protection and Earthing Provides

- ⚡ Professional engineering solutions for lightning protection, earthing, and surge protection systems
- ⚡ Quality LPS designs and installations according to applicable
- ⚡ South African National Standards (SANS)
- ⚡ Over 40 years of trusted technical and industry experience
- ⚡ Certified SABS ISO9001 Quality Management
- ⚡ System project support
- ⚡ Excellent health and safety project track-record
- ⚡ National operational footprint across Southern Africa and Namibia
- ⚡ Complete risk management and maintenance support (RMS)



Engineering & Risk Management Solutions

- ⚡ Plant-wide audits & site risk assessments
- ⚡ Soil resistivity surveys
- ⚡ Earth resistance testing
- ⚡ Earth grid designs
- ⚡ LPS Consulting & Designs & Installations
- ⚡ Early warning lightning detection systems
- ⚡ Solar PV and wind turbine LPS designs & installations
- ⚡ Isolated and non-isolated systems for hazardous locations
- ⚡ IEEE / IEC / SANS Compliant designs & installations
- ⚡ Underground services detection
- ⚡ Earth core drilling
- ⚡ Current Injection Testing
- ⚡ Surge protection



What sets us apart is our commitment to safety and excellence in every aspect of our service.

From initial consultation and risk assessment to design, installation, and maintenance, our team of highly skilled engineers and technicians works tirelessly to deliver solutions that exceed industry standards and regulatory requirements.

At SME Lightning Protection and Earthing, we prioritize quality, reliability, and customer satisfaction above all else. We partner with leading manufacturers to source the highest quality materials and employ the latest technology and best practices to ensure the effectiveness and longevity of our solutions. Whether you operate in petrochemical, telecommunications, mining, manufacturing, or any other industry, you can trust SME Lightning Protection and Earthing to provide you with the peace of mind that comes with superior lightning protection and earthing systems.

Contact us today to learn more about how we can help safeguard your business against the forces of nature.

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Raising the industry standards of quality and compliance

Being the leading SABS-ISO 9001:2015 certified company in the industry, our commitment to excellence and adherence to rigorous quality standards are paramount. We take pride in ensuring that all our specialist recommendations and technical protection solutions are firmly rooted in the applicable South African National Standards (SANS), which are closely affiliated with the International Electrotechnical Commission (IEC) codes of practice.

By adhering to SANS and IEC standards, we guarantee that our lightning protection and earthing systems meet the highest industry benchmarks for safety, reliability, and effectiveness. These standards serve as the foundation for our engineering practices, ensuring that our solutions are not only tailored to the specific needs of our clients but also aligned with global best practices in the field.

SANS 10313	Protection against lightning - Physical damage to structures and life hazard
SANS 10199	The design and installation of an Earth Electrode
SANS 10089	Electrical Installations and Earthing in Hazardous Areas
SANS 62561	Lightning Protection System Components
SANS 62305-1	Protection against lightning
SANS 62305-2	Risk Management
SANS 62305-3	Physical damage to structures and life hazard
SANS 62305-4	Electrical and electronic systems within structures

Furthermore, our commitment to SABS-ISO 9001:2015 certification underscores our dedication to quality management principles and continuous improvement. Through systematic monitoring, evaluation, and refinement of our processes, we strive to deliver exceptional products and services that exceed customer expectations while upholding the highest standards of quality and compliance.

Whether you operate in South Africa or any other country committed to international industry standards, you can trust in our expertise and adherence to SANS and IEC codes to provide you with reliable, state-of-the-art lightning protection and earthing solutions that ensure the safety and integrity of your assets.



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