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Consolidated Power Engineering cc

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CPE - Electrical Consulting Engineers

COMPANY PROSPECTUS

We are honored to present this Company Prospectus of CPE Consulting Engineers as requested by yourself. On any project on which we can be of assistance to your Company, for planning and/or construction, we wish to assure you of only our best service and attention at all times.

1.0 BRIEF BACKGROUND

SAAR FERREIRA Consulting Engineers cc was founded during 1987 by Greg Saar and Maans Ferreira, and was based in Kempton Park since founding.

During January 2000 the Company was separated into 2 individual offices, Saar Ferreira Consulting Engineers cc in Pretoria managed by Greg Saar, and Kempton Park offices practicing under Consolidated Power Engineering cc managed by Maans Ferreira, t/a CPE Consulting Engineers.

Our main objective is to provide a professional and client orientated service on all projects regardless the size of the project.

In order to ensure best possible quality of design, speed and accuracy of work, the Company utilizes advanced computer assisted design programs for amongst others, the following functions: -

- sketch plan cost and load estimates.
- reticulation and protection design.
- draughting of diagrams and construction drawings.
- lighting levels and uniformity design.
- energy management.
- contract administration.
- data based statistics on completed projects.



2.0 MEMBERS, CONSULTANTS AND QUALIFICATIONS

ELECTRICAL ENGINEERS:

Electrical Consulting Engineers:

H.J. FERREIRA: Pr. Tech. (Eng) SACE, CEA, (Principal – Cons. Eng) (Member)
M.E. FERREIRA: CEA, (Principal – Property Division) (Member)
G.M. SAAR: Pr. Eng. M.Sc. (E.Eng) (Consultant)

H.J. Ferreira: - Pr. Tech. Eng., ECSA, MSAARET, SAIEE. **(Member)**
 G.M. SAAR: - Pr. Eng. MSc, ECSA. **(Consultant)**

SUPPORT STAFF:-

- 3 x Electrical Engineers
- 2 x Electrical Technicians
- 1 x Technical Assistant and installation inspector
- 3 x Computer Operators including CAD draughting
- 1 x Admin and Office Manager
- 1 x Accounting person

During the Engineering careers of the engineers, accumulating to a vast experience, they were directly involved and responsible for various industrial, commercial and utility projects, including office blocks, shopping centers, hotels, factories, site reticulation, housing schemes, banks, schools and hospitals, and have extensive experience with definite previous involvement in each aspect mentioned in the following paragraph depicting work undertaken.

3.0 SCOPE OF WORK UNDERTAKEN

The firm undertakes the early planning, design, preparation of specifications and tender documents, as well as contract administration and co-ordination for Electrical Engineering.

3.1 ELECTRICAL WORK:-

- Electrical HT/MV/LT distribution systems
- Electric lighting and power installations in buildings and factories
- Electrical MV substations and switching stations
- Fire detection, alarm and security systems
- Generating plant installations
- HT/MV overhead transmission lines
- Lightning protection installations
- Public address and staff call systems
- Street/terrain lighting
- Telephone distribution and equipment

4.0 PROJECTS

Consolidated Power Engineering registers approx. **120 to 160 Consulting projects per year**, including feasibility studies, estimates on risk, planning for tender and design for construction. Only some completed and / or current projects are listed below, per type of project for information. A full comprehensive list of projects **(1400 projects since 2000 to date)** can however be provided on request.

Note that this Company also provides electrical designs to various Contractors tendering for specific projects on which no design were provided by the Developer.

4.1 Following is a list of recent projects completed, or in progress, handled by

Consolidated Power Engineering cc:

TOWNSHIP RETICULATION

LOW COST TOWNSHIP RETICULATION

- Tembisa Various extensions	R 5m
- Atteridgeville	R1,8m
- Mamelodi	R1,7m
- Various other townships totaling +- 30 000 stands.	R 85m
- Geduld	R 72m

ECONOMICAL TOWNSHIPS

- Birch Acres x23 -x45 HT/LT reticulation	R 26m
- Rabie Ridge HT/LT township supply	R 7,0m
- Lenasia supply to Lenasia East	R 2,0m
- Thabazimbi Ext. 15	R 30m
- Various other economical townships total of ± 50 000 stands.	R250m

UPMARKET TOWNSHIPS

- Amazonas - Sandton	R 15m
- Sunset Towers - Sandton	R 10m
- Kilcullen Estates Sandton 180 units	R 0,45m
- Palm Springs (Mondeor) 220 units	R 0,55m
- Maldives (Mondeor) 180 units	R 0,45m
- Stratford Estates	R 1,2m
- Greenstone Hill – Modderfontein	R 21m
- Sable Hills – Country Estate Roodeplaat Dam	R 11m
- Greenstone Hill	R 60m
- Golden Acres Country Estate	R 22m
- Glen Erasmia and extensions	R 40m
- Melodi – Hartebeespoortdam	R 1,5m
- Uitvlucht Residential / Commercial Estate	R 185m
- Serengeti Golf & Wildlife Estate	R 120m
- Witfontein Industrial Township	R 21m
- Kaalfontein Industrial Township	R 14m
- Enugu Golf Estate – Nigeria	R 160m
- Cidados dos Anjos – Angola	R 240m

- Various other developments in Benoni, Kempton Park, Springs, Boksburg, Germiston, Bedfordview, Edenvale, Johannesburg, Alberton, Roodepoort, Sandton, Pretoria, Eastern Transvaal, Northern Cape and Western Cape - total approx. 30 000 stands and / or sectional title living units.

