



MBHE Capability Statement

Company Name:	MBHE Group Pty Ltd		
Year Established	1996		
Location	Building 6, Centuria Park, 265 Von Willich Ave, Centurion, PTA		
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Primary Contact:			
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COMPANY PROFILE

Core Competencies: MBHE's team of engineers are professional in multiple disciplines including; mechanical, electrical, chemical and industrial. Furthermore, MBHE's services include feasibility studies, project development, project management, small-scale operations and maintenance of power plant, technical management services and energy monitoring.

Brief History: MBHE Group is a holistic energy services company based in Centurion, South Africa. Founded as MBH Energy in 1996 as a boiler design and manufacturing company, MBHE spent several years acquiring a record of accomplishment in the Southern African sugar - and paper sector before they received a project from the Central Energy Fund (CEF SOC) for an 8.4 Megawatt (MW) biomass power plant, a turning point in the history of the company. This paved the way for the establishment of sister company, MBHE African Power. MBHE African Power is a renewable energy project development company, focusing on the design, implementation and ownership of operational energy assets that lead to sustainability and cleaner production. The MBHE projects portfolio includes technologies in biomass, biogas, waste to energy and solar PV. Today, following a recent consolidation, MBHE Group consists not only of the original boiler Design Company and MBHE African Power for renewables, but also MBHE Operations & Maintenance (O&M), which is dedicated to small-scale operations and maintenance of renewable energy assets as well as providing technical and administrative management services on behalf of the shareholders within the various project companies. In addition, MBHE O&M offers energy audits, installation of energy monitoring systems, and billing reconciliation for their clients.

Value Proposition: MBHE's focus is primarily in renewable energy project development, focusing on the design, implementation and ownership of operational energy assets that lead to sustainability and cleaner production.

Competitive Advantage: MBHE Group (Pty) Ltd with its holistic approach to the energy industry can manage projects from inception through to operation for the entire life cycle of the plant.

CAPABILITIES AND CAPACITY

Business Units:

Ownership of Energy Assets:	MBHE Group (Pty) Ltd
Engineering:	MBH Energy (Pty) Ltd
Feasibility & Project Development:	MBHE African Power (Pty) Ltd
Solar PV installation and energy storage solutions:	MBHE GTE (Pty) Ltd
Operations and Maintenance:	MBHE O&M (Pty) Ltd
Namibian Operations:	MBHE Energy (Namibia) (Pty) Ltd
Zambian Operations:	MBHE Zambia Pty Ltd

Current Energy Assets Include

George Biomass Energy (Pty) Ltd 20%

Services: Feasibility Studies, Development, Design, Engineering, Fabrication, Operations and Maintenance

Products:

Boiler Plant

- Boiler Pressure Part's
- Economisers
- Air heaters
- Ancillaries

Solar Photovoltaic Plant

Anaerobic digester systems

Landfill Gas extraction and generation facilities

Waste to Energy AD and DC Plants

Typical Value of Projects: ZAR 2.5 million to ZAR 100 million

Geographical area served: Southern Africa, (Namibia, Zambia, Mozambique, Zimbabwe, and Botswana) Pakistan and Macedonia

KEY PERSONNEL

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PROJECT SHOWCASE

Project Name: Mall of the North
Project Description: *1,3MW Solar PV Installation project*
Scope: Design, supply and installation of solar array
Location: Pretoria, Gauteng
Value: R 14 million

Project Name: Mayborn Investments, Fleisherei Processing Facility
Project Description: *300kWp Solar PV Installation, completed in budget and in time*
Scope: Design, Supply and Installation of solar array
Location: Louwleria, Centurion, Gauteng
Value: R 4.5 million

Project Name: Van Eck Rehabilitation Project
Project Description: *Retrofit all firing equipment for 120MW power station*
Scope: Redesign boilers for firing coal and biomass simultaneously
Location: Windhoek, Namibia
Value: R 65 million

Project Name: CEF - George Biomass Energy
Project Description: *8.3MW biomass power station project*
Scope: Project Development, Design, manufacture and Power Boiler
Location: George, Western Cape
Value: R 93 million

Project Name: Landmark Properties, World Bank Pretoria
Project Description: *101.4 kWp Solar PV Installation project*
Scope: Design, supply and installation of solar array
Location: Pretoria, Gauteng
Value: R 1.492 million

Project Name: GMI Property Group, SkyCity Mall
Project Description: *855.4 kWp Solar PV Installation project*
Scope: Design, Supply and Installation of Solar array
Location: Johannesburg, Gauteng
Value: R 6.383 million

CLIENT LIST

- *Resilient Property Group*
- *Fortress Fund Property Group*
- *Moolman Group*
- *Multiflora / Agricola*
- *Caxton Media Group*
- *Illovo Sugar*
- *Tongaat Hulets*
- *TSB Sugar*
- *Maragra Sugar (Mozambique)*
- *Sasol*
- *Engine*
- *Sonae Novobord*
- *Descon (Pakistan)*
- *CEF (Central Energy Fund)*
- *NamPower (Namibia)*
- *Interwaste*
- *National Business Initiative*
- *Netcare Hospitals*
- *Mayborn Investments*
- *GMI Property Group*
- *Gothic Construction*
- *Nashua*
- *PABAR Industries*
- *North Atlantic Engineering (Zambia)*
- *Central Solar de Mecufi (Mozambique)*
- *Roman Catholic Hospital (Namibia)*
- *Full list on request*

QUALITY COMMITMENT

Quality Management:

The Managing Director and staff of MBHE have committed themselves to providing products and services which meet the requirements of ISO 9001:2008 "Model for quality assurance in design, development, production, installation and servicing."

MBHE management promotes and supports quality in all disciplines within the company. The management team accepts full responsibility for and has an unqualified commitment of the quality of design, development, production, installation and servicing in all activities conducted by the company.

This responsibility is further delegated to all personnel throughout the company. Every employee has a commitment to quality and to observe that all quality activities within the company are implemented in accordance with the quality programme and procedures of the Company.

Maintenance of the system will be ensured by regular internal quality audits.

INSURANCE COVERAGE

Public Liability:	R50 Million	RBS, One Underwriting
D&O Liability:	R5 Million	Hollard
Professional Indemnity:	R25 Million	Hollard
CAR Cover*	R11.6 Million	A&CE

*Flexible according to current projects

LICENSES/CERTIFICATES/ACCREDITATIONS/ASSOCIATIONS & TESIMONIALS

Associations:

- NBI* - *National Business Institute*
- SAAEA* - *South African Alternative Energy Association*
- NCPC* - *National Cleaner Production Centre of South Africa*
- CIDB* - *Level 6 Mechanical and Electrical Contractor rating*
- SAIPPA* - *South African Independent Power Producer Association*
- SAPVIA* - *South African Photovoltaic Industry Association*