

EXEL ELECTRICAL ENGINEERING
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COMPANY PROFILE

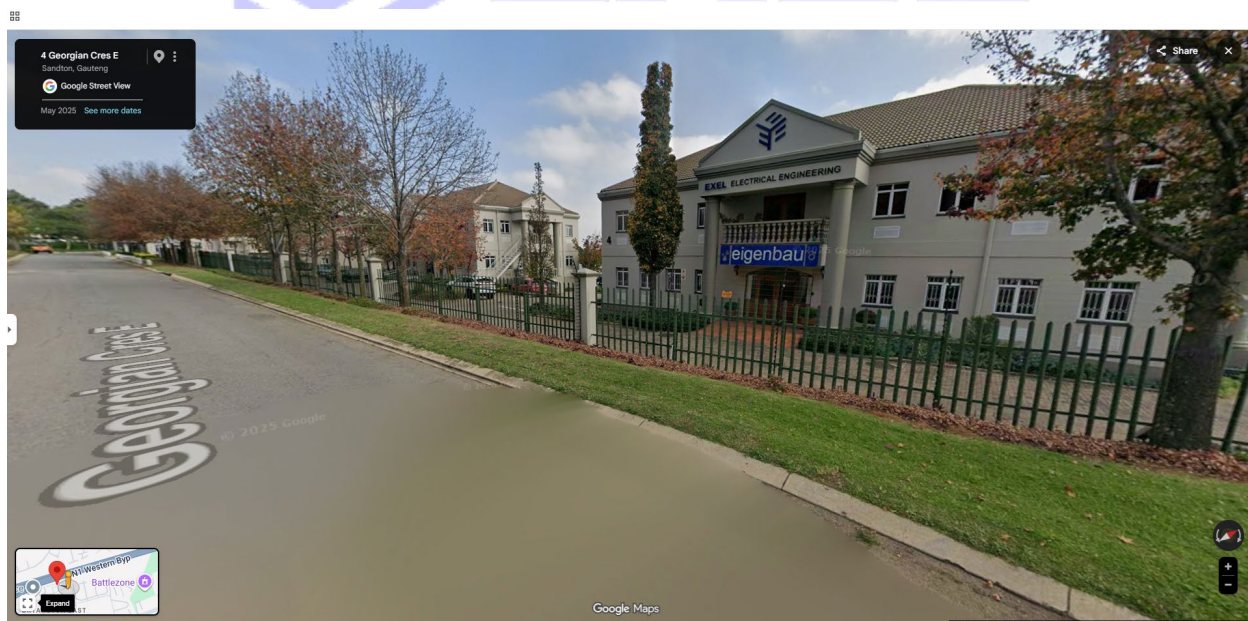
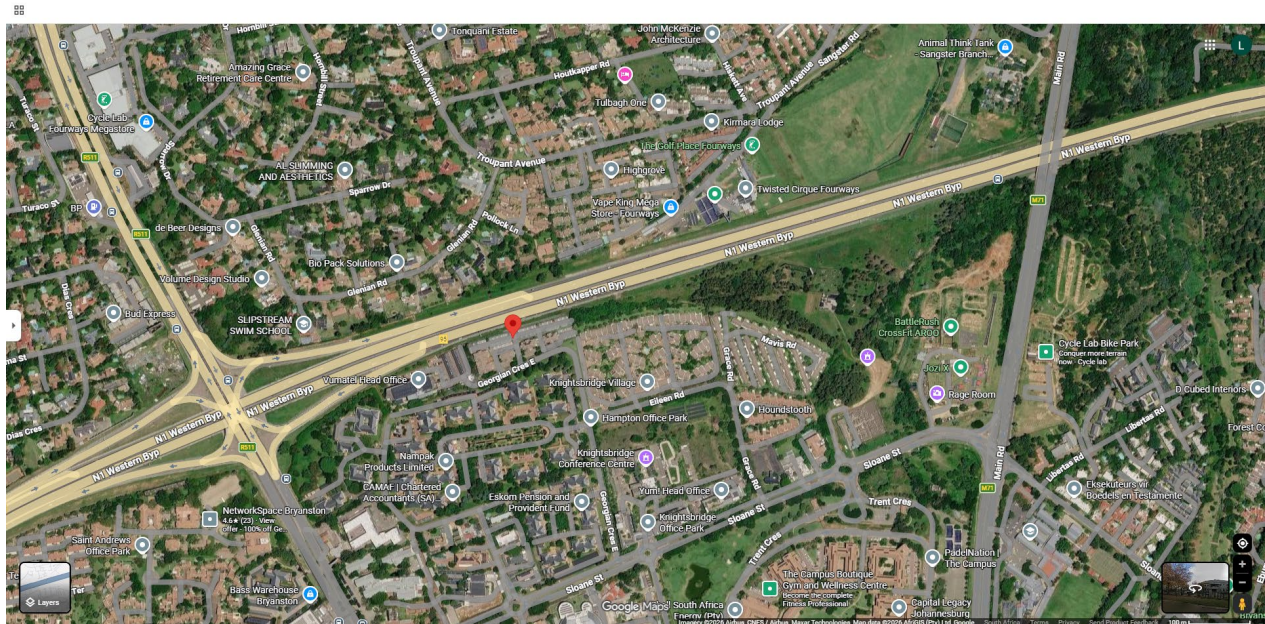
June 2026

