

CORPORATE PROFILE

2023



A FIFTH DIMENSION TO ENGINEERING

ELEMENT
Consulting Engineers

ISO 9001:2015 CERTIFIED

LEVEL 2 BBB-EE CONTRIBUTOR

125% PROCUREMENT RECOGNITION



- ENERGY
- INFRASTRUCTURE
- TRANSPORT

Introduction

ECE is a well-established consulting engineering company with its corporate and Western Cape Branch based in Durbanville, with 4 additional branches located nationwide and established presence in 3 towns. We have 33 years' experience in Southern Africa

ECE is a multi-disciplinary consulting engineering firm offering Design, Project Management and Contract Administration in the following fields: Civil Infrastructure, Renewable Energy, Electrical Infrastructure, Electrical & Mechanical Building Services, Roads and Transport, Building and Water Retaining Structures, Water, Sanitation and Dams.

ECE'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 strongly 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

- Overall, **55.77% Black Shareholding**
- Staff complement of **70 people** (contract and permanent)
- 125% BBBEE Procurement Recognition Level; Status: **Level 2** Contributor
- Registered with Consulting Engineers South Africa (CESA)
- Corporate Member: WISA, SARF
- Professional Indemnity Insurance Cover, R40m
- Quality Management System ISO 9001: 2015 Certified
- Active Engineering Bursary Scheme and Student Loans
- **Black Employees Trust:** Employee Share Ownership Programme
- Active Joint-Ventures and Technical Exchange with Black Consulting Firms
- Ongoing Corporate Social Responsibility
- Active involvement 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 - Mission

Clients

To provide a professional service of the highest standard that meets the client's requirements regarding costs, duration, and management.

Community

To undertake projects in cooperation with communities 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.

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Long Term Objective - Vision

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


Therefore, we strive to ensure that at the completion of a project, all parties involved will be satisfied with the service and the product, which was produced on time and within budget.




Shareholding & Directors' Structure-January 2023

SHAREHOLDERS	PERCENTAGES SHARES	NO OF SHARES	HDI	NON HDI SHARES	NON HDI % SHARES	MALE HDI SHARE	MALE HDI % SHARES	FEMALE HDI SHARES	FEMALE HDI % SHARES
M.H.A HASSIM FAMILY TRUST - IT1992/2005 (PMB)	1.84%	1 500	YES			1 000	1.22%	500	0.62%
SAUNDERS LEON - 6408245097083	1.22%	1 000	NO	1 000	1.22%				
RYKE FRANCOIS DE VILLIERS - 6611015032087	13.54%	11 065	NO	11 065	13.54%				
ROSSOUW PIETER ARNOLD - 6112035014080	13.54%	11 065	NO	11 065	13.54%				
TURNER JAMES ALEXANDER - 6006225047084	4.92%	4 019	NO	4 019	4.92%				
THERON JACOBUS HUGO - 7410035067085	1.22%	1 000	NO	1 000	1.22%				
VAN SCHALKWYK JOHAN - 6612045090087	1.22%	1 000	NO	1 000	1.22%				
VAN DER TOORN WOUTER ETIENNE - 7412065206088	1.22%	1 000	NO	1 000	1.22%				
WALTERS ELROY TREVOR - 8006155067084	1.22%	1 000	YES			1 000	1.22%		
VIVIER BRENT - 7208155053087	1.22%	1 000	NO	1 000	1.22%				
WINTERBERG INVESTMENTS (PTY) LTD - 2007/035043/07	9.18%	7 500	YES					7 500	9.18%
ZIETSMAN BAREND GABRIEL - 5903075095083	4.91%	4 017	NO	4 017	4.91%				
INXS TRUST - IT1461/01	9.18%	7 500	YES			5 625	6.88%	1 875	2.30%
FIKILE SARAH TRUST - IT106/2001	13.54%	11 065	YES			7 377	9.03%	3 688	4.51%
DEURDINK TRUST - IT2486/06	1.22%	1 000	NO	1 000	1.22%				
BLACK EMPLOYEE TRUST - IT4695/2006	20.81%	17 000	YES			17 000	20.81%		
Total:	100%	81 731		36 166	44.23%	32 002	39.16%	13 563	16.61%

