UDUHU HOLDINGS

COMPANY PROFILE

2026

ENGINEERING & CONSTRUCTION

Welding. Mechanical. Civil. Asset protection.

UDUHU HOLDINGS (PTY) LTD

Integrated capability. Practical project delivery.

SERVICES

OUR PROCESS

EXPERIENCE

www.uduhu.co.za

SOUTH AFRICA

Who we are

Engineering, construction and industrial maintenance

Uduhu Holdings (Pty) Ltd brings civil, structural, mechanical and welding capability together for industrial projects and operating assets.

We support mining, energy, industrial and public-infrastructure clients, including EPC / EPCM project environments. Our scope combines engineering inputs, workshop fabrication and site execution - from roads and foundations to steel structures, process pipework, tank repairs and vessel steelwork.

Registered in 2014, Uduhu is a 100% black-owned South African company. We develop practical skills and employment opportunities while maintaining a focus on safety, quality and responsible delivery.

OUR MISSION

Develop people and deliver mechanical, civil, consulting and welding services through safe, mutually beneficial relationships.

OUR VISION

Contribute to cleaner, more efficient industry through engineering expertise, innovation and responsible execution.

R670m+	230+	12+	3
Project value delivered	Projects completed	Years in business	Operating locations

OWNERSHIP & EMPOWERMENT

100% black-owned | Level 1 B-BBEE

Safety / People / Quality

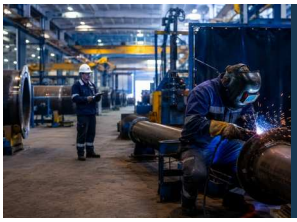
Our services

Six connected disciplines supporting industrial projects, operating assets and infrastructure.

01

Welding engineering

Welding procedures, coded repairs, fit-up control and inspection coordination for structural and mechanical assets.



02

Fabrication & maintenance

Structural steel, platework, process spools, mechanical installation, plant repairs and planned shutdown work.

03

Civil engineering & construction

Earthworks, roads, drainage, reinforced-concrete foundations, buildings and industrial reinstatement.

04

Consulting & project management

Feasibility, civil and structural design, drawing coordination, programme and technical delivery support.

05

Marine engineering

Vessel steel renewal, piping repairs, mechanical support and port-maintenance interfaces.

06

Corrosion control & asset protection

Condition assessment, abrasive blasting, protective coating systems, inspection and repair planning.

MARKETS WE SERVE

Mining / Energy / Industrial processing / Marine / Public infrastructure

Welding & mechanical works

Fabrication, repair and maintenance for structural steel, process systems and industrial equipment.

Welding engineering

Structural and coded repair work starts with the material, joint, service conditions and applicable requirements. Preparation, welding and inspection follow a defined sequence.

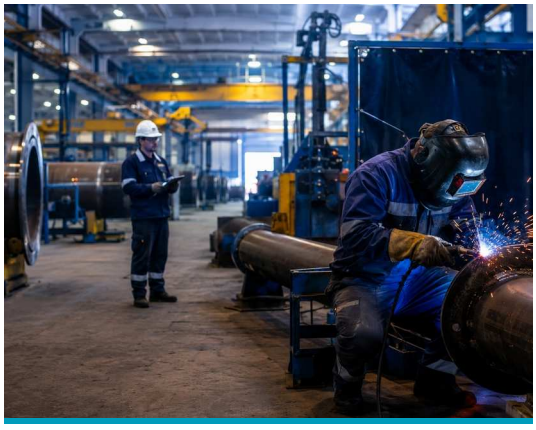
- Welding procedure specifications (WPS), welder qualifications and consumable traceability.
- Joint preparation, fit-up, weld sequencing and repair identification against the approved scope.
- Visual and non-destructive testing coordination, defect close-out and welding records.

Welding coordination, preparation and controlled execution.

Fabrication, installation & maintenance

Workshop and site work is coordinated around verified dimensions, connection details, fabrication tolerances, installation access and inspection hold points.

- Columns, beams, trusses, bracing, platforms, stairs and handrails.
- Platework, process spools, tanks, chutes, supports and fabricated components.
- Mechanical installation, valve work, plant repairs and planned shutdown support.



Workshop fabrication and mechanical work.

Maintenance & shutdown support

Work packages may combine process-piping renewal, flange and valve work, pump repairs and mechanical reinstatement. Prefabrication, access and isolation requirements are coordinated around the available shutdown window and inspection hold points.