EXEL ELECTRICAL ENGINEERING (PTY) LTD (EXEL EE) is a Johannesburg-based Electrical, Control and Instrumentation engineering company delivering practical, high-quality solutions for mining, industrial, commercial and renewable energy projects. Since commencing operations on 1 March 2006, EXEL EE has built a reputation for dependable engineering, hands-on project execution and client-focused service.

From concept and design through to supply, installation, commissioning and final handover, EXEL EE provides the technical capability and project discipline required to deliver turnkey EC&I solutions. The company designs, engineers and commissions electrical, instrumentation, data control, solar, inverter and medium-voltage systems across a wide range of applications, with work completed in accordance with applicable national SANS regulations and standards.

Our experienced engineering team works closely with clients to understand each project's operational, technical and budget requirements. This collaborative approach enables EXEL EE to deliver fit-for-purpose solutions across BMS data control systems, back-up and redundancy infrastructure, large-scale solar and inverter systems, MV reticulation, water treatment and process-related environments.

Our Offices are located in Bryanston, Johannesburg overlooking William Nicol and the N1 highway.



Directors: B. Scott, D. Le Roux, E. Greeff, L. Bouttell, L. de la Motte

CAPABILITIES

- **Due Diligence**

- Introduction Meetings – Project resources and requirements.
- Site Visits to assess infrastructure, standards, and requirements.
- Conceptual Deliverables
- Presentations & Reports

- **Feasibility Studies**

- Typical Work Packages for the various aspects of the FS include:
 - Engineering Design & Review
 - Engineering Design Interface (Client, Civils/Structural, Mechanical, Process)
 - Tender Process:

- **Load Studies**

Required for sizing alternative or supplementary supplies such as generators and PV Solar plants as well as additional power supply capacity applications with local, national and international authorities.

- Assessment of existing electrical systems, both LV and MV
- Analysis of data
- Load Profiles, Reports and recommendations
- Notifiable Maximum Demand thresholds.

