



COMPANY PROFILE

Engineering & Project Management

Revision 2: 22_12_2013

COMPANY DETAILS

COMPANY NAME:	Indyebo Consulting Engineers & Project Managers
OFFICES	Midrand
Physical Addresses	43 Birchwood Court, Montrose Street, Midrand, 1686
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Registration No.	2005/061767/23
Vat No.	4670262031
Professional Indemnity	Stalker Hutchison Admiral Underwriting Managers on behalf of Santaam Insurance Company (valid from 01 June 2013 to 31 May 2014)

ABOUT INDYEBO CONSULTING

Indyebo Consulting Engineers and Project Managers is a multi-disciplinary Engineering, Construction and Management Consulting firm specialising in Engineering and Project Management services. The company is 100% owned and managed by black South African entrepreneurs emanating from engineering and construction background. The company separates itself from the rest with its professionalism and qualified team to undertake projects.

OUR VISION

To be a company of choice in the provision of engineering and project management professional services by continuously influencing the industry positively.

MISSION

- Capacitate the company with adequately competent staff
- Maintain a high level of professionalism
- Add significant value to our clients
- Advocate for efficiency in all we do to optimise productivity at minimal cost
- Ensure sound governance in all our projects

CORE VALUES

- Sound business ethics
- Honesty and transparency
- Professionalism, partnership and co-operation with clients and stakeholders
- Customer focus

QUALITY MANAGEMENT SYSTEM

Indyebo has in place a Quality Management System that complies with the ISO 9001:2008 system including: Document Control Procedure, Control of Records Procedure, Control of Non-Conforming Product / Service, Corrective Action Procedures, Preventative Action Procedures, Internal Audits, and other Internal Processes. The company's Quality Policy is available on request as well as: Quality Manual, Project Quality Plan, and Quality Control Plan. The company is working towards attaining the ISO 9001:2008 certification.

In managing projects we subscribe to the internationally recognised PMI's PMBoK (Project Management Body of Knowledge), which ensures that good practice project management methodologies are implemented in our projects depending on the client and the nature of project. Our Engineering design work is based on credible and recognised



standards and codes such as SANS, DIN, BS or other, depending on the client and nature of project. The lead Project Managers, Engineers or Valuers have one or more of the following certifications: PMP, Pr CPM, Pr Eng, Pr Tech Eng, CEM, Pr V.

PROFESSIONAL SERVICES OFFERED

1. ENGINEERING SERVICES

- 1.1 Mechanical
- 1.2 Electrical
- 1.3 Civil and Structural
- 1.4 Alternative Energy Solutions including Metering Systems
- 1.5 Property Valuations

2. PROJECT AND PROGRAMME MANAGEMENT Including

- 2.1 Project Risk Management
- 2.2 Procurement Management and Expediting
- 2.3 Commercial and Contract Management
- 2.4 Scoping, Concept, Pre-feasibility, and Feasibility Studies
- 2.5 Financial Models to determine project viability

3. OTHER SERVICES DONE IN PARTNERSHIP WITH ASSOCIATES

- 3.1 Architectural Services
- 3.2 Quantity Surveying
- 3.3 Land Surveying

1. ENGINEERING SERVICES

We offer full engineering solutions tailor made to suit each customer, and these include the entire project life-cycle, starting from project development, scoping, pre-feasibility, and feasibility studies, detailed design, tendering and procurement, contract management, project and construction management, quality management, contract management as well as commissioning and hand-over:

1.1 Mechanical Engineering

Mechanical services offering include the design and installation supervision of the following:

- Building Services (feasibility, design, procurement, installation supervision, and close-out)
 - Heating, Ventilation and Air-conditioning, Refrigeration, Hot Water Generation (Boilers, Calorifiers etc) and steam reticulation systems, Central Heating Systems, Fire Prevention and Fire Fighting, Industrial Laundry & Kitchen equipment, Medical Gas, Other Mechanical services
- Process Plants and Material Handling (generating requisitions of mechanical packages, sizing equipment, procurement, project management, contract administration and installation supervision), Process equipment, lining of equipment and the like.

1.2 Electrical Engineering

Services offered include:

- Township Establishment Infrastructure
- Bulk Power Designs



- Rural electrification, Power Audits, Building Services reticulation, Data Capturing and and Management, Network Audits, Substation Refurbishment and Upgrade, Power Station Management, technical performance and efficiency of Main and Auxiliary Equipment for Power Stations, Energy Management
- Lighting
 - General Lighting, Township Lighting (Highmasts & Street Lighting), Security Lighting, Specialised Lighting
- Security Systems
 - Access Control, CCTV monitoring Systems, Building Management Systems, Alarms
- Process Plants and Optimisation
 - Conceptual studies, Preliminary and Detailed engineering designs, EPCM solutions,

1.3 Civil and Structural Engineering

- Civil services offering include feasibility studies, master planning, design and construction supervision of the following and more:
 - Township Infrastructural Services, Building Services, Roads & Stormwater Drainage Engineering, Solid Waste Management, Bulk and Link Services, Water and Waste Water Management, Sewerage collection, reticulation & outfall, treatment and disposal, Reservoirs
- Structural services include the design and construction supervision of the following:
 - General Structural Engineering services including Masonry, Steel, Concrete, and Timber
 - Focus on Building Services, Process Plants and general infrastructure

1.4 Alternative Energy Solutions

Energy audits, plant optimisation, installation, and project management in the following are offered:

- Solar systems, Heat pumps, Energy saving Lighting systems, Energy efficient Motors and VSD's, Industrial Compressed air systems, HVAC, Shower heads and water flow regulators, Power Factor Correction, Plant optimization systems, and Metering Systems

1.5 Land and Property Valuations

2. PROJECT AND PROGRAMME MANAGEMENT

Our philosophy regarding managing and executing projects follows an integrated and conclusive approach where the client is at the centre of the project management team.

Before undertaking any project and programme we seek to partner with our clients in identifying the real business problem so that our solutions create value. We offer a full range of solutions during and after the project life cycle and some of these are highlighted below:

Project Initiation

- Scoping and Feasibility studies
- Project assessments and implementation strategies
- Stakeholder analysis and management

Planning and Design development

- Concept design of the proposed solutions
- High level WBS, Cost (+30%-25% accuracy) and Schedule estimates
- Detailed design, WBS, project Budget ($\pm 10\%$ accuracy), and execution Schedule



- Conduct a risk profile of the project (risk register)
- Effect a project change management system

Tender Documentation and Tender Process

- Prepare tender and commercial documents (as per the client's procurement strategy)
- Invite tenderers to tender (opened or closed tender process)
- Arrange tender site briefings
- Evaluate tenders received and recommend preferred tenderer

Project Execution

- Execution supervision
- Contract management and administration
- Quality planning, assurance and control
- Manage Budget and Schedule control
- Evaluate and certify payment certificates
- Manage the risk register
- Chair and manage technical and project progress meetings

Project Closure

- Generation of final account
- Documenting lessons learnt
- Issue close-out report

Value added solutions

- Project Governance, Asset Management, Training and development of staff during and after the implementation of project to equip them with new skills, Resource Assessment and Scheduling, Facilities Management, Valuations

KEY PROFESSIONALS AND ASSOCIATES

Sakhumzi Klassen (*PMP, PrTechEng, PMPMSA, MSAIME*); Charles Mofu (*BSc Elec Eng, Pr Eng, CEM*)