FROM MATERIAL TO RELEASE

Material traceability, dimensional verification and inspection records connect fabrication to installation. Inspection and test plans define hold points; maintenance work is coordinated with isolations and controlled reinstatement.

Civil works & project engineering

Civil construction and engineering coordination for industrial structures and supporting infrastructure.

Civil works connect founding conditions, levels and structural interfaces.

Civil engineering & construction

Civil works establish the load-bearing platform for structures and equipment. Formation levels, drainage falls, reinforcement, concrete geometry and anchor positions are coordinated with the assets they support.

- Earthworks, engineered layerworks, roads and stormwater drainage.
- Reinforced-concrete foundations, plinths, slabs and support structures.
- Water, sewer and wastewater infrastructure.
- Buildings, rehabilitation and industrial reinstatement.

Consulting & project management

Technical decisions are linked to actual site conditions, constructability, programme, cost and the interfaces between disciplines, from feasibility through to handover.

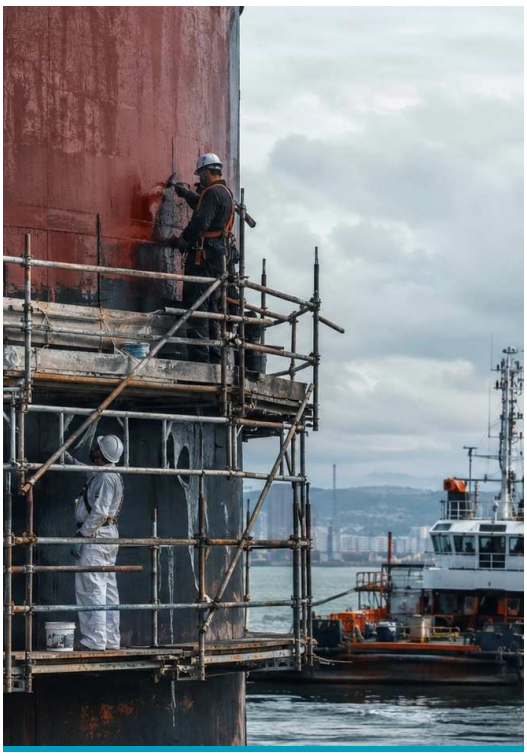
- Feasibility studies, options assessment and technical reporting.
- Civil and structural design, site verification and drawing coordination.
- Scope definition, setting-out information and fabrication support.
- Programme, cost, risk, quality and stakeholder coordination.

APPLIED ENGINEERING

Warehouse civil packages, mine-access roads and mill foundations require control of formation, compaction, concrete geometry and holding-down bolts. Our delivery links these details to the structural and operating interfaces.

Marine repairs & asset protection

Steel renewal, mechanical support and corrosion protection for vessels, ports and process assets.



Marine maintenance and port-infrastructure interfaces.

MARINE ENGINEERING

We support vessels and port infrastructure through condition assessment, repair planning and controlled execution. Work is coordinated around asset condition, access constraints and operating requirements.

- Vessel steel repair, local reinforcement and refurbishment.
- Marine piping repairs, dismantling, replacement and reassembly.
- Structural and mechanical installation; dredging-maintenance support.
- Access planning, containment and inspection coordination.

Corrosion control & asset protection

Repair and coating activities are sequenced together so protective systems continue across new welds, cut edges, repaired steel and retained surfaces.

ASSESS & PREPARE

- Condition surveys and repair prioritisation.
- Abrasive blasting, cleaning and surface-profile control.
- Containment and controlled waste handling.

PROTECT & VERIFY

- Coating application to specified systems and recoat windows.
- Stripe coating of edges, welds and crevices.
- Dry-film-thickness checks and inspection records against project requirements.

Application: tanks, process structures, vessel steelwork and marine piping.

Technology in project delivery

Relevant industry tools connect field measurement, design coordination, planning and inspection.

FIELD CAPTURE / DESIGN COORDINATION / QUALITY VERIFICATION

01

Drones & laser measurement

Drone photogrammetry and laser scanning capture site imagery and point clouds for as-built surveys, dimensional checks and design inputs.

02

CAD & BIM coordination

CAD drawings, 3D models and clash reviews coordinate steelwork, equipment and services. Industry tools include Tekla Structures and Navisworks.

