



COMPANY PROFILE

Systems for Today. Solutions for Tomorrow.

Trusted Supplier of Transformer Accessories

Compliant with SANS 60076 & SANS 780

EST. 2021 • JOHANNESBURG, SOUTH AFRICA

About Us

SK Systems (Pty) Ltd is a Johannesburg-based, proudly South African supplier specialising in high-quality transformer accessories and components. Established in 2021, we support the reliable operation of power and distribution transformers across Eskom networks, municipal utilities, mining, industrial plants, and renewable energy projects.

Our accessories are selected and supplied to complement transformers designed and tested in accordance with the SANS 60076 series (Power transformers) and SANS 780 (Distribution transformers). This ensures seamless integration, full compliance, and optimal performance under South Africa’s demanding grid conditions — including high ambient temperatures (40°C+), lightning activity, dust, and pollution.

2021 ESTABLISHED	Level 1 B-BBEE CONTRIBUTOR	SANS 60076 & 780 ALIGNED	100% ESKOM READY
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Vision & Mission

Our Vision

To be the preferred local partner supplying transformer accessories that enable full compliance with SANS 60076, SANS 780, and various power utility specifications — thereby strengthening South Africa’s electricity infrastructure and supporting the energy transition.

Our Mission

Supply accessories that meet or exceed the requirements of the SANS 60076 series and SANS 780:2019 (Edition 5) — including temperature-rise limits, insulation levels, dielectric performance, and fittings. Deliver solutions tailored to South African service conditions while supporting Eskom’s procurement framework, B-BBEE, and Supplier Development & Localisation (SD&L). Minimise transformer downtime and extend asset life through high-quality, compatible components.

SANS 60076 Compliance Expertise

SANS 60076 adopts the IEC 60076 series with national adaptations for South African applications. Our accessories are compatible with transformers meeting these core parts:

Standard	Scope
SANS 60076-1	General requirements: ratings, connections, tolerances, rating plates.
SANS 60076-2	Temperature rise for liquid-immersed transformers — critical for high-ambient SA conditions.
SANS 60076-3	Insulation levels, dielectric tests, external clearances; lightning impulse and power-frequency withstand.
SANS 60076-5	Ability to withstand short circuit — mechanical robustness.
SANS 60076-7	Loading guide for oil-immersed transformers — supports cyclic overloading common in load-shedding re
SANS 60076-11	Dry-type transformers (where applicable).
SANS 60076-16	Transformers for wind-turbine applications (renewables).
SANS 60076-22-8 (2022)	Power transformer and reactor fittings — devices for communication networks and accessories.

For distribution transformers (up to 3 150 kVA, $U_m \leq 36$ kV), we align with **SANS 780:2019**, which references SANS 60076-1 and specifies additional South African requirements such as impedance ranges, bushing creepage distances (e.g., 31 mm/kV for porcelain/composite), tapping arrangements, and loss limits for energy efficiency.

Our accessories help transformers achieve compliance through:

- Enhanced creepage for pollution and lightning environments.
- Cooling systems rated for high ambient temperatures.
- Protection devices (Buchholz relays, temperature gauges) aligned with dielectric & thermal requirements.
- Bushings, tap-changers and oil-preservation systems meeting insulation and sealing standards.

Eskom Procurement Compliance & Readiness

We are fully prepared for Eskom tenders and utility procurement processes:

- **CSD Registration** and valid Tax Clearance.
- **B-BBEE Status:** Level 1 Contributor with SANAS-accredited certificate.
- **Local Content Declaration (SBD 6.2)** — prioritising South African or SADC-sourced components.
- Adherence to **Eskom QM58** (Supplier Quality Management), **SHE Requirements (32-726)** and SD&L obligations.
- Full traceability, test certificates, and support for routine, type and special tests per SANS 60076.

Core Products & Accessories

Our comprehensive range is engineered for compatibility with SANS 60076 / SANS 780 transformers across networks from 0.4 kV to 765 kV.

Bushings

Porcelain, composite and resin types with specified creepage (per SANS 780 Table 11) for SA pollution and lightning conditions.

Tap Changers

On-load (OLTC) and off-circuit (OCTC) for voltage regulation, aligned with SANS 60076-1 tapping requirements.

