



# COMPANY PROFILE



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# 1. GENERAL INFORMATION

## 1.1 INTRODUCTION AND OVERVIEW

Intellipro Consulting is a dynamic engineering consulting company specialising in the management and engineering of electrical engineering projects from inception to completion. Intellipro provides total quality, cost effective and timely solutions throughout the life cycle of each project or any phase thereof.

Intellipro Consulting interacts, networks and build business relationships with various consulting companies to include various other engineering disciplines required to successfully complete major electrical projects, which includes the following disciplines:

- Environmental Consulting
- Mechanical Engineering
- Civil Engineering
- Surveying
- Geotechnical Studies
- Control & Instrumentation
- Automation
- Quantity Surveying

## 1.2 PHILOSOPHY

The success of projects mainly depends on the competence of the consultant. As part of the competence of consultants, the consultant should assume four basic roles: expert, manager, researcher and adviser.

- As expert Intellipro Consulting is the provider of skills and knowledge. Clients would expect Intellipro Consulting to be able to speak with appropriate expertise in their specialised area.
- The role of manager requires Intellipro Consulting to have special skills in managing and controlling the assigned project.
- In the role of a researcher, Intellipro Consulting accepts the responsibility for obtaining, analysing and interpreting objective data in a scientific manner.
- In the adviser role, Intellipro Consulting assists clients in learning and obtaining knowledge through formal methods and subsequently assumes responsibility for the clients learning process.

### 1.3 COMPANY VISION

Intellipro Consulting's vision is to be a leader and preferred service provider in the engineering and project environment.

### 1.4 COMPANY MISSION STATEMENT

To provide a quality, effective and efficient consulting and management services to the total satisfaction of our clients in the Industrial, Utility, Private and Public sectors by:

- Understanding our clients and their requirements
- Providing a quality service beyond expectation
- Continuously improving our business performance and processes.
- Consistently obtaining new knowledge in technology and management methodologies.
- Creating a satisfying but challenging work environment to all employees

### 1.5 COMPANY VALUES

The core values that we aspire to and which define our culture are:

- **Integrity** – Uncompromising integrity in the conduct of business and the promotion of trustworthiness, transparency, fairness and respect for others
- **Excellence** – Delivery of service excellence through quality and passion and the ability to add value through innovation and superior performance
- **Commitment** – Continuous commitment to our Clients and their interests
- **Empowerment** – The empowerment of all employees by encouraging participation, creativity and continuous and appropriate personal development

## 2. COMPANY INFORMATION

**Registered Name:** Intellipro Consulting CC  
**Registration Number:** 2007/117885/23  
**VAT Registration Number:** 4380240012  
**COID Registration Number:** 2474-902-0500  
**Professional Indemnity Insurance:** General and Professional Liability Underwriters (Loyds)

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### Members Contact Details:

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**E-mail:** [jj@intellipro.co.za](mailto:jj@intellipro.co.za)

## 3. MEMBER'S INFORMATION

### **Michiel Goosen**

#### **Professional and Academic Qualifications:**

Pr Eng (No 20010263)  
M Eng (Project Management), University of Pretoria  
B Eng (Hons) (Technology Management), University of Pretoria  
B Eng (Electrical/Electronic), University of Stellenbosch

#### **Membership of Professional Societies:**

*ECSA*: Registered as Professional Engineer with the Engineering Council of South Africa  
*SAIEE*: Registered as member of the South African Institute for Electrical Engineers  
*PMSA*: Registered as member with Project Management South Africa

### **Hannes Joubert**

#### **Professional and Academic Qualifications:**

Pr Eng (No 20000214)  
M Eng (Project Management), University of Pretoria  
B Eng (Electrical), University of Pretoria

#### **Membership of Professional Societies:**

*ECSA*: Registered as Professional Engineer at the Engineering Council of South Africa  
*SAIEE*: Registered as member of the South African Institute for Electrical Engineers  
*PMSA*: Registered as member with Project Management South Africa