03

Programme & scheduling

Linked activities, critical-path analysis and progress updates coordinate resources, shutdown windows, inspection milestones and handover dates.

04

Ultrasonic inspection

Ultrasonic testing (UT) supports weld examination and remaining-wall-thickness assessment, informing repair scope and asset-integrity decisions.

05

Coating measurement

Dry-film thickness (DFT), surface-profile and environmental checks verify preparation and application against the specified coating system.

06

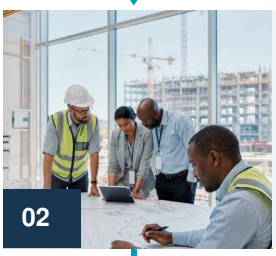
Digital quality records

Revision-controlled drawings, material traceability, weld and repair registers, and signed inspection records form the handover dossier.

Industry technology illustrated; deployment is defined by project scope and required accuracy.

Our process: how we deliver

Five connected stages take the work from a defined requirement to a documented handover.

	DELIVERY STAGE	STAGE OUTPUT
01	**Scope & site verification** Define the scope, verify site conditions and identify interfaces, access constraints and acceptance criteria.	**Defined scope** **Verified site inputs**
 02	**Plan, design & programme** Coordinate drawings, methods, permits, resources, procurement and inspection hold points within the programme.	**Coordinated drawings** **Execution programme**
03	**Fabricate & execute** Control material traceability, fit-up, fabrication and installation against approved drawings and inspection points.	**Controlled fabrication** **Installed or repaired work**
04	**Inspect, test & resolve** Complete specified inspections and tests, record results, close non-conformances and verify acceptance criteria.	**Inspection evidence** **Closed corrective actions**
05	**Handover & close-out** Compile as-built and quality records, close punch-list items and coordinate acceptance and controlled reinstatement.	**Handover dossier** **Acceptance close-out**

SAFETY / QUALITY / PROGRAMME CONTROL - THROUGHOUT DELIVERY

Project experience

Civil & structural construction: coordinated packages for storage, handling and access.

PROJECT 01 COMPLETED

TECHNICAL FOCUS

- Engineered layerworks
- Heavy-duty slabs
- Steel and crane interfaces

SASOL / ROMPCO

Pipe-storage warehouse Civil works

SCOPE

Bulk earthworks, engineered layerworks, reinforced-concrete foundations, heavy-duty slabs, stormwater drainage and masonry. The civil package included the crane-yard interfaces required to support a warehouse handling long-length pipeline sections.

EXECUTION

Long pipe sections and concentrated handling loads governed the civil platform. Uduhu established the founding formation, controlled layer density and cast reinforced elements around the structural-steel and lifting-system interfaces. Setting-out, concrete geometry and drainage were coordinated with the warehouse arrangement.

SASOL / ROMPCO

Demountable-roof steel warehouse

SCOPE

Detailing, fabrication and erection of the primary steel frame, bracing system, crane interfaces and demount-able roof modules. The roof arrangement enabled long-length pipes to be loaded into the building from above.

EXECUTION

The structure had to provide stable load paths while allowing roof bays to be removed for crane access. Uduhu coordinated the large-span frame, engineered lifting points and repeatable bolted reconnection details, with fabrication and erection controls around the remov-able modules.

PROJECT 02 COMPLETED

TECHNICAL FOCUS

- Large-span steelwork
- Removable roof modules
- Bolted reconnection

Mining infrastructure

Pavements and foundations constructed around mine access and operating-plant interfaces.

PROJECT 03 **COMPLETED**

TECHNICAL FOCUS

- Pavement layer control
- Density and moisture
- Hot-mix asphalt

ELIKHULU MINE

Heavy-duty mine entrance road

SCOPE

Subgrade preparation, engineered pavement layers, moisture conditioning, density-controlled compaction and hot-mix asphalt surfacing. Drainage and tie-in interfaces formed part of the entrance-road works for repeated mine traffic.

EXECUTION

The pavement had to withstand repeated traffic while managing the risk of rutting and water ingress. Uduhu rebuilt the formation in controlled lifts, managed moisture and compaction, and placed a uniform asphalt wearing course with coordinated drainage and access interfaces.