SHOPPING CENTRES / OFFICE BLOCKS

- | | |
|---|--------|
| - Detroit Plaza - Kempton Park | R 0,7m |
| - Uprising Centre | R 0,6m |
| - Sanlam Complex - Kempton Park | R 0,4m |
| - Eike - Kempton Park | R 0,4m |
| - Rustenburg | R 0,6m |
| - Birch Acres (Mooifontein) Shops and Offices | R 2,4m |
| - Da Lucia Colonnade Complex - Kempton Park | R 0,6m |
| - Erickson Diamond Centre - Kempton Park | R 0,2m |
| - Boksburg Small Traders Market | R 1,2m |
| - Melville Boulevard | R 1.5m |
| - Ferndale Shopping Centre | R 6m |
| - Central Park Morningside (Highrise) | R250m |
| (Offices, trading, residential apartments, hotel & gym) | |
| - Tembisa Shopping Mall | R 28m |
| - Lakefield Office Park | R 1m |
| - Various other projects completed | |

HOTELS:

- Midrand - FIRST INN Hotel
- Nelspruit - PREMIER LODGE Hotel
- Bloemfontein Loch Logan - BEST WESTERN Hotel
- Pretoria - VILLA VIA Hotel
- Mabula Lodge
- Schoemanskloof Resort
- Randburg Waterfront Hotel
- The Nicol – Bedfordview
- 20 West Road South
- Green Park (Mixed use)

OTHER TYPES OF PROJECTS COMPLETED:

- 44 / 11kV Substations in Henville - Germiston
- Prisons and Police stations
- Army bases
- Factories and motor towns
- Warehouses and light industrial complexes
- Hospitals and Clinics
- Old Age Homes and retirement Villages
- Petrol Stations
- Schools and Colleges

5.0 PANELS OF APPROVED ELECTRICAL CONSULTANTS

Currently the Firm appears on the following Departments/ Company's lists of approved Electrical Consultants; and/or design accepted for handover by Councils:-

- 5th AVENUE PROPERTIES
- ABERDARE
- ACCULADE
- ACUCON
- ADAMSON NIELSEN CONSTRUCTION
- AFRICAN KINGDOM HOLDINGS
- ARCHLAKE DEVELOPMENTS
- BALWIN
- BIZ AFRICA
- CHINA AIRPORT CONSTRUCTION GROUP
- CITY POWER
- COBO (PTY) LTD
- COEC (China National Corp – overseas Development)
- CRYSTAL GATE PROPERTIES
- DEPARTMENT OF PUBLIC WORKS
- DEPARTMENT OF EDUCATION
- EKURHULENI METRO MUNICIPALITY
- EMFULENI METRO MUNICIPALITY
- ESKOM
- GLEN BALAD PROPERTIES
- GROUNDBASE DEVELOPMENTS
- HEARTLAND PROPERTIES (AECI)
- HOTON Construction and Developments (Pty) Ltd / SVA Developments

- INFRAMAX
- JT GROUP OF COMPANIES
- KAVALEROS GROUP
- LUSHAKA INVESTMENTS
- LAPALAKA DEVELOPMENTS
- MONT BLANC PROPERTIES
- MURRAY & ROBERTS
- NEWCHO HOUSING
- NOKENG COUNCIL
- PANAFCO HOLDINGS
- PALACON
- POWER CONSTRUCTION
- PRIVATE ESTATES INTERNATIONAL
- PROPERTY HUNT
- PROBUILD
- ROLIN INTERNATIONAL
- RUSKING
- RICHPROP DEVELOPMENTS
- SISHEN – KUMBA RESOURCES
- SHERLOCK HOMES
- SHAIK PROPERTY HOLDINGS
- SA BLOCK CONSTRUCTION
- SABLE HOLDINGS
- SABLE HILLS WATERFRONT ESTATE
- SPORTSADE
- TRANSACHT
- TSHWANE METRO MUNICIPALITY
- UNIVERSAL PULSE
- VALUE LOGISTICS
- VAN RENSBURG, SCHOON & CRONJE
- WIETPRO
- ZENPROP
- VARIOUS CITY COUNCILS
- VARIOUS ELECTRICAL CONTRACTORS
- VARIOUS OTHER PRIVATE DEVELOPERS

6.0 PROFESSIONAL INDEMNITY INSURANCE

Professional indemnity insurance for the Company is provided by Glenvaal Insurance Brokers Pretoria.

7.0 PROFESSIONAL FEES

The Company is bound to prescribed fees as published in the Government Gazette and by the Association of Consulting Engineers.

The fees and extent of services rendered can however be structured to suit the project/client's needs, and cash flow.

8.0 CODE OF PRACTICE

The code of ethics for professional services as enforced by ECSA is adhered to by this Company at all times.

If any additional information is needed, please contact us without delay and we would gladly assist.