

Electrical Engineering



This sector comprises of service providers for large infrastructure projects:

- Design, project management, contracting, manufacturing, operation, implementation, training and maintenance
- Energy management, monitoring & protection
- Revenue management
- Utility management
- Turnkey substation management, protection and control
- 'Green Building' energy efficiency systems

Manufacturing Capabilities:

South Africa has significant local production facilities

- Substation equipment and mini substations including switchgear
- Transformers: Three-phase Step-up and Step-down Transformers up to 500 kV, 800 MVA
- Enclosures
- Transmission line components
- Lighting
- Monitoring and security equipment
- Meters

Leaders in Smart Prepayment Solutions

- South Africa is a world market leader and developer of Smart Metering and Prepayment Meters and comprehensive solutions including vending
- South Africa developed the STS (Standards Transfer Specification), an interconnectivity standard that allows for multiple sourcing of meters and which has been adopted by the IEC
- South Africa has a base of about 4 million prepayment meters and exports to over 60 countries

The South African power network



If superimposed on Europe, this would stretch from Madrid to Berlin.

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