

Management
profile

Company Profile

visionary green energy





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Management Profile

Luthando peter



A Professionally registered engineer with ECSA since 2008, and was with Eskom for more than a decade designing transmission and distribution infrastructure. He also, led the technical audit teams, for refurbishment and overhead line performance improvement projects. He has presented around the world in conferences on this topic with his work being published and some translated into Spanish for publication in Brazil.

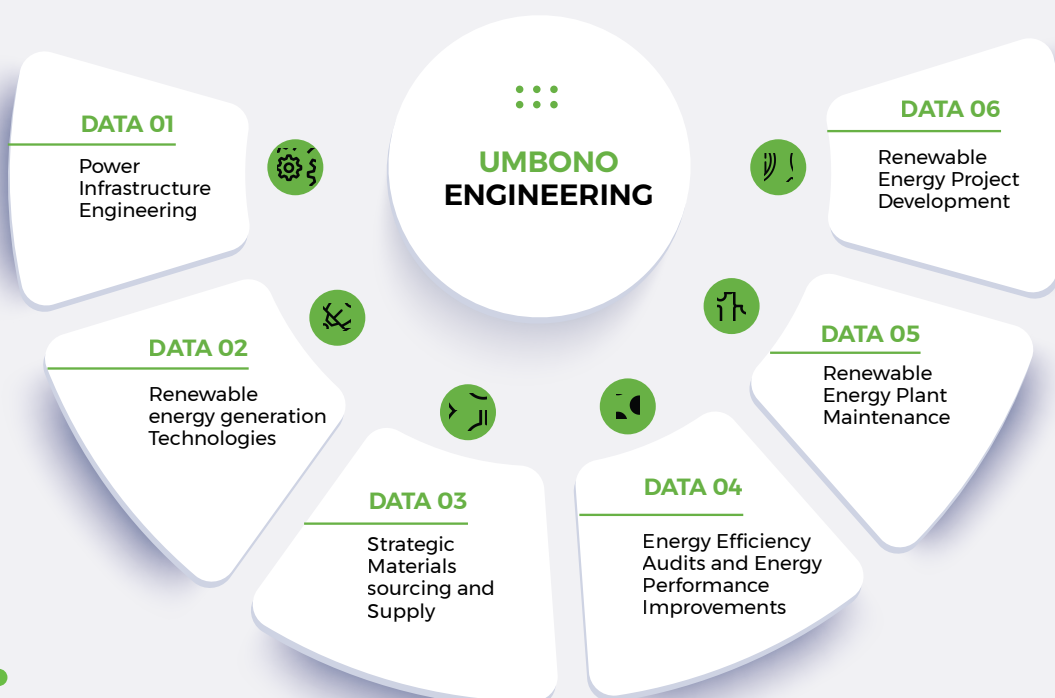
He has received various awards including Young Professional of the year from Eskom and Young Achiever award from South African Institute of Electrical Engineers. He holds the following qualifications, BSc Degree Electrical Engineering with University of the Witwatersrand, Post Graduate Diploma in Industrial and Electrical Engineering from the University of the Witwatersrand, National Diploma on Technology Innovation Management from the Da Vinci Institute of Technology He is also a Member of South African Institute of Electrical Engineers He currently holds the position of Managing Director at Umbono Engineering Where he still does engineering designs and also looking at business development opportunities



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Company Organogram





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03.



Who we are: Consulting



A wholly black owned engineering consulting company focusing on power system planning studies, design and construction supervision, equipment installation, commissioning, maintenance of power infrastructure.

Also offers technical overhead line and substation audits and refurbishment scope generation for the electrical infrastructure. We target power producers, distributors and bulk end users, such as mines and municipalities. We look at asset condition and develop strategies on asset management for the clients in order to ensure sustainability and reliability of electrical installations for continuity of electrical supplies.



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04.



Power Infrastructure Engineering

The Cornerstone of Umbono Engineering is Power Infrastructure Engineering



Our Engineering Offering Spans Across a range of Power Infrastructure Field,

Power System Planning Studies

Renewable Generation Plant Design,

Transmission Infrastructure Design

Distribution Infrastructure Design

Substation Design

Reticulation Design

As well as Low Voltage network and
building services electrical reticulation

Our Typical Clients – Municipalities, Power Utilities, Mines and other bulk power users



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05.



Renewable Energy Project Development

Through Our Exposure to Bulk Power Users via our Engineering Division.



We have managed to extend our services to the following:

Develop Renewable Energy projects with our strategic partners

We design the grid connection infrastructure

Our partners have permitted land to ensure that projects can be developed quicker

Our one partner has funding available for all the projects we develop

We target bulk power users who want to enter into PPA's as means of their decarbonization drive

These projects aren't developed for the REIPPP but for private clients needing Green power either from Wind or Solar PV up to 100MW per project

Our Typical Clients – Municipalities, Power Utilities, Mines and other bulk power users



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Renewable Energy Generation Technologies

We have decided to widen the scope of generation technologies offer, primarily for industrial property and commercial property owners as well as Mines and Municipalities:

We offer the following technologies:

Solar Rooftops and small scale ground mounted solar power generation

Waste to Energy technologies for helping out municipalities with their waste challenges

Modular Gas to Electricity technologies that can be scaled to the client's needs (saving of up to 30% on electricity costs)

The driver for deploying these technologies, through our



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07.



Energy Efficiency Audits & Energy Performance Improvements

Our renewable Energy experience is closely interlinked with Energy Efficiency

Under our Energy Efficiency Division we offer the following:

Technical Audits to ascertain the energy (electricity and water) profile for the building

Identify areas of improvement through matching the right technologies and the identified gaps

This process is meant to eventually assist our client to get their buildings energy performance certified

This all assist our clients towards not only energy efficiency and energy performance certification but as well as assist with their decarbonization plans



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09.



Strategic Materials Sourcing and Supply

Through our involvement in the Energy sector, we have identified the following:

.There is a shortage of Black suppliers of materials to the Energy Industry

International manufacturers of strategic materials such as Marine Power Cables for Offshore Wind Projects

International patent partnerships with International manufacturers to bring their IP into RSA to setup small scale manufacturing of electrical components that will fulfill the local content requirements from the REIPPP for both Wind and Solar projects

The production lines for these components is planned to be setup in Port Elizabeth, Coega IDZ



Thank You

