



Company Profile



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Gauteng – South Africa



COMPANY OVERVIEW

Established in 1999, ElectrILabs has grown from a UPS repair & maintenance service provider into a turn-key Systems Integrator, focused on solar power, data-centre and Mega-Watt power backup solutions for medium to large enterprises.

After 15 years in the industry our offering now includes system-engineering, supply, installation, maintenance, spares holding and workshop facilities to support the full life-cycle of complete solar systems and data-centres with cooling and Mega-Watt UPS-power back-up solutions for customers such as **Escom, Telkom, Sentech, Standard Bank, Sasol, Alcatel, CELL-C, Impala Platinum, Botswana Mining, Mozambique Industrial Clients, Zambian Government, DRC Police** etc.

Our BEE orientated employment, procurement and partnership policy has enabled us to establish a well-“oiled” BEE partner-base throughout Sub-Sahara Africa, allowing us to successfully maintain a high quality of service, anywhere from Cape Town to Nairobi. This policy also ensured our **BEE accreditation** of a level-3 (75% – 85%) with SEESA.

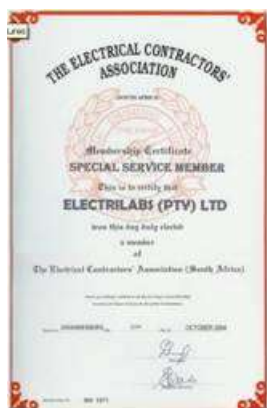
With our initial focus being service and maintenance, our solutions are always based on **long-term relationships**, keeping **customer satisfaction** in mind. The fact that we always have **local spare parts** available, emphasise the fact that we are committed in keeping our customers equipment fully functional at all times.

To keep our solutions of the highest quality, yet affordable, ElectrILabs has established direct relationship with our international suppliers. Our company is certified as an Elite Partner of Schneider Electric’s **American Power Conversion, PLATINUM Solar Inverters in Germany, Hyundai Heavy Industries PV Panels in Korea, Lanis-Gyr Smart Metering and Chiko Solar mounting.**



These relationships enable us to import the highest quality of equipment, directly from the various factories based abroad.

All of ElectrILabs personnel is trained and certified by ECA and DEKRA to ensure what we maintain a safe work environment and the high possible level of work-safety.





COMPANY FOCUS

The company's focus is on the supply of turnkey data-centre and Mega-Watt power backup solutions to the IT, Power generation, Petrochemical, Transportation, Chemical, Industrial and Utility service providers.



Customer	Project
Eskom	Supply and maintain 4 x Computer rooms Mmabathu, Vryburg, Vereeniging, Klerksdorp + 2 x 80KVA UPS's at Eskom Centre Johannesburg
Metro Retail Stores	Supply, install and maintain 22KW Grid-Tied PV Solar Systems in Gauteng
Sasol	Supply, install and maintain 189 x 5KVA UPS's at Sasol fuel stations country-wide
Metro Rail	Supply and maintain UPS's at various train stations in Gauteng and Mpumalanga
Dept Water Affairs	Supply and maintain 2 x 80KVA UPS's at HQ and maintain UPS's at various other site
Tshwane Council	Supply 5 x 80KVA UPS and 11 x in-row aircon units at Shosanguwe, Centurion Tshwane etc.
Tshwane water Purification	Supply, install and maintain 40KVA UPS for water purification laboratory.
SITA	Supply, install and maintain 28 x 80KVA UPS country-wide
Sentech	Supply 5 – 80KVA UPS's at SABC, DSTV, e-TV transmission towers country-wide
Nationwide Airways	Maintain UPS's as all domestic airport ticketing counters
Alcatel	Supply 40 5KVA UPS's for transmission equipment
Telkom	8-Year maintenance of 3 – 5 KVA UPS's country-wide on TM-Net & TR-Net infrastructure
IDC	Supply and maintain 160KVA Symmetra UPS at HQ
Impala Platinum	7-Year supply, install and maintenance of 3 – 60 KVA UPS's for use on PLC systems underground
TFMC	Supply and maintain 160KVA Silcon UPS at Telkom PPR building
SARS	Supply and install 80KVA Symmetra UPS at SASR Customs in Cape Town
SAPS	Supply and install 2 x 100KVA UPS at CR Swart Square in Durban
Cell-C	Supply and install country-wide Infrastructure Monitoring Solution
UNGM	United Nations Global Market Place Vendor No. 373988



POWER PRODUCTS AND SOLUTIONS

UNINTERRUPTIBLE POWER SUPPLIES (UPS)

Electrilabs offers it's customers an extensive range of UPS's from 500VA – 1000KVA (1MVA).