EVANDER GOLD MINE

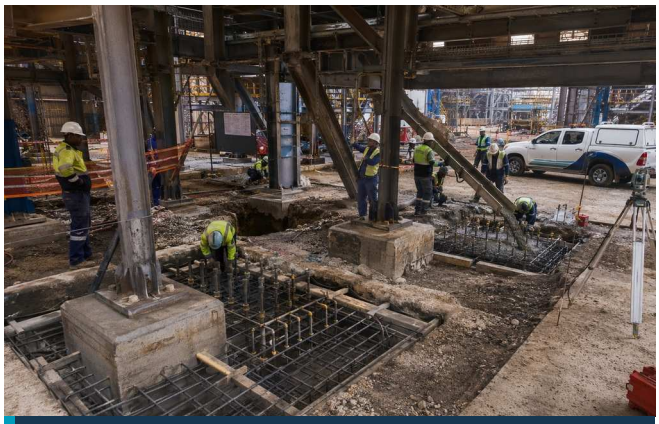
Mill-building equipment foundations

SCOPE

Excavation, founding verification, blinding, reinforcement, precision formwork and controlled concrete placement. Holding-down bolt templates were set to coordinate new equipment foundations with the existing mill-building structure.

EXECUTION

Foundation geometry had to align with existing steelwork and new equipment interfaces. Uduhu maintained dimensional control through setting-out, reinforcement installation, formwork and bolt-template checks before each concrete pour, with the structural grid and installation interfaces guiding the sequence.



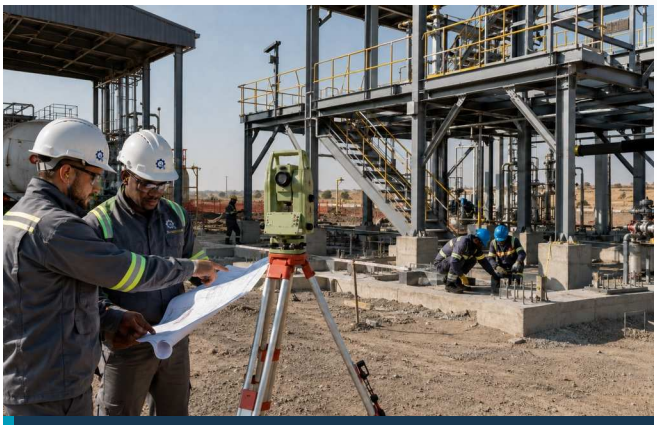
PROJECT 04 **COMPLETED**

TECHNICAL FOCUS

- Founding verification
- Reinforcement control
- Holding-down bolt templates

Industrial & energy projects

Engineering coordination and mechanical refurbishment within established plant environments.



PROJECT 05 ONGOING

TECHNICAL FOCUS

- Laser-verified measurement
- Civil and structural design
- Fabrication interfaces

ENAEX AFRICA

ANS offloading platform Design & delivery

SCOPE

Laser-verified site measurement, civil and structural design, general-arrangement drawings, setting-out information, constructability review and fabrication support. The platform interfaces with existing offloading equipment and congested plant services.

EXECUTION

Field geometry, offloading equipment and plant services must be coordinated before fabrication and erection. Uduhu is converting verified site constraints into design information, resolving structural and civil interfaces, and supporting fabrication queries and the setting-out requirements for the platform.

ESKOM - TUTUKA POWER STATION

Main cooling-water train Mechanical refurbishment

SCOPE

Maintenance of large-bore cooling-water piping, isolation valves, pumps, condenser interfaces, cooling towers and heat-exchange equipment. The work addressed linked mechanical assets within the main cooling-water system.

EXECUTION

The cooling-water train connects several high-duty assets, making interface control central to execution. Uduhu coordinated inspection, mechanical refurbishment and alignment checks across the interconnected system, followed by staged reinstatement and return-to-service controls aligned with the plant arrangements.

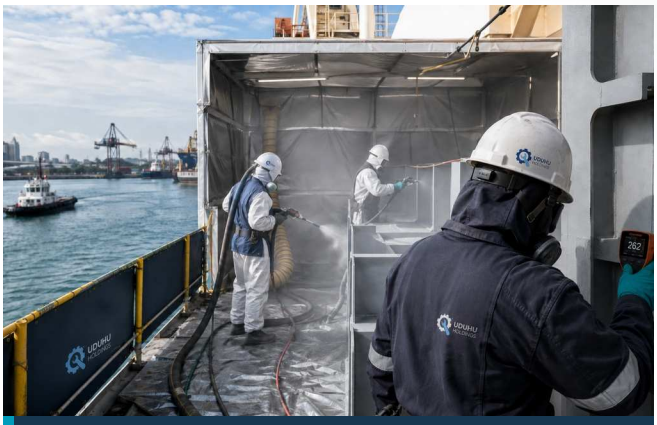
PROJECT 06 COMPLETED

TECHNICAL FOCUS

- Large-bore piping
- Mechanical refurbishment
- Staged reinstatement

Marine & process-asset repairs

Repair scopes combining integrity, corrosion protection and controlled reinstatement.



