



Transaction Advisory Service

Loan Risk Analysis on Eskom	South Africa
Electricity Tariff Studies for the George Woodwaste Power Plant Project	South Africa
Strategies to Increase the Utilisation of Natural Gas and Biogas in CoJ	South Africa
Transaction Advisory Services for the 345MW CCGT Power Plant Project	Cote d'Ivoire
Assistance in the Preparation of Tender Responses and Engagement with Eskom and NERSA	South Africa
Consultancy Services for Further Privatisation of Kenya Electricity Generation Company Limited	Kenya
Transaction Advisory Services for the Proposed Mulilo Coal Power Generation Project	South Africa
Transaction Advisory Services for the Proposed Mulilo Namaqualand Wind Farm Project	South Africa
Comprehensive Basin-Wide Study of Power Development Options and Trade Opportunities	Nilebasin
Preparation of a Strategy Paper for the Development of then Proposed Coal-fired Power Plant	Eswatini
Feasibility Study for Coal Fired Thermal Power Generation	Eswatini
Consultancy Services for the Development of a Power Sector Investment Plan under Power Sector Development Operation	Uganda
Transaction Advisor on 140 MW Ressano Garcia Gas Engine IPP Power Plant Project	Mozambique
Transaction Advisory Services for the Lower Maguduza Hydro Power Scheme IPP Bidding Process	Eswatini
Coal-fired Power Plant Tender	Eswatini
Woodwaste Biomass to Energy Project	South Africa
Development of the IPP Procurement Strategy	Namibia
70 MW Bole Solar PV Development	Ghana
Fatal Flaw Analysis for 500 MW CCGT Project	South Africa
Due Diligence Assessment of 10 MW Solar PV with BESS in Tanga	Tanzania
Due Diligence Assessment for Loeriesfontein, Khobab and Noupoot Wind Farms	South Africa
Generation Dispatch Tool Development for Power Utility	Namibia



Transaction Advisory Service

Fatal Flaws Analysis on the Development of Power Generation Facilities at the Timbadola Sawmill	South Africa
Fatal Flaw Analysis for the Proposed 1250 MW CCGT Power Plant	South Africa
Development of a 2x5MWac Gobabis Solar PV Plant	Namibia
Renewable Energy and Power Grid Interconnector Projects in Africa	Africa
Due Diligence Assessment for Project Beeron Biomass Energy Plant	South Africa
Due Diligence Assessment for 8 Renewable Projects	South Africa
Grid Impact Stud for a 600 MW Coal-fired Power Plant in Limpopo	South Africa
Due Diligence Assessment for 7 MW Solar PV Project	South Africa
Due Diligence Assessment for 74 MW Wind Energy Project	South Africa
Kalungwishi Hydroelectric Project Transmission Line Route Studies	Zambia
Due Diligence for the Avon 685 MW Open Cycle Gas Turbine Peaking Project	South Africa
Due Diligence for the Dedisa 342 MW Open Cycle Gas Turbine Peaking Project	South Africa
Transaction Advisor for Capacity Building in the Energy Sector	Eswatini
Extension to the Current Kelvin Power Station Power Purchase Agreement	South Africa
Due Diligence Assessment for 10 MW Solar PV Project in Upington	South Africa
Development of a Three-year Strategic Plan for the Energy Regulatory Authority	Eswatini
Due Diligence Assessment for Three Renewable Projects Kalkbult – 72.5 MW Solar; Linde – 39.7 MW Solar; and Dreunberg – 69.6 MW Solar	South Africa
Due Diligence Assessment for Prieska 86.23 MWp Solar PV Project	South Africa
Short-term Generation Expansion Plan	Eswatini
Lavumisa 10 MW Solar PV Plant	Eswatini
Methodology for the Applications of Battery Storage in Power Systems (White Paper)	N/A
Lubhuku Thermal Power Station Feasibility Study	Eswatini
Due Diligence on 50 MW Bokpoort CSP Project	South Africa
Due Diligence Assessment for the 86.1 MWp Solar PV at Prieska for Private Investor	South Africa
Due Diligence Assessment for the 5 MW Solar PV for Private Investor	South Africa
LTA Services for the Pemba STATCOM and Maputo City Rehabilitation Project	Mozambique



