



CAPABILITY STATEMENT · 2026

Civil & Structural Engineering

A multi-disciplinary engineering consultancy in Cape Town. We design, document and administer civil and structural works for commercial, industrial, residential and public-sector projects, with architecture, engineering and project management held under one accountable team.

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Who we are

Ace Consulting is a multi-disciplinary engineering practice working across commercial, industrial and residential development, and across South African public-sector infrastructure.

We manage the design, procurement, execution and closeout of facility contract projects, with the objective of delivering a safe, secure and appropriate physical environment on schedule and within budget. Civil and structural engineering sits at the centre of that offering, supported in-house by the wider engineering disciplines listed below.

We operate from a single office in Century City, Cape Town. Work is delivered from that office to clients in South Africa and, on a project basis, to clients in the United Arab Emirates, Libya and Türkiye. We do not maintain premises in those markets, and we say so plainly here because a capability statement that overstates its own footprint is not worth reading.

IN-HOUSE DISCIPLINES

Nine disciplines held in one practice, so the geotechnical, water and transport interfaces on a civil and structural commission are resolved internally.

Civil

Site infrastructure, earthworks, stormwater, roads and services

Structural

Superstructure, foundations, concrete and steel design

Geotechnical

Ground conditions, founding solutions, investigation liaison

Mechanical

Building services and plant integration

Electrical

Reticulation, distribution and building electrical

Water & Wastewater Treatment

Treatment process and works design

Water Resource Management

Supply, storage and catchment work

Transport

Access, traffic and transport infrastructure

Programme & Project Management

Delivery management from inception to close-out

Why the breadth matters on a civil and structural job. Most structural problems that surface late are not structural in origin. They are a founding assumption that the ground did not support, a services route that had to move, or a level that changed to solve drainage. Holding those disciplines in one practice means the conflict is found and settled at design stage, at our cost, instead of on site at yours.

Scope of services

Our civil and structural scope is organised against the recognised stages of work used in South African consulting engineering appointments, so that a client can map our deliverables directly onto their own programme and payment structure.

STAGE		CIVIL AND STRUCTURAL DELIVERABLES
1	Inception	Brief interrogation, site appraisal, constraints and servitude review, identification of the geotechnical and services information required before design can responsibly begin.
2	Concept and viability	Structural framing options, foundation strategy against known ground conditions, civil platform and stormwater concept, and an early view of the cost and buildability consequences of each option.
3	Design development	Developed structural analysis and sizing, foundation design, civil layouts for earthworks, roads, stormwater and services, and coordination against the architectural and building-services models.
4	Documentation and procurement	Construction documentation, schedules and specifications, bills of quantities support, tender documentation, tender evaluation and recommendation of award.
5	Contract administration and inspection	Site inspections against the design intent, review of contractor submissions and temporary works, instructions and variations, payment certification support, and resolution of the conditions actually encountered on site.
6	Close-out	Completion inspections and defect lists, as-built record documentation, and handover of the operation and maintenance information the client needs to run the asset.

On fee structure. We scope and structure fees with reference to the Engineering Council of South Africa Guideline Scope of Services and Professional Fees, gazetted in May 2025 under the Engineering Profession Act. That guideline is explicitly advisory rather than binding, and we cite it because it gives a client an independent public benchmark to measure our proposal against rather than asking them to take our pricing on trust.

How we work

The controls below are the ones that actually govern what leaves this office. They are described in enough detail that a technical reviewer can interrogate them, which is the point: a described process can be tested against, and that is a more useful thing to give a client than a logo.

1 Independent checking before issue

Structural calculations are checked by an engineer other than the originator before any drawing is issued for construction. The check covers loading assumptions, load paths and the critical members, not only arithmetic.

2 Design gates at each stage boundary

Work does not advance past a stage boundary until the deliverables for that stage are complete and signed off. This is what prevents a concept assumption travelling silently into construction documentation.

3 Design to the applicable SANS codes

Structural design is carried out to the applicable South African National Standards, including SANS 10160 for the basis of structural design and actions, with the governing code stated on the drawings so the basis of design is auditable from the documentation itself.

4 Ground conditions resolved before founding design is fixed

Foundation design follows the geotechnical information rather than anticipating it. Where investigation is incomplete we say what is assumed and what must be confirmed, in writing, rather than carrying an unstated assumption into the design.

5 A single coordination point across disciplines

Because architecture, civil, structural and building services sit in one practice, interface clashes are resolved internally and reach the client as a coordinated position rather than as a dispute between separate consultants.

6 Site conditions recorded against the design intent

Inspections are recorded against what the design assumed, so that a departure on site is identified as a departure and dealt with, instead of surfacing at close-out.

Where we have worked

Our record is weighted towards South African public-sector work in the Western Cape: municipal and provincial healthcare, civic and recreational facilities, education and municipal infrastructure. The projects below are named because they are ours to name.

Healthcare

Blue Downs Clinic · St Vincent Clinic · Klipfontein Emergency Centre · Mayenzeke Clinic · Langa Clinic · Heideveld Community Health Centre

Civic and recreational

Sea Point Pavilion Swimming Pools · Parow North Public Swimming Pool · Observatory Community Recreational Facility · Bellville Library · Visitor Information Centre, Mamre

Education

University of the Western Cape, main entrance upgrade

Municipal and industrial

Vaalfontein Solid Waste Depot · Blue Water Chalets · CRRC

What this work has in common

Occupied or partially occupied sites, public clients with formal procurement and reporting obligations, existing structures whose real condition differs from the record drawings, and phasing that has to keep a facility operating while work proceeds around it.

References

Project references, scope detail and client contacts are available on request and are released with the client's permission. We do not publish client correspondence, testimonials or contract values without it.

Professional standing

Engineering practice in South Africa is regulated at the level of the individual practitioner. The Engineering Council of South Africa registers engineers, technologists and technicians personally, and the South African Council for the Architectural Profession does the same for architects. There is no equivalent firm-level registration, and any consultancy presenting one as a company certificate is describing something that does not exist.

We therefore state professional standing at the level it is actually held. Current registration details for the practitioners who would be assigned to your project, together with the professional indemnity position for the appointment, are provided in writing with our fee proposal, where they can be checked against the relevant register before you appoint us.

On certification claims. This document makes no quality-certification, contractor grading or empowerment-level claim. Where a tender requires any of these, we will respond to that requirement directly and with current evidence, rather than carry a badge here that a reader cannot verify. The Construction Industry Development Board register, for instance, grades contractors executing works and is not a registration a consulting engineering practice holds.

What lets us quote accurately

Where the items below are not available we will still quote, but we will state which assumptions the figure rests on rather than absorb the risk silently.

Site and ground. Erf number and locality plan, any geotechnical investigation already carried out, and a survey with levels where one exists.

Scope and programme. Current drawings or a written brief, the intended procurement route, and the dates the programme is actually being held to.

Discuss a project

Send us the brief, the site and the programme. We will tell you what we would need to see before committing to a structural position, and what we would charge to get you there.

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