## 4. SERVICES OFFERED

### Building Services

- Building automation
- Lighting design
- Earthing and lightning protection design
- LV and MV reticulation design
- Electrical installation audits

### Mining & Industry

- HV and MV substation design (indoor and outdoor switchgear)
- LV and MV distribution and reticulation
- Distribution transformers
- Variable speed drives (LV and MV)
- Motor Control Centres
- Overhead line design
- Cable reticulation design
- Motor selection and application (Start, run and harmonic studies)
- Motor starting type selection (VSD, Soft start, Liquid resistance starters)
- Industrial and plant lighting design
- Earthing and lightning protection design
- Electrical audits
- Diesel generator selection and application
- UPS Systems

### Electrification

- Town electrification design
- Electrification strengthening
- Electrification refurbishment
- Audits
- Transformer zone design
- MV line design

### Reticulation (11kV – 33kV)

- MV substation design
- Earthing and lightning protection design
- MV line design
- Audits
- Cable reticulation design

## **Distribution (33kV – 132kV)**

- Distribution substation design up to 132kV
- Sub-transmission line design up to 132kV
- Line and substation audits
- Earthmat design
- Strengthening
- Refurbishment
- Emergency lighting design
- Insulation co-ordination

## **Transmission (88kV – 765kV)**

- Feasibility studies
- Scope definition
- Cost estimation
- Co-ordination of Feasibility studies

## **Other**

- Geotechnical Studies
- Survey
- Platform Designs

## **Project Management**

- Integration Management
  - Project Plan Development
  - Project Plan Execution
  - Integrated Change Control
- Scope Management
  - Project Initiation
  - Scope Planning
  - Scope Definition
  - Scope Verification
  - Scope Change Control
- Time Management
  - Activity Definition
  - Activity Sequencing
  - Activity Duration Estimation
  - Schedule Development
  - Schedule Control
- Cost Management
  - Resource Planning
  - Cost Estimating
  - Cost Budgeting
  - Cost Control



- Quality Management
  - Quality Planning
  - Quality Assurance
  - Quality Control
  
- Resource Management
  - Organisational Planning
  - Staff Acquisition
  - Team Development
  
- Communication Management
  - Communication Planning
  - Information Distribution
  - Performance Reporting
  - Administrative Closure
  
- Risk Management
  - Risk Management Planning
  - Risk Response Planning
  - Risk Monitoring and Control
  
- Procurement Management
  - Procurement Planning
  - Solicitation
  - Contract Administration
  - Contract Closeout

## 5. PROJECT EXPERIENCE

The list of projects provided is not intended to be comprehensive, but rather to emphasize the diversity of work, which the company or the individual members have been involved in.

Project Title	Description	Client	Value
MC Plant De-Bottlenecking Project	Cable and Control System Replacement in the MC Plant at Rustenburg Base Metal Refiners	Anglo Platinum	R 28 m
RBMR Boiler Optimisation Project	Installation of a new 20 ton Boiler and Water Treatment Plant at Rustenburg Base Metal Refiners	Anglo Platinum	R 6.50 m
RBMR Milling section optimisation	New electrical design for optimised plant (Brown Field)	Anglo Platinum	R 2.1 m
RBMR Stack Abatement System	Design and project management of electrical and instrumentation installation for stack abatement system	Anglo Platinum	R 7.2 m
Rustenburg Base Metals Refiners perimeter lighting upgrade	Design and project management of electrical installation for perimeter lighting upgrade	Anglo Platinum	R 0.6 m
Rustenburg Matroosberg Flats refurbishment	Design and project management of electrical installation for fire damaged building.	Anglo Platinum	R 0.5 mil
Losperfontein Prison Farm Housing Upgrade	Design of the Building electrical services, Construction Monitoring.	Department of public works	R 1.6 mil
Rustenburg Heritage Building	Design of the Building electrical services, Construction Monitoring.	Department of Public Works	R 3.2 mil
New Bigtree Substation & 12km 132kV line	Project management New Big Tree substation and 132kV line.	Eskom Distribution	R 29.5 mil
Dikgale S/S	Design and Project management of Dikgale 2x10MVA substation and 14km 33kV line.	Eskom Distribution	R 32.3 m
Disenyane Electrification	Design & Supervision of the Electrification of Disenyane Village	Eskom Distribution	R 1.1 m
Highveld Steel & Vanadium Substation Upgrade	Design and project engineering of HSV substation upgrade and normalisation	Eskom Distribution	R 7.3 m
Khutala Mining 25MVA Firm Supply	Design and project engineering of distribution substation	Eskom Distribution	R 11.5 m
Klipcoal New 2x20MVA Substation	Design and project engineering of Klipcoal substation and 132kV line	Eskom Distribution	R 15.34 m
Koster 22kV Feeder Strengthening	Design, project engineering and project management of 26km 22kV line.	Eskom Distribution	R 5.6 m
Koster Substation – Network Upgrade	Design, project engineering and project management of the substation upgrade.	Eskom Distribution	R 74.2 m