Scope of Multi-Disciplinary Services Offered

CIVIL INFRASTRUCTURE ENGINEERING	WATER & SANITATION ENGINEERING	DAM ENGINEERING SERVICES
<ul style="list-style-type: none"> CIVIL ENGINEERING FIELDS MUNICIPAL SERVICES BULK INFRASTRUCTURE <ul style="list-style-type: none"> Roads BULK WATER <ul style="list-style-type: none"> Bulk water supply Bulk sewer Reservoirs <p>Water & Wastewater Treatment Bulk service investigations</p> <ul style="list-style-type: none"> COMMERCIAL DEVELOPMENTS INDUSTRIAL DEVELOPMENTS RESIDENTIAL DEVELOPMENTS <ul style="list-style-type: none"> High Income Low-cost housing GAP housing COUNTRY ESTATES & GOLF COURSES TRANSPORT NETWORKS RAILWAY LINES & SIDINGS SPORT COMPLEXES AND FACILITIES AIRPORTS <ul style="list-style-type: none"> Runway Pavements LABOUR INTENSIVE PROJECTS 	<ul style="list-style-type: none"> BULK WATER SUPPLY <ul style="list-style-type: none"> Bulk Sewage Systems Stormwater Systems Pipelines/Conduits Treatment Works Stormwater Flood lines Hydraulic Structures Master Plan Investigation Agriculture/Irrigation FUNDING APPLICATIONS ASSET MANAGEMENT INSTITUTIONAL & REGULATORY PUMP STATIONS BOREHOLES RESERVOIRS RETICULATION IRRIGATION DESALINATION PLANS DAMS LEGISLATIVE WATER SITE INVESTIGATION AND REPORTING 	<ul style="list-style-type: none"> DAM SERVICES INCLUDES EMBANKMENT DAMS, CONCRETE DAMS, TAILING DAMS, POLLUTION CONTROL DAMS, OFF-CHANNEL STORAGE DAMS AND RETENTION & ATTENUATION DAMS DAM SAFETY SERVICES INCLUDES DAM SAFETY EVALUATIONS, DAM OPERATIONS MANUALS, EMERGENCY PREPAREDNESS PLANS AND DAM BREAK ANALYSIS AND FLOOD HYDROLOGY ANALYSIS 
ROADS & TRANSPORT ENGINEERING	RENEWABLE ENERGY	BUILDING SERVICES
<ul style="list-style-type: none"> MATERIAL INVESTIGATIONS VISUAL SURVEYS GEOMETRIC DESIGN PAVEMENT DESIGN URBAN TRANSPORT TRANSPORT NETWORKS ROAD PAVEMENTS NATIONAL, PROVINCIAL, METROPOLITAN STREETS ACCESS NEW CONSTRUCTION REHABILITATION, UPGRADING, IMPROVEMENTS MAINTENANCE, RESEAL ASPHALT, GRAVEL, CONCRETE, SEAL TRAFFIC IMPACT ASSESSMENTS TRAFFIC IMPACT STATEMENTS TRAFFIC ACCOMMODATION TRAFFIC SIGNS PARKING STUDY ROAD SAFETY AUDIT NON-MOTORISED TRANSPORT ASSET MANAGEMENT 	<ul style="list-style-type: none"> FREE FIELD SOLAR PV SYSTEMS ROOFTOP SOLAR PV SYSTEMS WIND FARMS SERVICES: <ul style="list-style-type: none"> Design of electrical infrastructure (MV & LV) Design of substations Overhead line design Specification of equipment Grid compliance studies Lightning risk assessment Earth grid design Mechanical and civil design Feasibility studies Technical advisor Construction supervision Commissioning assistance Performance testing Small Scale Renewable Energy Application Sign-off Assistance to developers for bids into the Round 2 Small Scale REIPP Program. 	<ul style="list-style-type: none"> ELECTRICAL SERVICES <ul style="list-style-type: none"> Medium and low voltage distribution Axillary Services Wireway Distribution Standby and Emergency Power Systems Lighting and Small Power Lightning Protection Energy Efficiency Audits Maintenance Audits ELECTRONIC SERVICES <ul style="list-style-type: none"> Access & Time Control Systems Parking Management Services CCTV Surveillance Systems Security Systems and Integration Fire Detection & Automated Extinguishing Systems Communication network systems SAT-TV Terrestrial TV Signal Distribution Internet Services Distribution Public Address and Audit Evacuation Systems Lighting Control Systems Building Management Systems Home Automation Systems Telemetry and SCADA Systems MECHANICAL SERVICES <ul style="list-style-type: none"> Heating ventilation and air-conditioning Refrigeration Extraction Systems Wet Services Vertical Transportation Plant Engineering Pipe Gasses SANS XA Energy Analysis & Modelling Maintenance Audits FIRE ENGINEERING SERVICES GREEN BUILDING CERTIFICATION ENGINEERING SERVICES

