Element Consulting Engineers

Element Consulting Engineers is a well-established consulting engineering company with its head office in Durbanville, Western Cape, with 12 additional branches located nationwide. We have more than 20 years’ experience in Southern Africa in the fields of Civil Engineering, Contract Administration & Supervision, Electrical Engineering, Mechanical Engineering, Roads & Transport Engineering, Structural Engineering and Water & Sanitation Engineering. We also offer expertise in the areas of Agricultural and Dam engineering, Project Management, Facilitation, Property and Tourism Development as well as Asset Survey & Management.

Element Consulting Engineers (Pty) Ltd’s Mission is to become a leading supplier of quality engineering solutions, to the benefit of our Clients, the Community, our own Staff and Shareholders, with due consideration for the impact that our actions may have on the Environment. We believe that the success of any project lies in the team behind the work. Our staffing compliment combines experience, expertise and a passion for engineering introducing a fifth and uncompromising element into our services. It is this spirit which provides the driving forces behind our growing success.

Company Overview

- 51.04% Historically Disadvantaged Individual (HDI) Shareholding
- 17.38% Black Women Equity Shares
- Staff Complement of more than 160 people
- 100% BBBEE Procurement Recognition Level; Status: Level 4 Contributor
- Registered with Consulting Engineers South Africa (CESA)
- Member of Green Building Council of South Africa
- Professional Indemnity Insurance Cover
- Quality Management System ISO 9001: 2008 Certified
- Engineering Bursary Scheme and Student Loans
- Black Employees Trust
- Joint-Ventures and Technical Exchange with Black Consulting Firms
- Corporate Social Responsibility
- Involved with Disadvantaged Communities

The firm strives to achieve excellence in all the services which it provides and to provide meticulous attention to detail whether the project is large or small.

It is an independent company with no obligations to, or ties with any commercial concern, which could influence its professional judgement, recommendations or decisions.

Our company offers equal opportunity in terms of qualifications for the appointment of staff with the most suitable qualification as selection criterion.
Corporate Objectives

Clients
To provide a professional service of the highest standard that meets the client’s requirements with regard to costs, duration and management.

Community
To undertake projects in cooperation with communities in order to meet the needs and aspirations, to provide employment opportunities which contribute towards the overall benefit of the country.

Environment
To design and manage the implementation of projects in such a manner as to minimise any pollution, harm to the environment, or ecological disturbance; furthermore, to strictly adhere to the regulations of relevant authorities.

Staff
To maintain a well-qualified and efficient staff complement through the provision of good remuneration packages, pleasant working conditions, recognition, excellent resources, efficient leadership and a friendly working environment.

Long Term Objective
To continually meet the objectives listed above and to maintain growth, but yet to remain small enough to still manage, at management level, each project in all its phases: report, design, documentation, project management and administration.

In essence therefore, we strive to ensure that at the completion of a project, all parties involved will be satisfied with the service and the end product, which was produced on time and within budget.
**Scope of Multi-Disciplinary Services Offered**

**Project Management**
- Project Management
- Contract Management
- Systems Engineering
- Quality Management
- Project Life Cycle Management
- Project Risk Management

**Water & Sanitation Engineering**
- Bulk Water Supply
- Bulk Sewage Systems
- Stormwater Systems
- Pipelines
- Treatment Works
- Stormwater Floodlines
- Hydraulic Structures
- Master Plan Investigations
- Agriculture/Irrigation

**Facilitation & New Business Dev.**
- Project Investigations
- Project Planning:
  - Critical Path Analyses
  - Programming Of Activities
- Organization and Co-ordination
- Community Liaison
- Financial Control:
  - Cost Estimates
  - Cost Projections And Reports
  - Subsidy Applications
  - Cost Control

**Electrical & Electronic Engineering**
- LV, MV and HV Services
- Standby Power Systems
- Lighting
- Lightning and Surge Protection
- Access & Time Control Systems
- CCTV Surveillance Systems
- Fire Detection & Extinguishing Systems
- Communication Systems
- Internet Services Distribution
- Measurement & Distribution

**Mechanical Engineering**
- Building Services:
  - HVAC
  - Fire Protection
  - Hot and Cold Water Reticulation
  - Lift Specifications
  - Project Engineering
  - Plant Engineering:
    - Plant Layout
    - Product Conveyance
    - Equipment Design

