



MERLICON

Multi-disciplined Engineering Consultants

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ENGAGEMENT

We strive to maintain our client's design and conceptual intent throughout the project lifecycle. We insist on being aligned with our collaborators.

EXPERIENCE

We have worked on a wide range of projects in several challenging locations around the world.

EXPERTISE

Our technical knowledge has been developed by solving complex engineering problems and is maintained by our curiosity and continuous development.

OUR OUTCOMES

Regardless of the phase of the project, we ensure our goals are oriented with our clients and fellow contributors through various communication channels. Chief among them being a good-old phone call.

We have contributed to more than 1800 projects in the residential, commercial, industrial, telecommunications and mining sectors. We have consulted on projects with a total value of R1bn down to R20k.

We are determined to remain innovative through our active affiliation with several technical institutes and bodies, such as CESA, SAICE, and SAISC. Our advanced software suite enables us to solve demanding design problems efficiently.

OUR PRESTIGIOUS CLIENTS



OUR SERVICES

Merlicon uses their expertise as civil and structural engineers to design, manage and supervise construction projects.

We use 2D, 3D, FEA, and BIM software to achieve our goals.

Merlicon has specific technical core competencies that form the basis of the services offered by the company.

DETAILED CIVIL AND STRUCTURAL DESIGN AND ENGINEERING

The design disciplines offered by Merlicon include the following:

- Structural Steel (including the design and survey of steel support structures for both static and dynamic loading)
- Building Structures (including the design and survey of concrete support, flooring and founding structures, as well as timber roofing designs)
- Civil Structures (including the design of retaining walls/systems, layer works and road surfacing)
- Bulk Earthworks (including terracing, platforms, mass balances and BOQ's)
- Civil Services (including the design of sewer, effluent and storm-water drainage facilities associated with building projects)
- Industrial (including factory layouts)
- Fibreglass Structures (including the design of both fibreglass panels and pultruded fibreglass sections)

DRAUGHTING AND DETAILING SERVICES

The professional engineering team is supported by a full CAD draughting facility, operating on the latest Autodesk products. This enables the team to produce detailed drawings from the conceptual design phase to the final design (including workshop drawings of structural steelwork). We offer BIM services to our clients and produce 3D models to suit our clients' needs.

PROJECT MANAGEMENT

Our core competencies allow us to seamlessly manage civil and structural construction projects. At the request of some of our clients, we have successfully managed and administered several infrastructure builds.

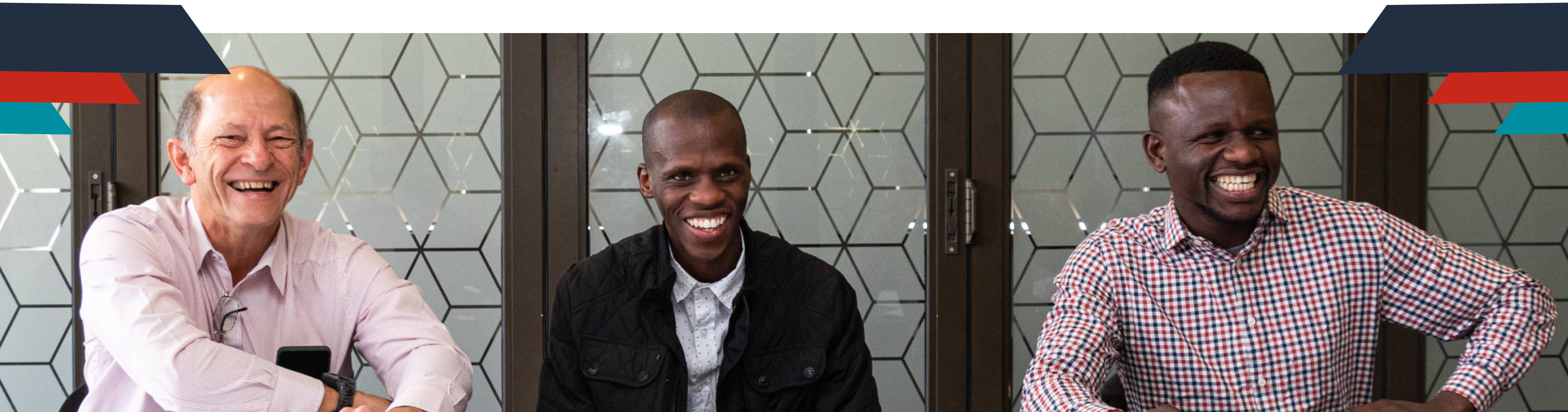
DOCUMENT CONTROL

A comprehensive document control system supports the above technical disciplines and has been based on the requirements of ISO 9002. This control system deals with the handling of design codes, client/company drawing revisions, archiving of drawings and design calculations, as well as the control of electronic information.

