



## NAMIBIAN Quality Protection

An established national industry specialist, with operations from Walvis Bay and Windhoek, spanning over 15 years, providing protection solutions in the lightning, earthing, and surge protection industry safeguarding your equipment, property, and employees.

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



## Lightning Protection & Earthing

PROTECTING YOUR ASSETS & SAVING LIVES





# 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.*

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

With over 15 years of industry experience, SWE Lightning Protection & Earthing has established itself as a trusted technical specialist in Namibia's lightning protection and earthing industry. Our commitment to safety, technical expertise and quality protection has made us the preferred provider for both residential, commercial, and industrial clients.

At SWE, we specialize in designing, installing, and maintaining lightning protection systems that safeguard lives, equipment, and properties. Our expert team is dedicated to delivering customized solutions that meet the highest standards of safety and technical compliance.

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



**PROTECTING YOUR ASSETS & SAVING LIVES**







# SWE 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
- ⚡ Supported by the industry leading SABS ISO9001 - Quality Management System company in South Africa
- ⚡ 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



## Renewable Energy

In Africa, where renewable energy sources like solar and wind power play an increasingly significant role in the energy mix, the benefits of lightning protection and earthing are particularly pronounced.



## Oil & Gas

Lightning protection in the oil and gas industry is a critical aspect of ensuring safety, preventing damage, and maintaining operational continuity.



## Mining

Lightning strikes in the mining industry carry significant importance due to their potential impact on safety, productivity, and equipment.



## Risk Management Maintenance Support

Implementing a comprehensive risk management maintenance support plan alongside lightning protection measures is essential for ensuring the ongoing effectiveness and reliability of the protection system.



# Raising the industry standards of quality and compliance

SWE Lightning Protection and Earthing is a specialist company in the fields of lightning protection, electrical earthing, and surge protection.

SWE is a proud Namibian based company and have completed substantial mining projects across Namibia. SWE Lightning Protection and Earthing are protection specialists in the fields of lightning, earthing and surge protection, and provides a comprehensive risk management approach to projects and maintenance support. From plant-wide audits, risk assessments to project installations and maintenance support which are completed in compliance with the relevant South African National Standards (SANS) which is based on the International Electrical Code of practice.

These standards aim to ensure safety, quality and reliability of products and services.

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



**Lightning Protection  
& Earthing**



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