- **Network and Load Flow Analysis**

- Assessment of existing electrical systems, both LV and MV
- Analysis of data
- Reports and recommendations

- **Design & Engineering**

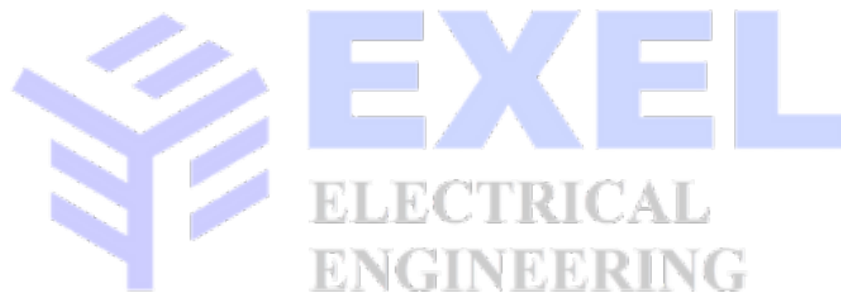
- General arrangements, layouts, single line drawings and concepts.
- Schematics, P&ID drawings, loop drawings and schedules
- PLC and SCADA software development and engineering.
- Network Architecture and Protocols
- Back-up power, Solar and Inverter design.
- MV Switchboards, Reticulation and Protection System Integration.
- Instrumentation application, installation, and commissioning.
- Infrastructure Building Management Services (BMS)

- **Construction and Installation**

- Availability of large contracting personnel and teams for implementation of designs.
- Site installation of cable support systems, cabling, control devices, substations, transformers, UPS, invertors, solar systems, surge protection, both data & power, lighting and small power.

- **Manufacturing & Assembly of:**

- 19" Rack Network Panels – Various configurations.
- Motor Control Centers- Form 3a, 3b and techno modular type MCC'S.
- PLC Panels.
- Various types of control panels-DOL, Soft starters, variable speed drives including Mill control systems, LRS starters etc.
- Containerized substations
- MV Switchboards-33kv/11kv, 6.6kv-Containerized OR Indoor & Outdoor.
- Transformers
- Manual control systems.
- Relay logic systems.
- Safety and redundant systems.



PROJECTS COMPLETED/IN PROGRESS FROM 2018

Summary of some of the Projects, completed by EXEL EE that include design; engineering to construction and commissioning; to final handover, including training of end user resources:

- **2018/2019- Hassai Project, Sudan – APT – Gold Recovery Plant**
 - o E,C&I Design, Engineering, Installation & Commissioning.
- **2018/2019- Olovo Project, Bosnia – APT = Gold Recovery Plant**
 - o E, C&I Design, Engineering, Installation & Commissioning.
- **2019/2020 – RBMR, Rustenburg – 904 MCC– Anglo Platinum.**
 - o EC&I Design, Engineering & Commissioning.
- **2020 – Scotgold Project, Scotland – APT - Gold Recovery Plant**
 - o Design, Engineering & Commissioning.
- **2021 - 2022 – Barrick Gold, North Mara - Tanzania – Water Treatment Plant**
 - o E,C&I Design & Engineering, Installation & Commissioning.
- **2021 - 2022 – Jindal Coal, Mozambique – Takraf - Coal Handling**
 - o E,C&I Design & Engineering
- **2022 – Mytilineos Coal, Greece – Takraf - Coal Handling**
 - o E,C&I Design & Engineering.
- **2021 - 2023 – Various Household Clients – Residential Solar System installations**
 - o Perform Load Studies, Supply, Install, Commission Hybrid Inverters, Batteries and Solar Panels
- **2022 - 2023 – Swedish Stirling**
 - o Front End Engineering Design for Energy Conversion Facility
- **2022 - 2023 – Paterson & Cooke**
 - o Electrical Conceptual Design for Reclaim Water Transport facility, Sweden
 - o Detailed Feasibility Study, Backfill Plant, Czech Republic (In progress)
 - o Detailed Electrical Design, Glensanda, Scotland