PROJECT 07 **COMPLETED**

TECHNICAL FOCUS

- Abrasive preparation
- Stripe and multi-coat application
- Dry-film-thickness checks

TRANSNET NATIONAL PORTS AUTHORITY

Marine steel Corrosion protection

SCOPE

Abrasive surface preparation, local steel treatment, stripe coating and multi-coat application for saltwater exposure. Dry-film-thickness verification supported the reinstatement of protective coatings on renewed marine steel.

EXECUTION

Welds, edges and crevices are vulnerable points in the chloride-rich marine environment. Uduhu treated these details as inspection priorities, coordinated preparation with coating application and verified coating build-up at defined stages before release of the protected steelwork.

EVANDER GOLD MINE

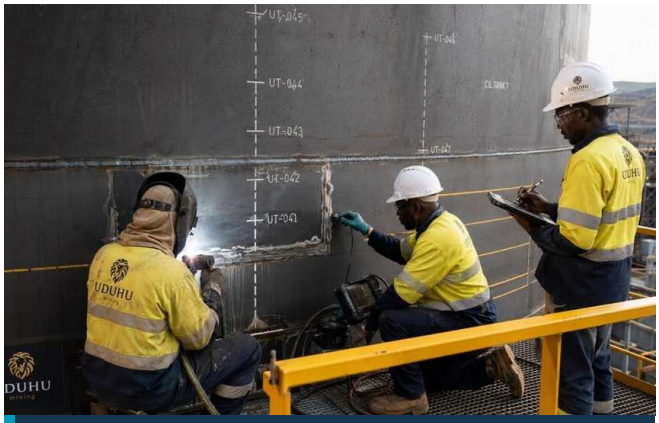
CIL tank train Integrity rehabilitation

SCOPE

UT-informed weld repairs, shell-plate renewal, local reinforcement, overflow-piping modifications, composite repairs and coating reinstatement. The scope addressed differing integrity and corrosion conditions across the CIL tanks.

EXECUTION

The tanks presented combinations of weld indications, corrosion and local deformation. Uduhu translated inspection findings into sequenced repair packs, with coded welders completing defined interventions under traceable quality control and coordinating steel repairs with the associated protective-coating reinstatement.



PROJECT 08 **COMPLETED**

TECHNICAL FOCUS

- UT-informed repair packs
- Shell and weld rehabilitation
- Traceable quality control

Standards & professional capability

A structured framework for quality, safety, contractor registration and technical expertise.

COMPANY SYSTEMS & REGISTRATIONS

Management systems

ISO 9001 / ISO 14001 / ISO 45001

Quality, environmental, and occupational health and safety management.

Welding quality

ISO 3834-2

Comprehensive quality requirements for fusion welding.

Contractor grading

CIDB 9CE PE / 8ME PE / 8GB PE

Civil engineering, mechanical engineering and general building.

Building registration

NHBRC

National Home Builders Registration Council registration.

PROFESSIONAL EXPERTISE & INDUSTRY AFFILIATIONS

ECSA
Individual professional registration

PMI
Individual project credentials

SAIW
Welding-industry affiliation

NACE / AMPP
Corrosion-industry expertise

Bureau Veritas
Certification & inspection

SAICE
Civil engineering institution

Professional registrations and credentials apply to individuals; project requirements define scope.

Our clients & project relationships

Supporting operating assets and infrastructure across South Africa's industrial sectors.