CONTRACT MANAGEMENT & ADMIN.	STRUCTURAL ENGINEERING	PROJECT MANAGEMENT
<ul style="list-style-type: none"> • COST ESTIMATES • PAYMENT MEASUREMENT, CERTIFICATION AND FINAL CONTROL • BILL OF QUANTITIES • TENDER AND CONTRACT DOCUMENTS • CONTRACT AWARD AND ADMINISTRATION • TENDER EVALUATION, REPORTING AND RECOMMENDATION • CONSTRUCTION MONITORING AND SUPERVISION • DISPUTE RESOLUTION, CLAIMS EVALUATIONS AND CONSTRUCTION ADJUDICATION • AS BUILT RECORDS AND DRAWINGS 	<ul style="list-style-type: none"> • CIVIL ENGINEERING STRUCTURES • BUILDINGS INCLUDES COMMERCIAL DEVELOPMENTS, INDUSTRIAL DEVELOPMENTS AND RESIDENTIAL UNITS • BRIDGES • WATER RETAINING STRUCTURES • TREATMENT PLANTS • PROJECT SPECIFICATIONS 	<ul style="list-style-type: none"> • PROJECT MANAGEMENT • CONTRACT MANAGEMENT • SYSTEMS ENGINEERING • QUALITY MANAGEMENT • PROJECT LIFE CYCLE MANAGEMENT • PROJECT RISK MANAGEMENT • Project programming and critical path
FACILITATION & NEW BUSINESS DEVELOPMENT	GEOGRAPHICAL REPRESENTATION	ESTABLISHED OFFICES
<ul style="list-style-type: none"> • PROJECT INVESTIGATION • PROJECT PLANNING (INCL. CRITICAL PATH ANALYSES, PROGRAMMING OF ACTIVITIES, ORGANISATION AND CO-ORDINATION AND COMMUNITY LIAISON) FINANCIAL CONTROL (INCL. COST ESTIMATES, COST PROJECTIONS AND REPORTS, SUBSIDY APPLICATIONS AND COST CONTROL) 	<ul style="list-style-type: none"> *BLOEMFONTEIN *MONTAGU *RUSTENBURG *ASHBURTON 	<ol style="list-style-type: none"> 1. CENTURION 2. DURBANVILLE 3. EAST LONDON 4. GEORGE 5. MBOMBELA

Project Portfolio

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**



Stil Bay Sewer Pump Station: **Water & Sanitation, Civil Structural and Mechanical Engineering Services**



Construction of Border Dam: Gravel Embankment Dam: **Dam Engineering Services**

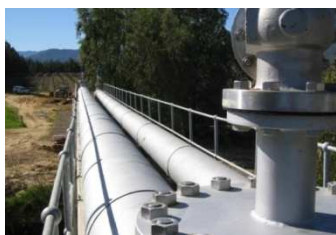


The Construction of Moddervlei Dams for Department of Land Affairs: **Dam Engineering Services**



Khi Solar One 50 MW Tower with energy storage system, Upington: **Electrical Engineering Services**

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, Substation: **Electrical and Civil Engineering
Services**



Revitalization of Paarl Hospital,
Phase 2, Paarl: **Structural
Engineering Services**



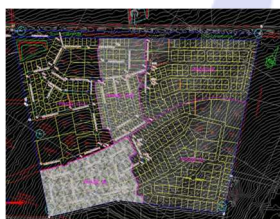
Langebaan Wastewater
Treatment Works, Langebaan:
**Water & Sanitation Engineering
Services**



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

Extract of Recent Projects Continued



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



Besaansklop 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**



Nieuwoudtville 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.**

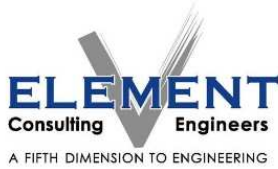


Plattekloof Bridge, Parow: **Structural Engineering Services**



Undercover Training Area, Markotter Field Stellenbosch: **Structural Engineering Services**

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Gauteng

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Mpumalanga

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Free State

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Northwest

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