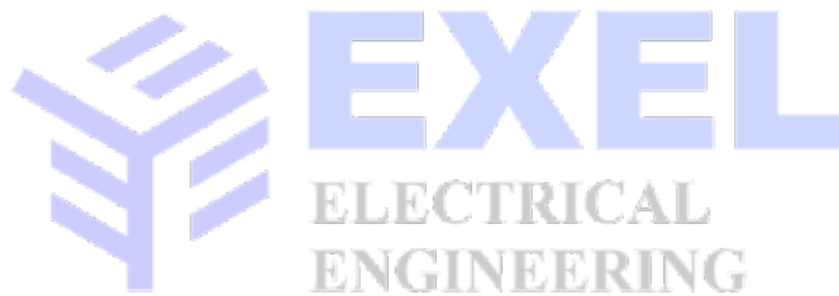
- Detailed Electrical Design, Bosnia (In progress)
- **2021 - 2023 – Sephaku Cement**
 - Electrical, Control & Instrumentation Turnkey Project, Fly-ash Project, Delmas
- **2022 – 2023 – Midnight Storm – Solar Energy System**
 - Supply, Install and Commissioning of 24kW Solar System including Lithium Batteries and Solar Panels.
- **2023 – DOT Energy – Solar Energy System**
 - Grid Impact Study, Network and Load-Flow analysis for 25MW PV Solar Tie in to 66kV System.
- **2023 – Harmony Gold – C&I Installation – West Pump & Sulphur Pay Dam**
 - Siemens PLC & SCADA development, Installation and Commissioning
 - Cable and Instrumentation installation and commissioning
- **2023 – Picko Consulting cc – Mobile Briquette Pilot Plant**
 - E,C&I design, Engineering, Installation and Commissioning
 - Delta PLC & HMI development, installation, and Commissioning
- **2024 – Harmony Gold – Pump Station 4&5**
 - C&I Supply, Installation and Commissioning
 - Siemens PLC & SCADA development, installation, and Commissioning
- **2024 – Harmony Gold – Stream 4**
 - C&I Supply, Installation and Commissioning
 - Siemens PLC & SCADA development, installation, and Commissioning
- **2024 – Harmony Gold – Karee Rand Pump Station**
 - C&I Supply, Installation and Commissioning
 - Siemens PLC & SCADA development, installation, and Commissioning
- **2024 – AVI – Telos Water - Water Treatment Plant**
 - E,C&I Design, supply, Installation and Commissioning
 - Siemens PLC & SCADA development, installation, and Commissioning

- **2025 – Harmony Gold – Saaiplaas Pump station 6**
 - o C&I Design, supply, Installation and Commissioning
 - o Schneider PLC & SCADA development, installation, and Commissioning

- **2025 – Takraf / PPC – Hercules Clinker RD Handling Project**
 - o E,C&I Design, supply, Installation and Commissioning
 - o

- **2025 – Paterson & Cooke UK**
 - o Various Backfill Plants Electrical, Control and Instruments designs;

- **2025 – Harmony Gold – Savuka Slurry Pump Station Upgrade**
 - o E,C&I supply, Installation and Commissioning



GALLERY



25MW PV SOLAR PLANT TIE-IN 66kV GRID IMPACT STUDY, KIMBERLEY



COMMISSIONING 351 MCC, ANGLO PLATINUM, RBMR, RUSTENBURG



MV (22kV/6,6kV) SUBSTATION, FOUNDRY PROJECT, SPRINGS, RSA



INSTRUMENTATION AT REVERSE OSMOSIS WATER TREATMENT PLANT – NORTH MARA, TANZANIA.



E,C&I INSTALLATION & COMMISSIONING, HASSAI GOLD PROJECT, SUDAN



E&I INSTALLATION 4TH STAGE CRUSHER PROJECT, THARISA MINERALS



E,C&I DESIGN, INSTALLATION *& COMMISSIONING, CONTAINERISED MCC, SCOTGOLD, SCOTLAND



E&I INSTALLATION OLV LEAD PROJECT, BOSNIA



CABLES AND RACKING TO REMOTE PANEL

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**E,C&I DESIGN, INSTALLATION AND COMMISSIONING, NORTH MARA
CONTAINERIZED MCC**