

# COMPANY PROFILE



## The Next Generation of World Class S.M.E.I.P Engineering

Steelwork, Mechanical, Electrical, Instrumentation and Piping · Engineering, Fabrication and Site Erection

## WHO WE ARE

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**Channel Construction** was founded over 20 years ago as a medium to heavy fabricator and erector of structural steel, including the manufacturing of modular structures, pipe-racks, pipe-spools, fabricated tanks and site-erected tanks (using the Jacking Method).

Located in Springfield, Durban, our workshop and fabrication facilities offer over 5,000 m<sup>2</sup> of open and closed space. Our location links us to all national highways and freeways for easy access to client sites across Southern Africa.



**28+**

Years in operation

**5,000 m<sup>2</sup>**

Workshop and  
fabrication space

**30 t**

Overhead crane lifting  
capacity

**100 mm**

Plate rolling thickness

**3**

Offices: Durban,  
Zambia, Moçambique

# OUR MISSION AND CREDENTIALS

At **Channel Construction** we aim to deliver manufacturing and engineering projects within budget, on time and to exacting standards, while maintaining the highest safety and quality standards.

We are committed to Preferential Procurement Policies whereby we empower small and local businesses.

## **CIDB 9ME · 9CE · 7SL · 7EP, PE**

Construction Industry Development  
Board Grading

## **ISO 9001:2015 · ISO 3834**

SABS accredited quality and welding  
management

## **Level 1 B-BBEE**

Broad-Based Black Economic  
Empowerment status

## **100% Black Owned**

Proudly South African Ownership



**Bucket Wheel**

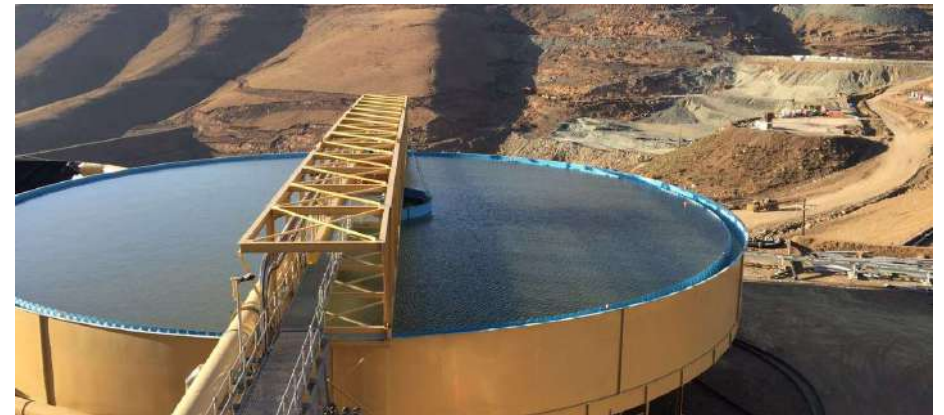


**Orebin**

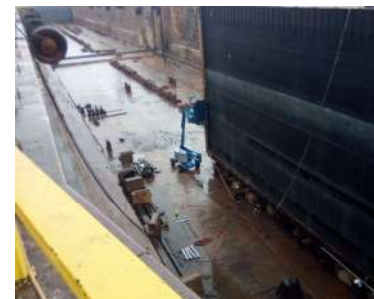
# MANUFACTURING CAPABILITIES

**Channel Construction** has a proven ability to ensure cost-effective, skilled manufacture of products to exacting standards. We manufacture in carbon steels, stainless steels and exotic materials, and offer the following range of products:

-  Structural Steelwork
-  Tanks, Pressure Vessels and Heat Exchangers
-  Hoppers, Ducting and Chutes
-  Specialised Equipment and Components
-  Process Equipment
-  Materials Handling Equipment and Conveyors
-  Maintenance and Repairs
-  Site Erection



**Slimes Bolted Thickener**



**Rehabilitation of the Inner  
Caisson at the Dry Dock**



**Sappi Ngodwana: Structural Steelwork**

## WORKSHOP FACILITIES

The workshop is serviced by **four overhead cranes** ranging from 5 to 15 tons under hook, with a total lifting capacity of 30 tons. We have a full range of equipment to carry out medium to heavy engineering fabrication, including:

- Welding machines
- Plate rolls: up to 100 mm thick plate
- Cropper / shear
- Guillotine: 13 mm plate over 3.2 m
- Press brakes: 300 ton over 4.2 m
- Full blasting and painting facilities
- Skyjack
- Bend press
- Radial arm drill
- Mobile compressor
- Bandsaw pipe cutting machine