Transaction Advisory Service

Due Diligence for the Redstone CSP Plant	South Africa
Due Diligence on Xina 100 MW CSP Project	South Africa
Independent Engineering Assessment of the WIP for EPC	N/A
Consultancy Services for the Assessment of the Project Execution Agency in the Nelson Mandela Bay municipality	South Africa
Transaction Advisory Service on the 60 MW Coal-fired Power Plants, Transmission and Distribution Network and Renewable Development	Madagascar
Impact of Renewable Energy Technologies on the Operations in SAPP	SAPP
Coordinate the Compilation of the Request for Tender for the Mining Power Supply with Hybrid Solutions	Madagascar
Transaction Advisory Services for the Batoka Hydro Electric Scheme	Zambia/Zimbabwe
Transaction Advisory Services for the Outapi 5MW Solar PV Plant	Namibia
Energy Project Development Strategy	South Africa
Covid-19 Regional Power Sector Assessment Note for the SADC Region	SADC
40 MW Solar PV Plant EYA	Ghana
Gap Analysis for the 40 MW Solar PV Plant Development	Ghana
Transaction Advisory Services for the Procurement of Biomass Projects	Eswatini
Development of a Regulatory Framework for Target Setting, Monitoring and Auditing of Electricity Quality of Supply and Service	Uganda
Pre-feasibility Study for the Development of Alternative Energy Sources	South Africa
Transaction Advisory Services for the Assessment of Energy Efficiency and Alternative Supply Options for Commercial Fruit Farm	Malawi
PPA and Financial Model Training	South Africa



Power System Studies and New Energy Innovations

Grid Integration Study for the Uyekraal Wind Farm Project	South Africa
Review of Two Proposed Renewable Projects Grid Connection Strategies (Cookhouse and Sarge WF and Solar PV at Nobelsfontein and Zoutpanskliphuwel Sites)	South Africa
Technical Advisory Services for the Mulilo-Longyuan Wind Power Projects 100 MW wind farm near De Aar; 50 MW wind farm near Junos; and 50 MW wind farm near Springbok	South Africa
Advisory Services for the 10 MW at Prieska and 10 MW at De Aar Solar PV Projects	South Africa
Consultancy Services for Subsynchronous Resonance Studies	UK
Generation Connection Capacity Assessment Stability Study - Year 2013	South Africa
Ubuntu Wind Farm Grid Connection	South Africa
Sub-Synchronous Resonance Study for the BritNed HVDC System	UK
Technical Advisory Services for the De Aar and Springbok Wind Farm Projects	South Africa
Technical Due Diligence of the Pearston Solar PV Park	South Africa
Technical Advisory Services for the Upington and Kleinbegin Solar PV Projects	South Africa
SAPP Network Assessment	SAPP
Connection Options for 2x140MW Wind Energy Facilities in the Vicinity of De Aar	South Africa
Technical Advisory Service on the Due Diligence for the Kathu Solar PV Plant	South Africa
Sub-Synchronous Resonance Study for the BritNed HVDC System Phase 2	UK
Transient Stability Study for Medupi Power Plant Grid Connection	South Africa
Technical Assessment of the Three Sites for the Development of Solar PV Plants	South Africa
ZIZABONA Interconnector Studies	SAPP
Grid Capacity Assessment for the Development of Wind Energy Facilities at 16 Sites	South Africa
Due Diligence Assessment of Diamond Wind Farm Project	South Africa
Preliminary Technical Assessment on the Msenge Emoyeni (Amakhala Emoyeni Phase II) 140 MW Wind Farm	South Africa
Power Evacuation Studies for Integration of Two Coal-fired Power Plants	Mozambique Botswana
Pluto Harmonics and Switching Studies	South Africa
Watershed Harmonic and Switching Studies	South Africa



