



EMPOWER

Sustainable Energy

EMPOWER SUSTAINABLE ENERGY

COMPANY INTRODUCTION

OUR COMPANY

Empower Sustainable Energy (formerly Empower Electrical) has evolved into **mini-grid and microgrid development**, focusing on **sustainable energy solutions** aligned with **SDG 7 (Affordable and Clean Energy)**. With over two decades of experience, we leverage our expertise in electrical engineering, smart metering, and renewable energy infrastructure to **empower communities and businesses with reliable, decentralized energy solutions**.

Address: 105 PROTEA PLACE, 4 SECOND STREE, ORANGE GROVE, JOHANNESBURG

Email: ayanda@empowersustainableenergy.com

Cell: +27 73 733 2673

MISSION STATEMENT

OUR MISSION

Empower Sustainable Energy is committed to accelerating the transition to **clean, affordable, and resilient energy systems** across South Africa. Through **innovative mini-grid development, advanced smart metering solutions, and strategic partnerships**, we drive **energy access, efficiency, and sustainability** for underserved communities and industrial clients.

BUSINESS OPERATIONS

CORE BUSINESS OPERATIONS

Empower Sustainable Energy specializes in the following areas:

Microgrid & Mini-grid Development

- Design, installation, and maintenance of **off-grid and grid-tied solar mini-grids**.
- Battery energy storage solutions for **load management and backup power**.
- Smart metering integration for **optimized energy distribution and billing**.
- Electrification solutions for **rural and underserved communities**.

Sustainable Energy Infrastructure

- **Energy management systems** to enhance efficiency and reduce costs.
- Renewable energy consulting and feasibility studies.
- Hybrid power solutions incorporating **solar, wind, and battery storage**.
- Demand-side management and energy efficiency optimization.

Advanced Smart Metering & Grid Monitoring

- **Prepaid and smart meter installation** for accurate billing and monitoring.
 - Remote monitoring and data analytics for **grid optimization**.
 - Customized **energy solutions for municipalities, industrial parks, and commercial clients**.
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KEY COMPETENCIES

- Highly qualified and experienced team in **energy infrastructure and grid solutions**.
- Proven expertise in **mini-grid deployment and maintenance**.
- **Integration of smart meters and digital energy management systems**.
- Strong track record in delivering **reliable and cost-effective solutions**.
- Commitment to **community-driven and sustainable energy access initiatives**.

SELECTED PROJECT EXPERIENCE

Grid & Distribution

Company: RFR Electrical

- Mini substation installations, cable jointing, and terminations
- Contact: Phiko (073 109 3228)

Company: Ekurhuleni Municipality

- Overhead line installation and live connections
- Prepaid meter installations for residential areas
- Sub-station maintenance and protective structure development
- Contact: Hannes De Flaming (011 999 1713), Benny Joseph (011 999 5330), Pat Mutang (083 990 2591)

Electrical Infrastructure & Smart Metering

Company: City of Johannesburg

- Commercial maintenance and energy efficiency solutions
- Contact: Pat Botha (082 464 9581)

Company: Tsekema Consulting Engineers

- Prepaid meter installations and smart grid solutions
- Contact: Mike (011 873 3724)

Public Sector & Energy Access Projects

Company: South African Police Services & Public Works

- Generator and pump station repairs
- Electrical maintenance for police stations and justice courts
- Contact: Themba Mzobe (031 314 7180), Nomsa Shabalala (073 9966 738)

Company: Osizweni Police Station & Newcastle Police Station

- Electrical maintenance and backup power solutions
- Contact: Mr. Kunene (034 3666 300), Thembi Zwane (034 314 6270)

KEY STAFF INFORMATION

Ms. Ayanda Nkomo

Managing Director

- Msc : Sustainable Finance (UCD Michael Smurfit Graduate Business School)
- BENG : Electrical Engineering (University of Pretoria)
- Supervision of complex building projects

Mr. Johnny Enyeka

Pr. Technical Eng. (Engineering Council of South Africa: 200930078)

- Senior Member of the South Africa Institute of Electrical Engineers
- B-Tech Power Engineering
- Member of South Africa Asset Management
- Certified Project Manager
- Certified Solar System Designer and Installer
- Certified Competent Safety Officer (OHS legislation)
- Certified Competent Incident/Accident Investigator

Mr. NL Ngoma

Project Technical Lead

- Project Management (VUT)
- Installation license (Wireman's License)
- Business Controller & Acquisition
- N2 Power, DR Congo

Empower Sustainable Energy Leadership

Our leadership team brings a wealth of experience in renewable energy, mini-grid development, and energy infrastructure projects across South Africa and beyond. With expertise in solar PV systems, smart metering, energy efficiency, and sustainable electrification, we are committed to delivering scalable, innovative energy solutions that drive economic growth and advance SDG 7: Affordable and Clean Energy for All.