

INTEGRATED INFRASTRUCTURE
& ASSET LIFECYCLE ENGINEERING



ROBUST
ENGINEERS



COMPANY PROFILE | 2026

OUR VALUES

Striving for excellence.

To develop sustainable infrastructure solutions that maximise value through cost-effective design, lifecycle maintenance planning, and engineering excellence.

OUR VISION

A reputation based on our high quality of service.

Robust Consulting Engineers is committed to delivering integrated engineering services across civil, structural, infrastructure and asset lifecycle disciplines. Guided by our vision, we focus on providing technically robust solutions with efficient turnaround times that consistently meet our clients' needs.

OUR MISSION

To provide service which fuels change towards a better quality of life.

Robust Consulting Engineers is committed to delivering high-quality, integrated engineering services that support the planning, design, development and maintenance of infrastructure.

We achieve this by combining technical excellence, innovative engineering solutions and efficient project delivery to meet our clients' needs while promoting sustainable infrastructure development and long-term asset performance.



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WHO WE ARE



Engineering Excellence for Africa's Infrastructure Future

Robust Consulting Engineers (RCE) provides specialist Civil, Structural, Water, Energy and Asset Lifecycle Engineering services across Mining, Energy and Public Infrastructure sectors.

We deliver technically sound, cost-effective and compliance-driven solutions that support infrastructure development, operational performance and long-term asset sustainability.

Founded in 2012, RCE has grown into a multidisciplinary team of experienced engineers and technical specialists operating from a network of offices across the country. RCE combines deep industry expertise with practical project delivery to support clients across mining, energy and public infrastructure sectors.

Our team brings extensive experience across a wide range of projects, from conventional building and civil infrastructure to complex industrial and energy developments. By combining technical excellence with a collaborative approach, RCE delivers solutions that support sustainable infrastructure development and long-term asset performance across the continent.

INTEGRATED INFRASTRUCTURE & ASSET LIFECYCLE ENGINEERING

PROFESSIONAL CERTIFICATIONS & AFFILIATIONS

Robust Consulting Engineers maintains an internal QMS system aligned with international ISO standards, ensuring all work is rigorously reviewed before submission. The practice adheres to South African National Standards (SANS) and recognised international codes, with strong emphasis on safety and environmental responsibility. We are ISO 9001:2015 certified and operate in compliance with ISO 14001 and ISO 45001 standards.

Robust is a member of Consulting Engineers South Africa (CESA), South African Black Technical and Allied Careers Organisation (SABTACO), and the Green Building Council South Africa. We are also affiliated with the International Federation of Consulting Engineers (FIDIC) as well as FIDIC Africa and are TÜV Certified. We were recently selected to be part of the GIZ to apply our technical expertise to sustainable development projects in partner countries on behalf of the German Government.



R1.48 Billion

+ Total value of completed projects (all time)

14 yrs in business

+ RCE was established in October 2012 and operates from a network of branch offices around South Africa.

103+ projects

+ Our team brings extensive experience across a wide range of projects & energy developments. By combining technical excellence with a collaborative approach, RCE delivers solutions across Africa.

Level 2 B-BBEE Contributor

+ We contribute to inclusive economic growth & infrastructure advancement in South Africa.

WHY CHOOSE RCE

INTEGRATED SOLUTIONS

- Integrated Civil & Structural Expertise

QUALITY

- Compliance-Driven Design Approach
- ISO-Accredited Quality Management

PROVEN EXPERIENCE

- Industrial-Grade Engineering Experience
- Proven Public & Industrial Track Record

ASSET LIFECYCLE & MAINTENANCE FOCUS

- Ensuring optimal performance, extends asset longevity, minimizes downtime, and maximizes return on investment.