Project Title	Description	Client	Value
Koster Substation – Temporary Upgrade	Design, project engineering and project management of transformer and equipment installation.	Eskom Distribution	R 1.2 m
LV Strenghtening	Various electrification strengthening projects	Eskom Distribution	R 2.4 m
Matelot 11/22kV substation	Turnkey project including design, construction and project management of substation and 22kV line.	Eskom Distribution	R 2.7 m
Merensky Platinum 2002	Design and project engineering of Maroela and Twickenham substations and 132kV line	Eskom Distribution	R 53.3 m
Modderkuil substation	Project management of substation and 88kV line.	Eskom Distribution	R 17.9 m
Uitkoms Substation refurbishment	Design, project engineering and project management of the substation upgrade.	Eskom Distribution	R 23.2 m
Vaalkop Pumps Supply Upgrade	Design and project engineering of upgrade of two substations and new 88kV line	Eskom Distribution	R 9.4 m
Vera and Gemsbok feeder split	Design, project engineering and project management of the new substation and 11kV feeders.	Eskom Distribution	R 18 m
40 year + transformer replacement project	Project management of the scope definition phase and cost estimation.	Eskom Transmission	R 600 m
Lepini Substation Upgrade	Project management of the scope definition phase and cost estimation.	Eskom Transmission	R 167 m
Kimberly Strengthening	Project management of the scope definition phase and cost estimation.	Eskom Transmission	R 1 455 m
Vryburg 400/132kV Substation	Project management of the scope definition phase and cost estimation.	Eskom Transmission	R 400 m
Ferrum/Olien Capacitor Bank	Project management of the scope definition phase and cost estimation.	Eskom Transmission	R 34 m
Tshwane Metropolitan Network Upgrade	Project management of the scope definition phase and cost estimation.	Eskom Transmission	R 2,006 m
Transnet Coal Link Upgrade	Project management of the scope definition phase and cost estimation.	Eskom Transmission	R 630 m
Joy Mining Machinery Wadeville Electrical Audit	Audit of electrical infrastructure	Joy mining machinery	R 0.2 m
Lubango Brewery, Angola	Design and project engineering for brewery capacity increase	SAB Miller	R 6.4 m
Holcim Tanga Cement Coal Mill Structure (Tanzania)	Electrical design of new Coal Mill structure for Simba Cement in Tanga Tanzania.	Holcim	R 6.3 m

<b>Project Title</b>	<b>Description</b>	<b>Client</b>	<b>Value</b>
Moatize Coal Mine	Design of 40km 66kV Overhead Line and 220/66kV substation extension.	ABB	R 85 m
Sishen South	Design and Contract Management of 11kV Overhead and Cable Reticulation.	Kumba/BVI	R 70 m
Transalloys Substation Upgrade	Design, project engineering and project management of the substation upgrade.	Eskom Distribution	R 23.2 m