



OPTIPOWER

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TRANSMISSION & DISTRIBUTION PROJECTS DELIVERY PARTNER

OPTIPOWER

DELIVERING ENERGY INFRASTRUCTURE

OptiPower is an energy infrastructure company that delivers fit-for-purpose project solutions and with over 20 years project experience, is a leading engineering and project management contractor in the sector. We offer in-house engineering to design turnkey and specialised solutions for high, medium and low voltage power lines; high and medium voltage substations; overhead and underground optic fibre lines and renewable energy projects. As part of the Murray & Roberts Group, we have access to a global network of resources, suppliers and equipment and are positioned to mobilise teams to suit small to mega-scale projects anywhere in sub-Saharan Africa.

OptiPower delivers complete engineering, procurement and construction solutions across the project life cycle. We engineer to construct and construct to operate, optimising safety, productivity and cost across every phase of the project.

FIT FOR PURPOSE DESIGN



**SAFETY
RELIABILITY
AVAILABILITY
VALUE MAXIMISATION**

EXECUTION EXCELLENCE



**SAFETY
PRODUCTIVITY
COST
QUALITY**

MAXIMUM ASSET VALUE



**SAFETY
RELIABILITY
PERFORMANCE
AVAILABILITY**

CONCEPT

DETAILED
DESIGN

CONSTRUCTION

OPERATIONAL
READINESS

OPERATIONS

FEED

PROCUREMENT

COMMISSIONING

HANDOVER

CAPABILITIES

ENGINEERING



OptiPower integrates concept, FEED and detail design engineering to define and optimise assets

CONSTRUCTION



Full turnkey EPC, Design & Construct and construction only projects

OPERATION



Asset operations, maintenance and optimisation solutions

- Turnkey EPC contractor for photovoltaic solar project developments
- Turnkey Balance of Plant contractor for wind project developments
- Execution contractor for HV, MV & LV electrical balance of plant for generation plants, BESS, utility & private industrial/commercial electrical infrastructure
- Construction of MV & HV Power Lines (Distribution & Transmission)
- Construction of MV & HV Substations (Distribution & Transmission)
- Construction of Overhead & Underground Fibre Optic networks including testing & fault finding (OPGW, ADSS)
- Assist in Design of Fibre Optic on existing Power lines (OPGW & ADSS)
- Assessments, Refurbishment & Maintenance of MV and HV Power Lines (Distribution & Transmission)
- Assessments, Refurbishment of MV & HV Substations (Distribution & Transmission)
- Demolishing of existing HV Substations & Power Lines
- MV Reticulation Networks



SUSTAINABILITY

CLIMATE CHANGE AND THE ENVIRONMENT

The biggest contribution that Murray & Roberts can make to a lower carbon economy is to ensure that it has the capability to design, construct, maintain and operate infrastructure that supports environmental improvement, and to assist our clients in achieving their environmental objectives. Second to that, is the continual pursuit of opportunities to minimise the direct impact of our business activities on the environment. All our businesses are required to adopt high environmental management standards, including implementing and maintaining internationally recognised environmental management systems, using project input materials responsibly and efficiently, and complying with legislative requirements.

SAFETY

We recognise that safety is a managed outcome and have set ourselves a goal of Zero Harm. The Group's HSE Framework drives a consistent safety culture. It focuses on high-impact interventions such as managing critical safety risks and the risk of change that can affect safety outcomes. Key to continually improving our safety performance are effective leadership, streamlined systems, clear goals and operational discipline. Supporting mechanisms include keeping abreast of health and safety developments; benchmarking our performance against that of our clients, peers and joint-venture partners; periodically reviewing our systems and processes; and the sharing of knowledge and experiences.

GOVERNANCE AND REPUTATION

A high standard of corporate governance has been instilled within the Group. We gain competitive differentiation in how we execute projects that are safe, efficient, and of high quality while considering environmental impacts; in our approach as an employer in all our markets; and in how we behave as a corporate citizen with international and local responsibilities. Our Values, Statement of Business Principles and Code of Conduct guide employees in the pursuit of the Group's strategic and business objectives. Engineered Excellence is our operating philosophy of planning in detail for the outcomes we want to achieve. To embrace Engineered Excellence, we must apply rigour and discipline in everything we do and remove chance from the objectives we seek.



MURRAY & ROBERTS GROUP

Murray & Roberts is a leading engineering and contracting group of companies and focuses its expertise and capacity on delivering sustainable project engineering, procurement, construction, commissioning, operations and maintenance solutions. The Group delivers its capabilities into the resources (metals & minerals) and renewable energy sectors.

Murray & Roberts is a group of world-class companies and brands aligned to the same Purpose and Vision, and guided by the same set of Values.

The Murray & Roberts Group A multinational specialist engineering and construction group focused on specific target market sectors

STOP. THINK. ACT. 24/7: SAFE OUTCOMES IN EVERYTHING WE DO

GROUP BUSINESSES

MINING

OPTIPOWER

PURPOSE

Enabling fixed capital investments that support the advancement of sustainable human development.

VISION

To be a leading multinational engineering and construction group that applies our project life cycle capabilities to optimise fixed capital investment.

VALUES

- Integrity
- Respect
- Care
- Accountability
- Commitment

ENGINEERED EXCELLENCE

SERVICES



RENEWABLE ENERGY

- EBoP contractor for PV Solar and Wind Renewable Energy Projects
- Installation of Solar panels, and mounting infrastructure
- Upgrading of existing plants
- Refurbishment of existing plants
- Assessment and recommendations for improving quality of supply
- Quantity surveying



TRANSMISSION LINES

- Turnkey design and construction of all Power lines from 11kV up to 765kV
- Refurbishment of Lines
- Conductor replacement
- Insulator replacement
- Foundation refurbishment
- Steel Member replacement
- Guy Anchor Link Refurbishments and replacement
- Spacer Damper replacement



SUBSTATION

- Substation layout design
- Quantity surveying
- Turnkey construction of Substations from 11kV to 400kV.
- Upgrading of existing substations
- Refurbishment
- Assessment and recommendations for improving quality of supply
- SCADA design



FIBRE OPTIC

- Turnkey Installation of all Fibre Optic Types (Under Live line and outage conditions)
- Specialist Splicing and Testing
- Emergency repair work
- Fibre Optic design Work
- Equal Potential Plotting
- Fault locating
- Patching
- Assisting in the Commissioning of Fibre Optic network with an approved specialist

PROJECTS



SKA MeerKAT EXT Project

Installing Power and Fiber Communication Reticulation

We are currently expanding the SKA observatory, 100km outside of Carnarvon, in a radio silent zone of the Karoo.



Golomoti Solar Pv Project

Electrical Works

Supply of Key Equipment Works Packages – Modules, and/or – Inverters, and/or – Single-axis Trackers



Zeerust PV Plant Project

Supply, Construction and Commissioning

Execution of turnkey project (supply, construction and commissioning) of 132kv overhead line and elevating and switching substation Recapital – Kameeldorn (respectively) and enlargement of Zeerust



Motheo Copper Mine 132KV Line

Design, Manufacture, Supply, Installation and Commissioning of 15 Km, 132KV Powerline and associated Transmission Works.

The Works includes design, supply, construction and commissioning



84MW Wolf Wind Farm

EPC Balance of Plant – Early Works Contract

Wind Farm Civil & Electrical Balance of Plant design



Edwaleni Project

Construction of Edwaleni II to Stonehenge 132 kV Line and Associated Substation Line Feeder Bays

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