**Skyjack**



**Radial Arm Drill**



**Guillotine**

# SITE ERECTION EQUIPMENT

**Channel Construction** has the full capability to perform site erection projects with our own plant and equipment, including:

- 2 × 60 ton Tadano all-terrain cranes
- 250 kVA diesel generators
- Scaffolding
- 50 × 450 A welding machines
- Tank jacking system
- Forklifts
- Site vehicles
- Small tools



**Barberton Tailings Plant: Erection**



**Built-in Modular Structure for  
Crystallisers, Nickel Mine**



**Crane Repair**

# SELECTED PREVIOUS EXPERIENCE

Channel Construction focuses on medium to heavy engineering projects across Southern Africa and abroad.

| Ports & Transport                     |                                                                                                                                                    |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>TNPA</b>                           | Refurbishment of Dry-dock Caisson (including Bulge Piping Fabrication and Installation)                                                            |
| <b>TNPA</b>                           | Port of Cape Town – Repairs to the floating Caisson at Robinson Dry Dock for a period of 3 months                                                  |
| <b>TNPA</b>                           | 1200 Ton Slipway Cradle Project in the Port of Port Elizabeth                                                                                      |
| <b>TNPA</b>                           | Detailed design, manufacture, supply, delivery, and installation of Capstans that are hydraulically driven as well as final testing, commissioning |
| <b>TNPA</b>                           | Redesign, Fabrication, and Installation of Lifting Platform Main Beams at Syncrolift Dry dock in the Port of Cape Town                             |
| <b>TGC</b>                            | Construction of Mechanical and E & CI works for the SO5 to NO2 Transfer point in the Port of Richards Bay                                          |
| <b>TGC</b>                            | Design, Supply & Install Low Apron Feeder in the Port of Richards Bay                                                                              |
| <b>TPT</b>                            | For the Supply of Services to Refurbish the PE Manganese Terminal                                                                                  |
| <b>Subtech</b>                        | Struts – Supply and Fabricate for Maputo Port                                                                                                      |
| <b>Transnet Capital Projects TM 1</b> | Fabrication of Foam and Deluge system for Storage Tanks T2108R and T2107R at Island view (Piping)                                                  |
| <b>Transnet Capital Projects</b>      | Sump Tanks, Prover Tanks and Flush Tanks                                                                                                           |

| Mining & Minerals                 |                                                                         |
|-----------------------------------|-------------------------------------------------------------------------|
| <b>Bateman</b>                    | Hope Bay – Canada - Structural Steelwork for Modular plant +/- 300 tons |
| <b>Matomo Mining</b>              | Barberton – Fairview Mine - Tankage, Structural Steelwork               |
| <b>Mopani Mine</b>                | Cold Exchangers for Acid Plant                                          |
| <b>MIP Process Technologies</b>   | 8 Off Thickeners                                                        |
| <b>Andritz Delkor</b>             | Oaky Creek Coal – 35M bolted Thickener                                  |
| <b>Idwala Holdings</b>            | Ore Sorter Project (Conveyors, Structural Steel Works & Vessels )       |
| Pulp & Paper                      |                                                                         |
| <b>Metso ND Engineering</b>       | Sappi Ngodwana- Gocell - Design, Conveyors and Structural Steelwork     |
| <b>Talbot &amp; Talbot</b>        | Sappi Saiccor - Wash Water Clarifier Piping                             |
| <b>ND Engineering</b>             | Sappi Saiccor - Workshop                                                |
| Power & Industrial                |                                                                         |
| <b>Elgin Engineering/ Hitachi</b> | Medupi/Kusile Ducting for Power Station                                 |
| <b>Veolia Water</b>               | Kpone Power Plant - Structural steel fabrication including piping       |
| <b>Hosaf</b>                      | Piping & Supports                                                       |
| <b>Integrity Africa</b>           | Fabrication of Foam and Deluge system for Storage Tanks (Piping)        |

# MARKETS AND CLIENTS

Channel Construction focuses on medium to heavy engineering projects in the following markets:

|                 |                         |                           |                                |
|-----------------|-------------------------|---------------------------|--------------------------------|
| <b>Chemical</b> | <b>Oil &amp; Gas</b>    | <b>Petrochemical</b>      | <b>Mining &amp; Industrial</b> |
| <b>Sugar</b>    | <b>Paper &amp; Pulp</b> | <b>Turnkey</b>            | <b>Shipping</b>                |
| <b>Rail</b>     | <b>Power Generation</b> | <b>Marine &amp; Ports</b> |                                |