NATIONAL FOOTPRINT & CONTINENTAL REACH

- We deliver infrastructure projects across South Africa and the Continent



RCE DIVISIONS:

- Structural Engineering
- Roads & Transportation Engineering
- Water & Wastewater Engineering
- Mining & Heavy Industry
- Energy & Utilities Infrastructure
- Public Infrastructure & Social Development
- Asset Lifecycle & Maintenance Engineering
- Digital Engineering & GIS
- Project & Construction Management

MARKETS WE SERVE



Structural Inspection on Conveyor Belt, Syerfontein Mine | Sasol Mining

MINING SECTOR

RCE delivers comprehensive engineering solutions for surface and underground mining operations, including plant infrastructure, water systems, shutdown support and asset lifecycle management.

MINE INFRASTRUCTURE ENGINEERING

- Surface and underground structural systems
- Conveyor gantries and pipe racks
- Crusher and mill foundation
- Workshops and warehouse facilities
- Bund walls and containment systems

MINING ROADS & BULK CIVIL WORKS

- Haul road geometric design
- Heavy-duty pavement design
- Stormwater drainage systems
- Culverts and crossings

MINE WATER & TAILINGS INFRASTRUCTURE

- Tailings infrastructure civil works
- Water storage reservoirs
- Pump station design
- Dewatering systems

ASSET LIFECYCLE & MAINTENANCE ENGINEERING

- Structural compliance inspection
- Corrosion and fatigue assessments
- Rehabilitation design
- Risk-based maintenance planning



Structural engineering: mine water tank support & bund, Mpumalanga | Evander Gold Mine



Structural inspection inside Syerfontein Mine, Secunda | Sasol Mining



Water management, Shondoni Coal Mine, Embalenhle | Sasol Mining



We support safe, efficient and compliant operations through robust infrastructure & lifecycle engineering.

Rotaspiral structure (BL) Dynamic structure | Evander Gold Mine

ENERGY & UTILITIES SECTOR

RCE provides industrial-grade engineering solutions for energy generation, transmission, gas infrastructure & renewable developments.

POWER INFRASTRUCTURE

- Substation civil design
- Equipment foundation
- Cable trench networks
- Power station auxiliary buildings

RENEWABLE ENERGY INFRASTRUCTURE

- Solar farm civil plans
- Wind turbine foundation
- Battery storage civil works
- Access roads and drainage systems

GAS & PETROCHEMICAL INFRASTRUCTURE

- Compressor station foundations
- Metering station structures

ENERGY ASSET INTEGRITY & COMPLIANCE

- Structural fatigue analysis
- Industrial OHS compliance certification
- Infrastructure rehabilitation design



MARKETS WE SERVE |

We enable reliable power and energy infrastructure with a focus on durability, compliance and performance.



7 Civil & structural engineering of the Matla Washaway, Mpumalanga, SA | Sasol Gas



7 Project management of SAP road construction, South Africa | Sasol Gas



7 Inspection of various structures within the Sasol Secunda Plant, Secunda, SA | Sasol Secunda Operations

PUBLIC SECTOR



We deliver sustainable infrastructure that improves service delivery and community outcomes.



Themba Mzizi Primary School | DPW Eastern Cape

MARKETS WE SERVE

RCE delivers social infrastructure, municipal engineering and public asset lifecycle management services across provincial and national government sectors.

GOVERNMENT BUILDINGS

- Schools and sanitation upgrades
- Clinics and hospitals
- Police stations and correctional facilities
- Libraries and community facilities

MUNICIPAL INFRASTRUCTURE

- Urban road design
- Stormwater systems
- Water reticulation networks
- Wastewater networks and pump station

PUBLIC WATER & SANITATION PROGRAMS

- Drought intervention scheme
- Water reuse systems
- Wastewater treatment works

INFRASTRUCTURE ASSET MANAGEMENT

- Infrastructure audits
- Asset registers
- GIS-based municipal mapping
- 5-year maintenance planning



MegaSchools Project. Structural Engineering for Pongseong Junior Secondary School. Pongseong Village Matatiele, Eastern Cape | COEGA CDC



Central African Republic Port of Dwala Structures



The Design and Construction Management of Bridges & Culverts

Our unique approach to civil engineering isn't limited to stability alone. We engineer adaptable infrastructures designed for future-proof resilience. Every project we undertake becomes a shining beacon of innovation, efficiency, and sustainability.