Power System Studies and New Energy Innovations

Gas Turbine Project System Studies	South Africa
Renewable IPP Integration GIS Study	South Africa
Transmission Studies for the ZIZABONA Project for Energy Trading	SAPP
Palmiet Power Station Refurbishment - Fault Level Study	South Africa
PSSE Training	South Africa
Thabametsi Power Plant Grid Connection Studies	South Africa
Medupi Operational Solution	South Africa
Grid Connection Studies for the Development of a 400 MW Gas Power Plant Project	Tanzania
Lubovane Hydro Station Feasibility Study	Eswatini
DigSilent Files Development for the 2015 – 2024 Transmission Development Plant	South Africa
Thabametsi Power Plant Grid Connection Studies Part 2 - Operational Solutions	South Africa
Grid Code Compliance Studies for Diaz Wind Energy Facility	Namibia
Risk Assessment of Sub-synchronous Oscillations at Wind Farms	Scotland
Network Impact Assessment for the Solar PV Projects in Hotazel	South Africa
Due Diligence and Grid Code Compliance Studies for Diamond Wind Farm Project	South Africa
Transmission Studies on the NWTGC Network	Botswana
Feasibility Studies for the Development of a 400 MW CCGT Plant in the Mtwara Area	Tanzania
Transmission Integration Studies for the Proposed Namane Coal-fired Power Plant	South Africa
Leopard Hills Solar PV Grid Connection Feasibility Studies	Zambia
Technical Assessment for Solar PV Plants in the Rustenburg	South Africa
Review of Grid Connection of Two 50 MW Solar PV Plants	Zambia
Grid Connection Studies for a 75 MW Wind Farm Plant	Tanzania
Pavua Hydro Power Station Feasibility Study	Mozambique
Djermaya Solar PV Project	Chad
Grid Connection Assessment for the proposed Eersterivier Wind Farm	South Africa
Waterberg 132 kV Network Studies	South Africa
Bankable Feasibility Studies for 400 KV Transmission Line and Substation	Côte D'Ivoire
Site Selection and Identification for Solar PV Plant	Côte D'Ivoire



Power System Studies and New Energy Innovations

Grid Capacity Assessment for the Helios 400 kV Substation	South Africa
Technical Assistance on the 20 MW Solar PV Project	Lesotho
Thabametsi Integration Study and Grid Code Compliance Study Part 3	South Africa
Design and Grid Code Compliance for a Proposed 4 MW Biogas Project	South Africa
Preliminary Feasibility Assessment of the 40 MW Solar PV Plant in Kajiado County	Kenya
Grid Connection Study for 120 MW Namaacha Wind Farm Project	Mozambique
Proposed 100 MW Solar PV Plant Grid Impact Study	Mozambique
KPLC Loss Reduction Initiative	Kenya
Feasibility Study for Solar Photovoltaic Farms in the Western District Area (Merafong)	South Africa
Load Forecast and Transmission Studies for the 60 MW Coal-fired Power Plants	Madagascar
Grid Connection Studies for 70 MW Solar PV Plant at Ramarotole	Lesotho
Technical Assessment for the 320 MW Marracuene Project	Mozambique
Grid Impact Study on VRE Generation	Eswatini
Professional Engineering service for Large Scale Energy Storage Battery Grid Connection	South Africa
Technical Assessment for the 100 MW Solar PV Project Grid Connection	Mozambique
Technical Due Diligence for the Ngonye Falls Hydropower Project	Zambia
Review of the Cummins 12 MW Biomass Power Plant	Kenya
Mine Grid Supply Study	Botswana
Grid Integration Study for Wind and Solar Power Plant Projects in Dodoma	Tanzania
200 MW WEF, 50 MW Solar PV plus BESS Grid Integration and Grid Code Compliance	Tanzania
System Studies to Improve Dynamic Stability, Power Transfer and Power Quality of the Copperbelt Energy Company	Zambia
Grid Capacity Assessment for the Helios 400 kV Substation Update	South Africa
Impact of Renewable Energy Technologies on the Operations in the SAPP Part 2	SAPP
70 MW Solar PV Plant Project Grid Connection and Conceptual Design	Lesotho
Reactive Power and Voltage Support Study	Kenya
Witkop Solar PV Power Quality GCC	South Africa
CCGT Grid Connection Assessment at 5 Identified Sites	South Africa