## Selected clients



## Tanks and Modular Structures for Transnet and Mining

**SECTOR** Ports, Mining & Minerals | **SITES** Transnet · Barberton · Nickel mine | **SCOPE** Tank fabrication and modular structures



**Transnet: Diversion Tanks**



**Barberton Tailings Plant**



**Transnet: Fuel Storage Tanks**



**Built-in Modular Structures for Crystallisers, Nickel Mine**



## Conveyors, towers and exchangers for process plants

**SECTOR** Process, Mining & Power | **SITES** Wax, coal wash, acid and mining plants | **SCOPE** Process equipment, conveyors and tankage



**Modular Structure for Wax Plant**



**Conveyors for Coal Wash Plant**



**Stainless Steel Drop Separator for Boiler**



**Flush Tanks for Tank Farm**



**Elution Tower for Mining Plant**



**Diversion Tanks**



**Cold Exchangers for Acid Plant**



## Acid plant tanks in the DRC and ducting for Kusile Power Station

**SECTOR** Power & Industrial | **SITES** Democratic Republic of Congo · Kusile Power Station | **SCOPE** Tankage, ducting and bolted thickener



Tanks for Sulphuric Acid Plant, Democratic Republic of Congo



Kusile Power Station: Ducting



Slimes Bolted Thickener

## Piping Upgrades for Mondi, Sappi and NPC in KwaZulu-Natal

**SECTOR** Pulp & Paper | **SITES** Felixton · Umkomaas · Port Shepstone | **SCOPE** Plant upgrades and fuel piping



**Mondi Felixton: Upgrade of Mondi Packaging**



**Sappi Umkomaas: Upgrade of C3 Plant**



**NPC Port Shepstone: Piping for Alternate Liquid Fuel**

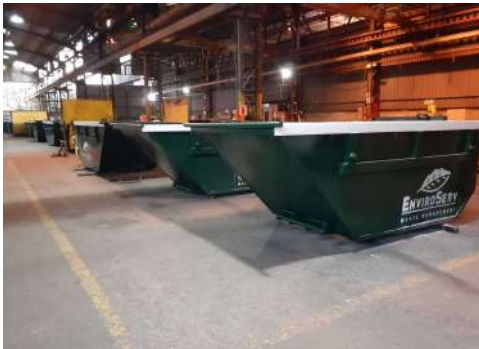
## Rehabilitated the Outer Caisson at Durban's Dry Dock

**SECTOR** Ports & Marine | **SITE** Dry Dock, Port of Durban | **SCOPE** Outer caisson rehabilitation



## Skips, Syncrolift beams and Filtrate Tanks

**SECTOR** Mining, Ports & Process | **SITES** Mozambique · Port of Cape Town · Filtaquip | **SCOPE** Fabrication of skips, beams and 30–60 m<sup>3</sup> tanks



Mozambique: Skips



Lifting Platform Main Beams at Syncrolift Dry Dock, Port of Cape Town

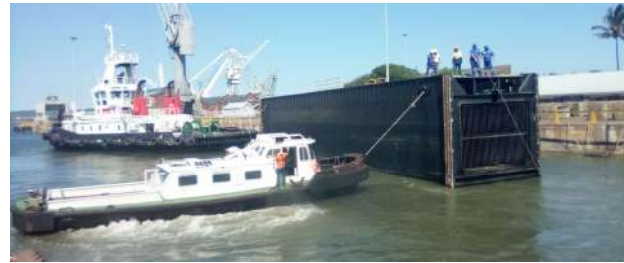


30 m<sup>3</sup> and 60 m<sup>3</sup> Filtrate Tanks for Filtaquip



## Refurbished the Inner Caisson at Durban's Dry Dock

**SECTOR** Ports & Marine | **SITE** Dry Dock, Port of Durban | **SCOPE** Inner caisson refurbishment



## Upgraded the 1,200 ton Slipway Cradle in Port Elizabeth

**SECTOR** Ports & Marine | **SITE** Port of Port Elizabeth | **SCOPE** Mechanical, civil, structural and electrical upgrades