MALUTI SENIOR SECONDARY SCHOOL



Watch Video



Healthcare: Lusikisiki Clinic, Eastern Cape | COEGA CDC



Queenstown Correctional Facilities, Eastern Cape | DPW National

Civil & Structural Engineering for Maluti SS | DPW Eastern Cape

PUBLIC SECTOR

Through value engineering, advanced analysis, and practical onsite experience, we assist public sector clients in achieving solutions that are cost-effective, compliant, and resilient even under challenging conditions.



Construction of Mkhondo Agri-Hub in Piet Reef, Mpumalanga
Department of Agriculture



Marlboro Depot New Staff Hall & Renovation | Pikitup Johannesburg



OUR SERVICES

Robust Consulting Engineers (RCE) delivers specialist Civil, Structural, Water and Infrastructure Engineering solutions across the Mining, Energy and Public Infrastructure sectors. We combine technical excellence with lifecycle-focused thinking — ensuring infrastructure is designed, maintained and optimised for long-term performance.

STRUCTURAL ENGINEERING

- Industrial steel & reinforced concrete structures
- Equipment & heavy machinery foundations including specialized deep foundations & anchors
- Pipe racks, gantries & platforms
- Commercial & institutional buildings
- Bridges & culverts
- Structural audits & rehabilitation
- Compliance certification & OHS assessments



ROADS & TRANSPORTATION ENGINEERING

- Geometric road design
- Pavement design (light to heavy duty)
- Haul roads (mining)
- Stormwater management systems
- Culverts and crossings
- Road rehabilitation and upgrades
- Traffic impact assessments



WATER & WASTEWATER ENGINEERING

- Bulk water supply systems
- Reservoirs and pump stations
- Water treatment plants
- Wastewater treatment works
- Reticulation networks
- Hydraulic modelling
- Effluent reuse systems



MINING & HEAVY INDUSTRY SOLUTIONS

- Plant civil & structural design
- Crusher & mill foundations
- Conveyor & pipe rack systems
- Bund walls & containment structures
- Shutdown engineering support
- Brownfield plant modifications
- Asset lifecycle engineering
- Mine closure & rehabilitation support





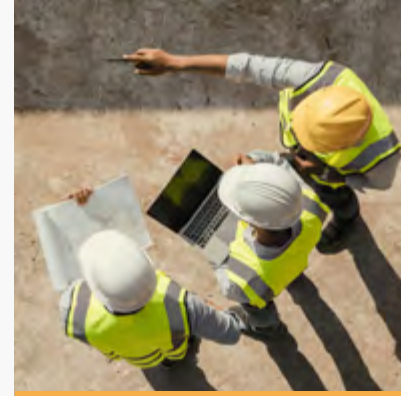
DIGITAL ENGINEERING & GIS SOLUTIONS

- GIS infrastructure systems
- Asset registers & mapping
- CAD-to-GIS conversion
- Infrastructure digitisation
- Digital maintenance tracking systems



ASSET LIFECYCLE & MAINTENANCE ENGINEERING

- Asset condition assessments
- Infrastructure audits
- Risk-based maintenance planning
- Capital renewal forecasting
- Structural compliance inspections
- Rehabilitation engineering



PROJECT & CONSTRUCTION MANAGEMENT

- Feasibility & concept development
- Design coordination
- Procurement support
- Construction supervision
- Quality control
- Commissioning & close-out