UDUHU ON SITE / PEOPLE, EQUIPMENT & COORDINATED EXECUTION

SELECTED CLIENT PORTFOLIO

- Sasol
- Eskom
- Enaex
- Transnet
- John Thompson
- Richards Bay Minerals
- ROMPCO
- Air Liquide
- Seriti
- Royal IHC

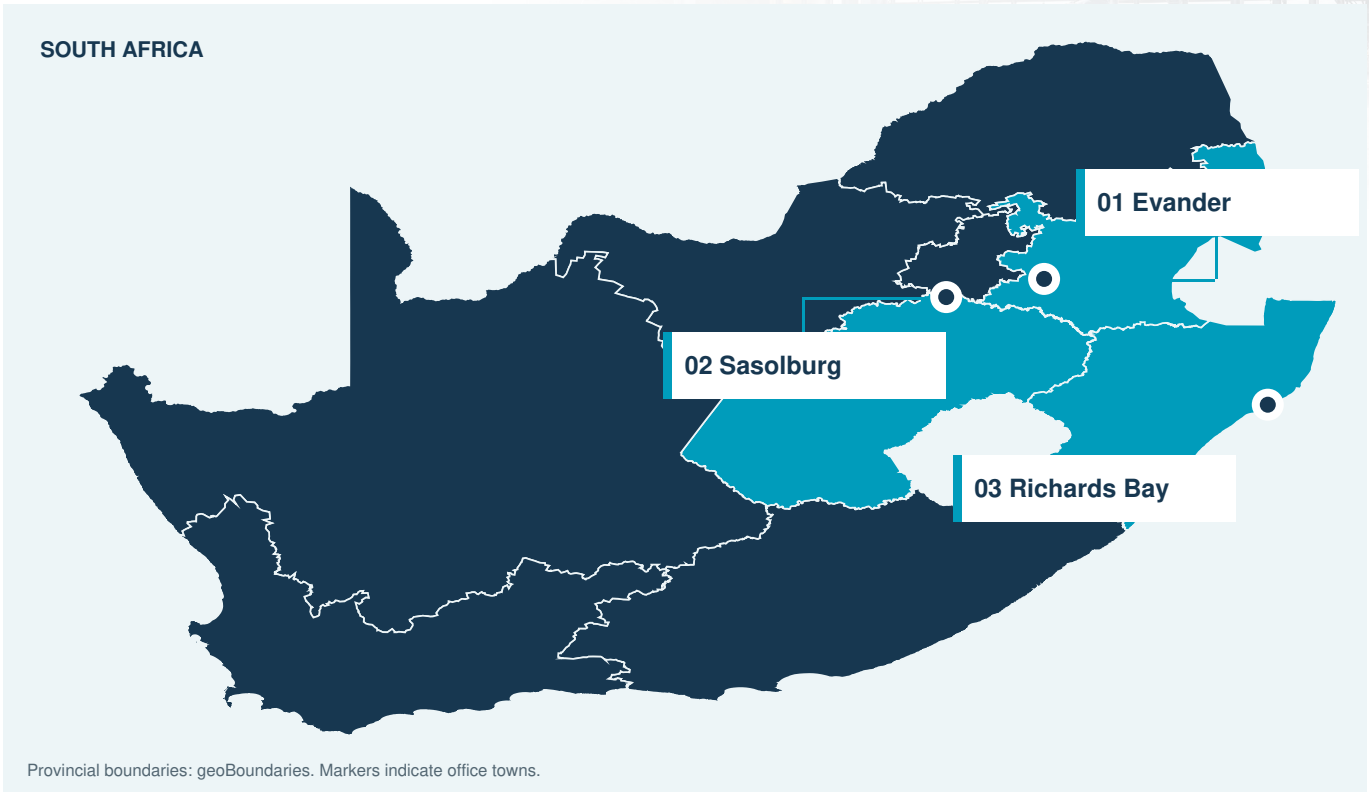
ACROSS THE INDUSTRIAL LIFECYCLE

Mining & processing / Energy & chemicals / Marine & ports

Civil construction, structural steel, mechanical refurbishment, tank rehabilitation and protective coatings.

Three offices. One delivery focus.

Supporting clients from Mpumalanga, the Free State and KwaZulu-Natal.



Provincial boundaries: geoBoundaries. Markers indicate office towns.

01

Evander

Mpumalanga

16 Cornell Road
Evander, 2280

02

Sasolburg

Free State

Industrial Zone 2
Sasolburg, 1947

03

Richards Bay

KwaZulu-Natal

26 Bauxite Bay, Alton
Richards Bay, 3900

Let's discuss your next scope.

Send the scope, drawings, site location and required programme so we can assess the work and its technical interfaces.

+27 17 150 1017 **admin@uduhu.co.za** **www.uduhu.co.za**

Mon-Fri 07:00-16:00 | Saturday by arrangement

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