



## GELPS® Product & Services Catalogue

Lightning Protection & Earthing Solutions

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**Lightning Protection & Earthing Solutions**

**Engineered for Safety | Built for African Conditions | Compliant with SANS Standards**

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## About GELPS

GELPS (Ginindza Earthing & Lightning Protection Services) is a specialist supplier of lightning protection and earthing system components, designed to protect lives, structures, and critical equipment against lightning strikes and surge events.

Our products are widely used in:

- Residential & commercial buildings
- Industrial facilities
- Telecommunications sites
- Lodges, thatch structures & rural installations
- Renewable energy installations

All products are manufactured to meet or exceed **SANS, IEC, and international lightning protection standards**, ensuring reliability, durability, and long-term performance.

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## Product Categories

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# 1. Lightning Protection Masts

## Freestanding Lightning Protection Masts

Designed to provide a controlled strike point, safely diverting lightning energy to earth.

### Features:

- Hot-dip galvanised steel construction
- High corrosion resistance
- Suitable for harsh weather and tropical environments
- Available in multiple heights

### Applications:

- Thatched roofs
- Fuel depots
- Warehouses
- Industrial plants
- Sensitive electronic facilities

### Available Options:

- 12m, 15m, 18m, 20m, 24m and custom heights
- Base plates or ground-mounted options

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# 2. Air Terminals & Strike Capture Systems

## Air Terminals (Lightning Rods)

Used to intercept direct lightning strikes and direct them safely into the down conductor system.

### Features:

- Copper or aluminium options
- High conductivity
- Durable and weather resistant

### Applications:

- Roof-mounted lightning protection systems
- Mast-mounted installations

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# 3. Down Conductors & Fixings

## Lightning Down Conductors

Conduct lightning current safely from the air terminal to the earth termination system.

#### **Available Materials:**

- Bare copper
- PVC-insulated copper
- Aluminium conductors

#### **Fixings & Accessories:**

- Conductor saddles
- Wall clamps
- Roof fixings
- Test joints (inspection joints)

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## **4. Earthing & Grounding Solutions**

### **Earth Electrodes**

Essential for dissipating lightning energy into the ground.

#### **Options Available:**

- Copper-bonded earth rods
- Solid copper earth rods
- Galvanised earth rods

#### **Standard Sizes:**

- 1.2m
- 1.8m
- 2.4m

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### **Earth Mats & Earth Enhancement Solutions**

#### **Earth Mats**

- Used where low earth resistance is required
- Ideal for rocky or high-resistivity soil

#### **Earth Enhancement Compounds**

- Improves soil conductivity
- Reduces earth resistance
- Long-lasting and maintenance-free

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## 5. Surge Protection Devices (SPDs)

### Surge Arresters

Protect electrical and electronic equipment from transient overvoltage caused by lightning and switching surges.

#### Applications:

- Main distribution boards
- Sub-distribution boards
- Communication and data lines

#### Benefits:

- Extends equipment lifespan
- Reduces downtime
- Improves system reliability

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## 6. Inspection, Testing & Compliance

### Lightning Protection System Testing

- Earth resistance testing
- Continuity testing
- Visual inspections

### Documentation

- Installation compliance reports
- Inspection & Test Reports (ITR / ISR)
- Certificates aligned with **SANS 10313**

### Lightning Pole Mast Range

SKU	Product	Height	Material	Price (ZAR)
GLP-MST-12	Lightning Pole Mast	12 m	Hot Dip Galvanised Steel	R11 999
GLP-MST-15	Lightning Pole Mast	15 m	Hot Dip Galvanised Steel	R14 999
GLP-MST-18	Lightning Pole Mast	18 m	Hot Dip Galvanised Steel	R17 999
GLP-MST-20	Lightning Pole Mast	20 m	Hot Dip Galvanised Steel	R19 999
GLP-MST-24	Lightning Pole Mast	24 m	Hot Dip Galvanised Steel	R23 999
GLP-MST-28	Lightning Pole Mast	28 m	Hot Dip Galvanised Steel	R27 999

All masts are engineered for durability and performance under African environmental conditions and are compliant with SANS 10313.