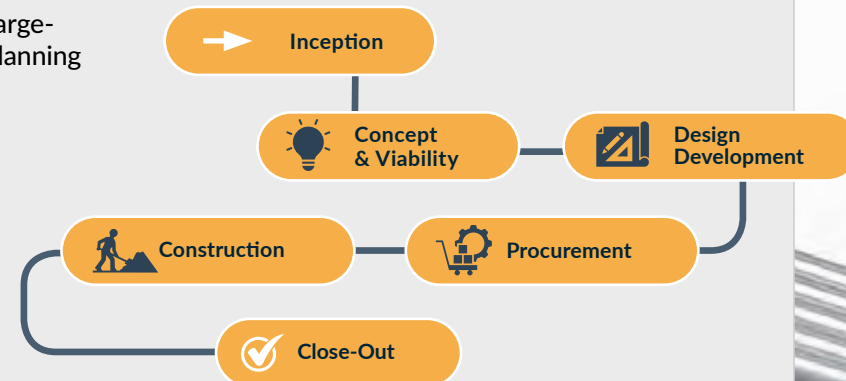
Delivering complex engineering projects efficiently

Our team manages medium to large-scale projects with structured planning & proactive monitoring.

KEY CAPABILITIES

- Project Planning
- Construction Monitoring
- Contract Administration
- Risk Management
- Cost Control
- Project Close-Out

PROJECT DELIVERY MODEL



Robust Engineers.
Projects delivered on time
& within budget.

OUR CLIENTS

Robust Consulting Engineers is proud to partner with prominent organisations and government departments across the mining, energy, and public infrastructure sectors. Through these valued partnerships, RCE has successfully delivered over 103 projects with a combined value exceeding R1.48 billion, demonstrating the trust placed in our team to provide technically robust, reliable, and sustainable engineering solutions.



WHERE WE WORK

We deliver infrastructure projects across South Africa and the Continent.

CONTACT US

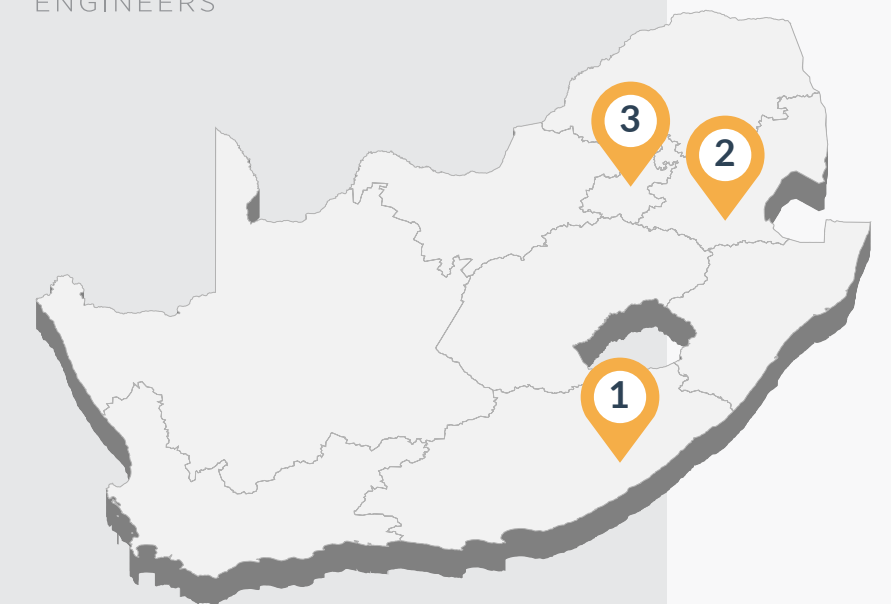
OFFICE LOCATIONS

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City centre complex office 204A,
Cnr York & Sutherland road,
Mthatha, 5099
- 2 RCE Mpumalanga
Tel: 017 632 4841
No. 11 Malokiba Industrial Park,
1 Brunel Street, Evander, 2280
- 3 RCE Johannesburg
Tel: 086 117 7726
University House
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Bryanston, 2021



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