**Civil Infrastructure Engineering**
- Residential Developments
- Industrial Developments
- Bulk Water Supply
- Bulk Sewer Reticulation
- Sport Complexes and Facilities
- Labour Intensive Projects
- Low Cost Housing
- Roads/Bridges
- Reservoirs

**Contract Management & Administration**
- Cost Estimates
- Bill Of Quantities
- Tender And Contract Documents
- Contract Award And Administration
- Construction Monitoring And Supervision
- Dispute Resolution, Claims Evaluations And Construction Adjudication
- As Built Records And Drawings

**Structural Engineering**
- Civil Structures
- Buildings:
  - Commercial Developments
  - Industrial Developments
  - Residential Units
  - Bridges
  - Water Retaining Structures
  - Treatment Plants
  - Project Specifications

**Roads & Transport Engineering**
- Material Investigations
- Visual Surveys
- Geometric Design
- Pavement Design
- Urban Transport
- Transport Networks
- Road Pavements

**Mechanical Engineering**
- Dam Services
  - Embankment Dams
  - Concrete Dams
  - Tailings Dams
  - Pollution control dams
  - Off-channel storage dams
  - Retention & Attenuation dams
  - Dam Safety Services
  - Dam Safety Evaluations
  - Dam Operations Manuals
  - Emergency Preparedness Plans & Dam break analysis
Established Offices

<table>
<thead>
<tr>
<th>Western Region</th>
<th>Eastern Region</th>
<th>Northern Region</th>
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<tbody>
<tr>
<td>Durbanville (Head Office)</td>
<td>East London Office</td>
<td>Johannesburg</td>
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<tr>
<td>George</td>
<td>Durban</td>
<td>Mbombela (Nelspruit)</td>
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<td>Vredenburg</td>
<td>Bloemfontein*</td>
<td>Polokwane</td>
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<td>Montagu*</td>
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<td>Pochefstroom*</td>
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<td>Mossel Bay*</td>
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International Offices: Maputo, Mozambique, Windhoek, Namibia, Malawi*

*Representation Only

International Project Locations

- Angola
- Brazil
- Ghana
- Malawi
- Mozambique
- Namibia
- Togo
- Zambia
Extract of Recent Projects

- **Bella Rosa Commercial and Residential Development, Bellville:** Civil & Electrical Engineering Services
- **A Portion of the N10 between Prieska and Marydale:** Roads & Transport Engineering Services
- **The Cliffs Residential Development, Bellville:** Electrical and Mechanical Engineering Services
- **Kransbrug Siphon, Klawer:** Water & Sanitation, Civil and Structural Engineering Services
- **Kelderhof Country Estate, Strand:** Civil, Electrical and Structural Engineering Services
- **New Conference Centre to existing Protea Hotel, Stellenbosch:** Structural Engineering Services
- **Karitas Special School, Vredenburg:** Civil, Electrical and Mechanical Engineering Services
- **Novo Fruit Packaging Warehouse, Paarl:** Civil, Electrical, Mechanical and Structural Services
- **Stilbaai Sewer Pump Station, Stilbaai:** Water & Sanitation, Civil Structural and Mechanical Engineering Services
- **Construction of Border Dam:** Gravel Embankment Dam: Dam Engineering Services
- **The Construction of Maddervlei Dams for Department of Land Affairs:** Dam Engineering Services
- **Khi Solar One 50 MW Tower with energy storage system**
Extract of Recent Projects Continued

- Zonkwasdrift River Crossing (Phase 2): **Water & Sanitation Engineering Services**
- Kronendal Retirement Village, Hout Bay: **Electrical and Mechanical Engineering Services**
- Somerbosch Stud Farm, Stellenbosch: **Civil, Electrical, Mechanical and Structural Engineering Services**
- Replacement of Generators for Transformers at Steenbras Power Station: **Electrical Engineering Services**
- The Construction of De Villiers Road between Verdi Street and Brackenfell Boulevard: **Roads & Transport Engineering Services**
- Construction of 8Ml Bulk Water Reservoir, Vredenburg: **Water & Sanitation, Civil and Structural Engineering Services**
- Construction of Bottelary Road Bridge over R300, Kuils River: **Structural Engineering Services**
- Construction of Reservoir, Montagu: **Structural Engineering Services**
- 20MVA Substation: **Electrical and Civil Engineering Services**
- Revitalization of Paarl Hospital, Phase 2, Paarl: **Structural Engineering Services**
- Langebaan Waste Water Treatment Works, Langebaan: **Water & Sanitation Engineering Services**
- Cape Diamond Hotel, Cape Town: **Electrical and Electronic Engineering Services**
- New Seshego Mall Development, Water, Sewer, Roads and Stormwater township development
- Aloes Township Development: **Water, Sewer, Roads and Stormwater township services**
- Compilation of Operation and Maintenance Manuals and Emergency Preparedness Plans for Category II and III DWS Dams throughout South Africa
Redevelopment Strategy for Calitzdorp Spa, Calitzdorp: Tourism Engineering Services