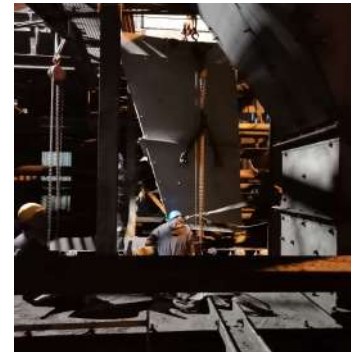


## Materials handling upgrades at the Port of Richards Bay

**SECTOR** Ports & Transport | **SITE** Port of Richards Bay | **SCOPE** Low apron feeder · Mechanical and E, C & I works



Design, Supply and Installation of a Low Apron Feeder, Port of Richards Bay



Construction of Mechanical  
and E, C & I Works for the  
SO<sub>5</sub> to NO<sub>2</sub> Transfer Point,  
Port of Richards Bay

## Steelwork, conveyors and vessels for Idwala's Ore Sorter

**SECTOR** Mining & Minerals | **CLIENT** Idwala | **SCOPE** Supply and installation of steelwork, conveyors and vessels



# Hydraulic Capstans for the Ports of Cape Town and Durban

**SECTOR** Ports & Marine | **SITES** Port of Cape Town · Port of Durban | **SCOPE** Design, manufacture, installation and commissioning



# ACCREDITATIONS

Quality and welding management certified to ISO 9001:2015 and ISO 3834 Part 2



## ISO 3834 Part 2:2021

International Institute of Welding Manufacturer Certification, issued by the Southern African Institute of Welding (SAIW), covering the fabrication of pressure vessels, process equipment, piping, tanks and structural steel.



## SABS ISO 9001:2015

Certificate of Registration issued by the South African Bureau of Standards for our Quality Management System covering the fabrication of steel products.

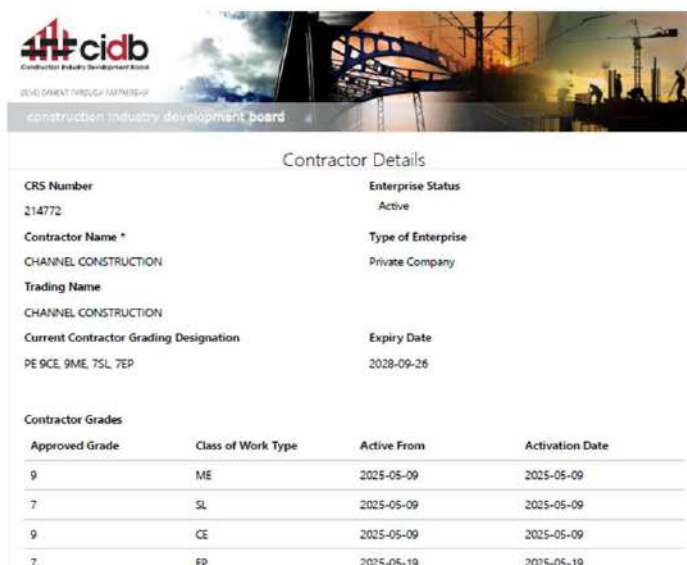
# ACCREDITATIONS

Level 1 B-BBEE contributor and CIDB contractor grading 9ME, 9CE, 7SL and 7EP



## Level 1 B-BBEE Verification Certificate

Independently verified Broad-Based Black Economic Empowerment status, issued by Authentic Rating Solutions. Channel Construction is 100% Black Owned.



## CIDB Contractor Registration

Registered with the Construction Industry Development Board (CRS 214772) with grades 9ME (Mechanical), 9CE (Civil), 7SL (Specialist) and 7EP (Electrical), valid to September 2028.

# CONTACT US

Head office and workshop in Durban, with regional offices in Zambia and Moçambique

## **DURBAN, SOUTH AFRICA • Head Office / Workshop**

180 Rochdale Road, Springfield, Durban, KwaZulu-Natal

Tel: +27 31 205 7401

Email: [enquiries@channelgroup.co.za](mailto:enquiries@channelgroup.co.za)

Web: [www.channelgroup.co.za](http://www.channelgroup.co.za)

## **ZAMBIA**

118 Insurance House, Town Centre, P.O. Box 71231

Tel: +260 212 612 324 (Office)

## **MOÇAMBIQUE**

Av. Mártires de Inhaminga, Gate N° 4, Maputo Port, Workshop A2, Maputo

Registration: 20130000035372



**Steelwork • Mechanical • Electrical • Civil • Instrumentation •  
Piping • Project Management**

**Engineering, Fabrication and Site Erection**

[www.channelgroup.co.za](http://www.channelgroup.co.za)