SOCIAL RESPONSIBILITY

We are cognizant of the impact of our design not only in relation to the environment but on our society and our collective future as well.

- Our team stays aware of the latest technological developments to implement sustainable solutions.
- We train and develop our team's technical expertise.
- We believe a diverse team leads to a broader possibility of outcomes.
- Merlicon maintains health and safety protocols in our designs and on-site. We mitigate risk through planning and cooperation.



WHO WE ARE

Merlicon (Pty) Ltd is a Civil and Structural Engineering Design and Project Management company that was established in 2003 and has grown out of its well-established sister company, Merlin Project Services (Pty) Ltd.

The company utilises the collective professional engineering experience of its partners to deliver a comprehensive service to its clients in the industrial, mining, commercial, telecommunications and residential sectors.

Merlicon was specifically established to consolidate its professional civil and structural engineering expertise into a consulting service.

The consolidation was undertaken due to increasing demand for these specific services, both on a national and an international basis, as well as the specific infrastructure requirements necessary for the discharging of such a service efficiently. In this business entity, we believe that we offer a comprehensive service in accordance with the framework, guidelines and codes of conduct provided by the Engineering Council of South Africa.

On several projects, we have undertaken the complete turnkey engineering and construction function through cooperation with our sister company, Injineli (Pty) Ltd. "Injineli" translates to Engineer in Xhosa.



HEINRICH WICOMB
Director



WENDY ZUMA
Director



HERMAN SMITH
Civil Engineer
PrEng, B.Eng. (Civ. Eng.)



TSEPISO TSHIVHASE
Civil Engineer
BSc Eng (Civ. Eng.)



ZANDR  BUYS
Civil Engineer
B.Eng. (Civ. Eng.)



SISA NDOKWANA
Draughtsperson
BTech (Mech. Eng.)

MEET OUR TEAM

At Merlicon, we are motivated by our passion to create. In doing so, we contribute to a brighter future.



KEN JENSEN
Founder
PrEng, B.Sc. (Civ. Eng.)



JOHAN DE BOER
Director
PrTechEng, BTech. (Civ. Eng.)



DYLAN MOSETIC
Director
PrEng, B.Eng. (Civ. Eng.), MBA



SISEKO MANGXOLA
Draughtsperson
BTech (Mech. Eng.)



OUR MISSION

Merlicon will focus its efforts on providing professional structural and civil engineering consulting responses to its clients by ensuring that their specific requirements are accurately incorporated into cost-effective design solutions.

Merlicon will attempt to develop long-term relationships with clients to understand client specific needs and so improve its service levels to its customers.

Merlicon will endeavour to grow the knowledge developed with clients in the Western Cape by expanding such activities on a national and international basis. To do this, Merlicon will make optimal use of electronic data transfer and advances in information and communications technology.

Merlicon will, where expedient, consider joint venture operations or staff secondments to meet the requirements of clients on a national and international level.

Merlicon will focus its activities primarily on the structural and civil fields of engineering. To this end, it will grow and train the expertise of its technical design and draughting staff.

Merlicon will promote black economic empowerment, equal opportunities and a partnership approach when developing its business opportunities. Wherever possible, Merlicon will attempt to provide development opportunities to previously disadvantaged groups when considering staff selections and joint venture partnering.

OUR VALUES

OUR CLIENTS

With our client-centred approach, we strive to provide workable and practical solutions that meet our clients' needs most effectively.

OUR STAFF

Developing and growing our staff's knowledge, experience and qualifications are important to us.

OUR REPUTATION

We work with integrity, honesty, and transparency, always.

PROJECTS / SUCCESS STORIES



RIOZIM

Gold Mine

Design and detailing of bulk earthworks, stormwater, civil structures, reinforced concrete, and structural steelwork for a gold mine in Zimbabwe.



ANGLO AMERICAN

Hydrogen Refuelling Station

PFS level design and detailing of earthworks, stormwater and civil structures for a hydrogen refuelling station at an existing mine in Limpopo.



ATLANTIS FOUNDRIES

Concrete Bunker

Design and detailing of 1200m² heavy industrial concrete bunker to contain scrap metal.



ATLANTIS FOUNDRIES

Heavy Industrial Factory Extension

Design and detailing of earthworks, reinforced concrete, and structural steelwork of factory extension housing multiple cranes.



NAMDEB

Diamond Mine

Design and detailing of bulk earthworks, roads, civil structures, and reinforced concrete for a diamond mine in Sendelingsdrif, Namibia.



NOVUS/PAARL MEDIA

Printing Facility Extension

Design and detailing of 4800m² structural steelwork factory extension.



TWO-A-DAY

MFL Firewall

Design and detailing of earthworks and reinforced concrete of 140m long, 13m high, 4-hour fire rated wall.



VODACOM

Mast Bracketry

Inspection of tower masts, and design and detailing of the steelwork bracketry required to house the latest radio frequency equipment.



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