Power System Studies and New Energy Innovations

Northern Cape Renewable Park Grid Connection Capacity Study	South Africa
Improvement of the SAPP Transmission Pricing Methodology for Implementation	SAPP
Assessment of High Voltage (HV) Limitations on Power Evacuation from Transmission Substations in the Northern Cape	South Africa
Northern Cape Solar Energy Power Plant(s) Grid Connection Capacity Study	South Africa
High-level Technical Assessment of the Expected Level of Grid Unavailability and Curtailment	South Africa
Grid Unavailability Analysis and System Curtailment Study for Northern Cape	South Africa
Maldives Solar PV Power Plant Grid Connection Assessment	Maldives
700 MW Solar PV Grid Connection in Limpopo	South Africa
VRE Grid Connection Studies for CEC	Zambia
Western Cape Grid Capacity Assessment for IPP	South Africa
Consultancy Services for System Studies and Engineering Design for Suswa STATCOM, Contract Documentation and Project Management for Supply and Installation of Suswa and Rabai STATCOMs	Kenya
Supply Reliability Assessment for a Large Petroleum	South Africa
Grid Connection Capacity Assessment for 5 VRE Plants	South Africa
10-Year Generation Connection Capacity Assessment	Mozambique
VRE Grid Connection Studies at Mookodi Substation	South Africa
VRE Grid Connection Studies at Vaal River Site	South Africa
Feasibility Studies, Needs Assessment and System Sizing for Mini-grids	Lesotho
Richborough 2 x 49.99 MW BESS Grid Code Compliance Study	UK
Northern Cape Generation Connection Capacity Assessment and Network reinforcement Options and Cost Estimate for Wheeling 700 MW to Limpopo and Cape Town	South Africa
100 MW Solar PV Grid Connection at Saldanha	South Africa

Generation and Transmission Engineering

Operational Benchmarking Exercise	Cameroon
Hwange Power Station Power System Stabilizer Tuning	Zimbabwe
AVR and Governor Model Development and Islanding Studies at Richards Bay	South Africa
Dorper Wind Farm Model Validation	South Africa
Kouga Wind Farm Model Validation	South Africa
Generator, Excitation & Governor Model Validation	Malawi
Protection Coordination Consultancy Services to ZETDC	Zimbabwe
Owner's Engineer for the 2x5MWac Gobabis Solar PV Plant	Naqmbia
Wind Farm As Built Model Development	South Africa
De Aar Solar PV Model Validation	South Africa
Develop Validated RMS Models for the Droogfontein Solar PV Park	South Africa
Amakhala Wind Farm Grid Code Compliance and Grid Testing Evaluation	South Africa
Cookhouse Wind Farm ElectroMechanical Transient (EMT) Model Validation	South Africa
NSCP Bauchi 100MW Solar PV Plant	Nigeria
Tugela Mill Grid Code Compliance Testing and Studies	South Africa
Roggeveld Wind Energy Facility Grid Code Compliance Study	South Africa
Owner's Engineer for Gwanda Solar PV – Phase 1 (Evaluation)	Zimbabwe
Komatipoort Sugar Mill Grid Code Compliance Evaluation	South Africa
Malelane Sugar Mill Grid Code Compliance Evaluation	South Africa
Boshoff 60 MW Solar PV Plant Earthing Evaluation	South Africa
OE Work for Lavumisa 10 MW Solar PV Plant	Eswatini
Ubombo Sugar Grid Code Compliance Evaluation	South Africa
Malelane Sugar Mill Grid Code Compliance Evaluation	South Africa
Grid Code Compliance Studies for Diaz 44 MW Wind Energy Facility	Namibia
Northwest Transmission Grid Connection Reactive Power Compensation and NGR Studies	Botswana
Develop a Computer-based Simulation Model for Conducting EMT Analysis for the Jeffreys Bay Wind Farm	South Africa
20MW Rooftop Solar Feasibility Study	Zimbabwe