Desktop UPS



Smart UPS 700VA – 5KVA



On-Line 1 – 10KVA



Cooling Units



3-Phase 10 – 40KVA



N+1 UPS 40 – 500KVA



Generators, DC Rectifiers and Inverters

SOLAR POWE AND METERING SOLUTIONS

SOLAR FOR AFRICA



Solar for the poor



PV Panels



Metering



PV Inverters



PV Mounting Systems

INFRASTRUCTURE MONITORING AND MANAGEMENT SOLUTIONS



TURN-KEY DATA-CENTRE, ELECTRICAL AND PV SOLAR SOLUTIONS



Electrical reticulation

Electrilabs also have 2 teams of qualified electricians that provide electrical wiring associated with UPS and generator installations. The company is also registered with the ECA as electrical contractor.



MAINTENANCE AND SUPPORT SERVICES

On-Site Services

Electrilabs also do **on-site** installation, repairs and service where customers prefer to minimize the impact on their business operations. Such on-site services are usually done during after-hours to limit downtime. On-site services include maintenance, installation and repairs.



80KVA UPS installation Durban



On-Site service on UPS



Installation of iSX solution Vryburg



Workshop and Carry-In Repairs

Our Technicians are **trained and qualified** to repair various makes of UPS's. **Carry-in repairs** are done at our workshop in Midrand, South Africa. Faulty units are diagnosed, repaired and then placed under strain to ensure that it will be working perfectly once leaving our workshops.



Maintenance Contracts

- ElectrILabs also offers a unique Proactive maintenance service. This includes:
 - Annual preventative maintenance
 - Proactive Load measurements to prevent overloads
 - Proactive runtime test to ensure that back-up time is sufficient

THE ELECTRILABS DIFFERENCE

UPS Calibration

Due to ElectrILabs initial focus being on the support and repair of UPS's, our technicians develop programming algorithms and repair skills that are unequalled in the UPS industry in Afrca. This can be substantiated by the fact that ElectrILabs still remains the only Southern African company capable of calibrating APC and other makes of UPS's correctly.

Local Spares

After 6 years of building up spares, ElectrILabs is the **only local company** that has a large supply of **local spares** for the Diehl, APC, Compaq, Meissner, Mecer and various other UPS, solar Inverters and other products. This enables our company to execute repairs and maintenance at a significantly lower cost.



Loan Units

ElectrILabs provides **loan units** from 500VA – 80KVA, ensuring that the client is not at risk while their UPS is repaired in our workshop.

SOLAR POWER

Since 2010 we have invested heavily and establishing yourself as a leader in the supply of top quality PV solar power solutions.

Strong relationships have been established with Diehl Controls (Platinum PV Inverter manufacturers) in Germany, Landis & Gyr for Smart Metering and Hyundai Heavy Industries for PV Panels.



Past Project



Proposed PV for containers

Solar Power Product Range



Solar Power Inverters



PV Panels

Landis Electricity Meter



Metering



Mounting Systems



Entry Level Solar Kits
with mobile phone charger



Fiamm Sodium Nickel Batteries

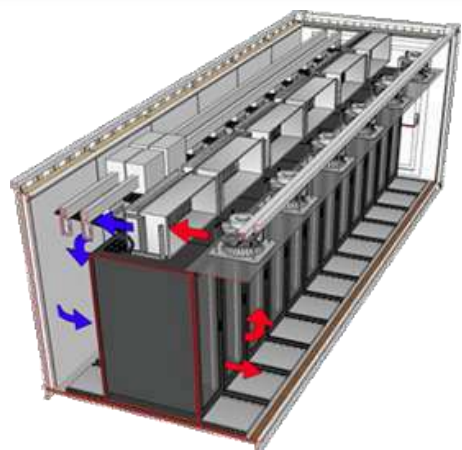
FLAT-PACK CONTAINERISED UNITS



Flat-pack container loading/ offloading,
Transportation and on-site assembly.
Stackable up to 4 units (4 or 8 units per load).
Standard size 2.4m x 6m x 2.7m (h)
Integrated lighting and distribution board
Can be assembled in a double story configuration
or assembled together for larger units.

Pre-configured units available:

- UPS + generator Power Block up to 300KW
- DC air-conditioning and DC fridge
- Site offices or accommodation with PV Power
- Turn-Key Data centre or Switch gear container



AIR PRESSURISATION AND RECIRCULATION UNITS

Air contamination is generally made up of two principal components, these being atmospheric dust and acid vapours or gases. In addition to these components, high levels of relative humidity experienced in certain locations may combine with these acid vapours or gases to form highly corrosive elements, adversely affecting the operation, reliability and longevity of sensitive electronic, electrical and electromechanical equipment.



DC POWER AIR-CONDITIONERS

DC25GW/DC35GW (BTU9000/12000)



DC52GW (BTU18000)



Features:

- Free from Inverter, directly powered by DC.
- Long-life DC brushless motors for compressor and fan
- Compact in size, easy installation, suitable for outdoor mobile installation.
- Low in power, suitable for application with small wind/solar power system
- Remote Controlled

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