Special Maintenance Of National Route 2 Between George And Knysna: Roads

Repairs to Flood Damage, Swellendam: Water & Sanitation and Civil Engineering Services

Foreshore Switching Substation, Cape Town: Electrical, Mechanical and Structural Engineering Services

Besaansklip Reservoir Phase 2, Vredenburg: Water & Sanitation Engineering Services

Brackenfell Boulevard Bridge, Brackenfell: Structural Engineering Services

Langebaan Country Estate Development, Langebaan: Civil, Structural and Electrical Engineering Services

Nieuwoudtvil Rooibos Tea Processing Plant: Civil, Electrical, Mechanical and Structural Engineering Services

Gonubie Palms Residential Development, East London

Cavalli Stud Farm New Stables and Arena, Stellenbosch: Structural Eng Serv.

Plattekloof Bridge, Parow: Structural Engineering Services

Undercover Training Area, Markotter Field Stellenbosch: Structural Engineering Services
# Contact Us

**DURBANVILLE**

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**SOUTHERN AFRICA**

## Western Cape

<table>
<thead>
<tr>
<th>VREDENBURG</th>
<th>MONTAGU*</th>
<th>EAST LONDON</th>
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<tbody>
<tr>
<td>19B Main Street Vredenburg 7380; PO Box 922 Vredenburg 7380</td>
<td>4E Church Street Montagu 6720; PO Box 623 Montagu 6720</td>
<td>52 Stewart Drive Baysville East London 5205; PO Box 19429 Tecoma 5241</td>
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<td>Tel: +27 22 713 5204 Fax: +27 22 713 4251</td>
<td>Tel: +27 23 614 2248 Fax: +27 23 614 2248</td>
<td>Tel: +27 43 726 0074 Fax: +27 43 726 0600</td>
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## Eastern Cape

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<tr>
<th>GEORGE</th>
<th>MOSSEL BAY*</th>
<th>UPINGTON</th>
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<tbody>
<tr>
<td>82 Victoria Street George 6530; PO Box 9962 George 6530</td>
<td>37 Van Rensburg Street Mossel Bay 6506; PO Box 1162 Hartenbos 6520</td>
<td>15 Wildebees Street Rand Upington 8800; PO Box 1201 Upington 8800</td>
</tr>
<tr>
<td>Tel: +27 44 884 1138 Fax: +27 44 884 1185</td>
<td>Tel: +27 44 620 3817 Fax: +27 44 620 3817</td>
<td>Tel: +27 54 331 1961 Fax: +27 54 331 1962</td>
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<td>Tel: +27 44 620 3817 Fax: +27 44 620 3817</td>
<td>Tel: +27 54 331 1961 Fax: +27 54 331 1962</td>
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## South Africa

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<tr>
<th>JOHANNESBURG</th>
<th>MBOMBELA / NELSPRUIT</th>
<th>WESTVILLE</th>
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<tbody>
<tr>
<td>Ground Floor, Building 3, Oak Place, 145 Western Service Road, Woodmead, Johannesburg, 2191</td>
<td>Nelspruit Office, de Blok Office Park, Office O2, c/o Ferreira and Wilhelm Street, Nelspruit, 1200</td>
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<td>Tel: +27 31 266 9699 Fax: +27 31 267 0408</td>
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## International

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<tr>
<th>NAMIBIA</th>
<th>MOZAMBIQUE</th>
<th>MALAWI*</th>
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<tbody>
<tr>
<td>6 Otto Nitzsche Street, Klein Windhoek, PO Box 11598, Klein Windhoek Namibia</td>
<td>Av. 25 de Setembro, 2400, R/C, Maputo, Mozambique Email: <a href="mailto:info@ecengmoz.co.mz">info@ecengmoz.co.mz</a></td>
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<td>Tel: +26 8 84 306 1206</td>
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