Generation and Transmission Engineering

Bankable Feasibility Study for a 60 MW Coal-fired Power Plant, 600 kM Transmission Line and 3 Distribution Substations	Madagascar
Earthing Studies for the 50 MW De Aar Solar PV Plants	South Africa
Mondi Richards Bay Mill Grid Code Compliance Services (testing and studies)	South Africa
200 MW WEF, 50 MW Solar PV plus BESS Grid Integration and Grid Code Compliance	Tanzania
Review of Grid Connection Requirements for the Construction of 20 MW Solar PV Plants	Namibia
Technical Consultancy Services to Karpowership for the Risk Mitigation Independent Power Producer Programme	South Africa
Owners' Engineer Services for Bobonong (3MW) and Shakawe (1MW) Solar PV Projects	Botswana
70 MW Solar PV Plant Project Grid Connection and Conceptual Design	Lesotho
Development of a Control System Philosophy for Multi-facility Generation Sources	South Africa
Malelane Mill Grid Code Compliance Assessment	South Africa
Optimisation Study for Sugar Farm Power System	Eswatini
Compiling BESS Project EPC Tender	South Africa
Power System Stabiliser Studies and Commissioning for the 2 x 25 MW Coal Power Plant	Zimbabwe
Hydra B and Hydra E Grid Connection Studies	South Africa
Merebank Mill Grid Code Compliance Testing & Studies	South Africa
Protection Audit and Grading Study for Copper Mining	Zambia
Felixton Mill Grid Code Compliance Testing & Studies	South Africa
Amatikulu Grid Code Compliance Testing & Studies	South Africa
Illovo Eston Grid Code Compliance	South Africa
Noorsberg Sugar Mill Power Plant Load Swing Investigation Study	South Africa
Nakambala Sugar Mill Power Plant Load Swing Investigation Study	South Africa



Energy Economics

Tariff Analysis	Eswatini
Electricity Cost of Supply Study	Eswatini
Financial Modelling for the Hydro Power Generation Project	Mozambique
Commercial Advisory Services on the Gas Engine and Hydro Power Generation Projects	Mozambique
Gas Market Studies	South Africa Mozambique
Cost-Benefit and Comparative Analysis of Shale Gas vs. Nuclear Power	South Africa
Financial Model for the Kgabaletsane Solar Photovoltaic Plant	South Africa
Kelvin Power Station Review	South Africa
Mini-Hydro Tariff Study	Eswatini
Technical, Financial and Economic Assessment Model for Evaluating Renewable Projects	Namibia
Economic Impact Assessment of Load Shedding within the City of Johannesburg	South Africa
Technical Advisory Services for Funding Renewable	Botswana
Domestic and Street Solar Light Audit	South Africa
Pre-feasibility Study for Ngwempisi Hydro Power Plant	Eswatini
Power Supply Study for a Mining Company	DRC
Financial Model Development for Bidding on Metering Services	Nigeria
Tariff Methodology Development for Energy Regulator	Eswatini
Assessment of the Installation of Prepaid Meters for the Electric Distribution Company	Nigeria
Techno-economic Assessment on Southern Lesotho Rural Electrification and Network Development	Lesotho
Develop a Mozambique Gas Strategy	Mozambique
SAPP Load Forecast Methodology Review	SAPP
High-level Review of Potential Future Energy Supply Options to MOZAL	Mozambique
Overview of the Regulatory and Competitive Landscape for Renewable Energy Asset Investments	South Africa
Steam Generation Project Conceptual Study	South Africa



Training

- PSSE_Steady State
- PSSE_Transient stability
- EMT Studies
- PV Syst
- Transmission and distribution planning
- VRE Grid Code compliance
- Project financial justification
- Project PPA