Cooling Systems

Radiators, fans and pumps designed for temperature-rise limits in SANS 60076-2 — suited to high-ambient conditions.

Protection & Monitoring

Buchholz relays, pressure-relief devices, oil/winding temperature indicators and oil-level gauges.

Breathers & Oil Preservation

Silica-gel breathers and filtration systems to manage moisture and temperature cycling.

Valves, Fittings & Insulation

Drain valves, gaskets, seals and pressboard components.

Surge Arresters & Instrumentation

Surge arresters, CTs/VTs, nameplates and grounding accessories per SANS 60076-3 clearances.

Corrosion Protection

Eskom-approved water-based coatings.

Steel Fabrication

Flanges, adapters, copper rods & connectors, flexible couplings and bleeding plugs.

Quality Assurance & Standards

- Products support compliance with the SANS 60076 series, SANS 780:2019, Eskom technical specifications and relevant IEC standards.
- Sourced from **ISO 9001-certified manufacturers** with rigorous incoming inspections.
- Emphasis on energy efficiency (loss limits) and environmental performance for renewable integration.

Services We Offer

<p>Technical Consultation</p> <p>Accessory selection per SANS 60076 / SANS 780 and Eskom specifications.</p>	<p>Rapid Sourcing</p> <p>Urgent component sourcing for fault repairs and load-shedding recovery.</p>
<p>Complete Accessory Kits</p> <p>For new builds, refurbishments and renewable substations.</p>	<p>After-Sales Support</p> <p>Warranty, spare parts and lifecycle support.</p>
<p>Nationwide Logistics</p> <p>Delivery across South Africa, including remote sites.</p>	<p>SMME Investment & Development</p> <p>Investment, mentorship and sub-contracting opportunities for emerging SMMEs in the electrical supply chain — supporting transformation and SD&L objectives.</p>
<p>Skills Transfer</p> <p>Active contribution to localisation and skills transfer obligations.</p>	

Why Choose SK Systems

Standards Expertise — Deep knowledge of SANS 60076 and SANS 780 ensures accessories enhance transformer compliance and performance.

Local Relevance — Tailored for Eskom grid challenges, municipal networks, mining and renewables (incl. SANS 60076-16 for wind/solar step-up).

Procurement-Ready — Full alignment with CSD, B-BBEE, local content, QM58 and SHEQ frameworks.

Reliability — Fast delivery, competitive pricing, and focus on total cost of ownership.

Transformation Commitment — Active support for B-BBEE and localisation aligned to Eskom’s developmental goals.

Target Markets

<ul style="list-style-type: none"> ■ Eskom Transmission & Distribution 	<ul style="list-style-type: none"> ■ Municipal Utilities (Ekurhuleni, City Power, eThekweni, Cape Town)
<ul style="list-style-type: none"> ■ Transformer OEMs & Refurbishers 	<ul style="list-style-type: none"> ■ Mining & Heavy Industry
<ul style="list-style-type: none"> ■ Renewable Energy (Solar, Wind, BESS) Substations 	<ul style="list-style-type: none"> ■ Electrical Contractors & EPC Firms

Our Team

Our growing team brings together specialised expertise across sales, operations, finance and administration — supported by experienced drivers and an incoming directorship to strengthen strategic leadership.

Department	Team Members
Director (Incoming)	Petronella Molomane
Sales	Kenneth Mahlake; Antoinette Setimela
Finance	Maxwell Moloji
Accounts	Keletso Thulo
Administration	Adelaide Pharoe
Drivers / Logistics	Amukelane Mathunyane; Kgotsfatso Masinga

*A detailed organisational structure is provided in the accompanying **SK Systems Organogram**.*

Contact Us

SK Systems (Pty) Ltd

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Credentials

CSD Supplier Number

MAAA1139915

B-BBEE Level

Level 1 Contributor

Standards Alignment

SANS 60076 series · SANS 780:2019

Procurement

Eskom QM58 · SHE 32-726 · SBD 6.2

Thank you for considering **SK Systems (Pty) Ltd** as your trusted partner in transformer accessories and electrical infrastructure solutions.