



# Company Profile

Steelwork, Mechanical, Electrical,  
Instrumentation and Piping

(S.M.E.I.P)

Engineering, Fabrication and Site Erection





**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 the Durban Bayhead area, the workshop and fabrication facilities have over 25,000 m<sup>2</sup> of open and closed space which includes an along side load out quay dredged to 11 meters and a number of boat slipways and access to dry dock.





At **Channel Construction** we aim to deliver manufacturing and engineering projects within budget; on time to exacting standards and to maintain safety and quality standards.

**Channel Construction** has a CIDB grading of 9ME PE and 7SL PE. We are accredited with SABS ISO 9001:2015, as well as a Level 1 B-BBEE status. We are committed to Preferential Procurement Policies whereby we empower small and local businesses.

**Channel Construction** is 100% Black Owned.



**Bucket Wheel**



**Orebin**

# Mission

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

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



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



**Sappi Ngodwana : Structural Steelwork**



**Slimes Bolted Thickener**

# Manufacturing Capabilities



The workshop area is serviced by 4 overhead cranes ranging in capacity of 5 tons 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, but not limited to:

- Welding Machines
- Plate Rolls- roll up to 100 mm thick plate
- Cropper/Shear
- Guillotine – 13m/m thick plate over 3.2m
- Press brakes 300 ton over 4.2m
- Full Blasting and Painting Facilities
- Skyjack
- Bend Press
- Radial Arm Drill
- Mobile Compressor
- Bandsaw Pipe Cutting Machine



**Radial Arm Drill**



**Guillotine**



**Skyjack**

# Workshop Facilities

**Channel Construction** has the full capability to perform site erection projects, offering the following equipment:

- 2 X 60 ton Tadano All Terrain Cranes
- 250KVA Diesel Generators
- Scaffolding
- 50 X 450AMP Welding Machines
- Tank Jacking System
- Forklifts
- Site Vehicles
- Small Tools



Crane Repair

# Site Erection Equipment



Transnet – Diversion Tank



Built-In Modular Structure for Crystallizers for Nickel Mine



| CLIENT                         | PROJECT  | VALUE        |
|--------------------------------|--|--------------|
| Bateman                        | Hope Bay – Canada - Structural Steelwork for Modular plant +/- 300 tons  | R 18 000 000 |
| Transnet Capital Projects TM 1 | Fabrication of Foam and Deluge system for Storage Tanks T2108R and T2107R at Island view (Piping)                      | R 30 000 000 |
| Metso ND Engineering           | Sappi Ngodwana- Gocell - Design, Conveyors and Structural Steelwork  | R 23 000 000 |
| Matomo Mining                  | Barberton – Fairview Mine - Tankage, Structural Steelwork  | R 52 000 000 |
| Mopani Mine                    | Cold Exchangers for Acid Plant   | R 45 000 000 |
| MIP Process Technologies       | 8 Off Thickeners   | R 30 000 000 |
| Transnet Capital Projects      | Sump Tanks, Prover Tanks and Flush Tanks - Design, Fabricate, Pressure Test and Deliver to Site                        | R 15 000 000 |
| Elgin Engineering/ Hitachi     | Medupi/Kusile Ducting for Power Station  | R 50 000 000 |
| TNPA                           | Refurbishment of Dry-dock Caisson - (including Bulge Piping Fabrication and Installation)                              | R30 000 000  |
| Veolia Water                   | Kpone Power Plant - Structural steel fabrication including piping  | R3 000 000   |
| TGC                            | Construction of Mechanical and E & CI works for the SO5 to NO2 Transfer point in the Port of Richards Bay              | R5 503 900   |
| Integrity Africa               | Fabrication of Foam and Deluge system for Storage Tanks (Piping)   | R4 000 000   |
| Hosaf                          | Piping & Supports  | R8 000 000   |
| Mathekane                      | MGC-Mantsonyane Congregation Hall : Completed Structural Steel, Fabrication & Installation                             | R4 500 000   |
| Subtech                        | Struts – Supply and Fabricate for Maputo Port  | R5 000 000   |
| TNPA                           | Port of Cape Town – Repairs to the floating Caisson at Robinson Dry Dock for a period of 3 months                      | R4 000 000   |
| Talbot & Talbot                | Sappi Saiccor - Wash Water Clarifier Piping  | R4 000 000   |
| Andritz Separation             | Thickener Internals  | R1 000 000   |
| Andritz Delkor                 | Oaky Creek Coal – 35M bolted Thickener   | R11 000 000  |
| ND Engineering                 | Sappi Saiccor - Workshop   | R6 000 000   |
| ND Engineering                 | Sappi – Digester skirts  | R2 000 000   |
| ND Engineering                 | South 32 – Tie Beam Connector & Spray lance booth  | R2 000 000   |
| TNPA                           | Redesign, Fabrication, and Installation of Lifting Platform Main Beams at Syncrolift Dry dock in the Port of Cape Town | R25 786 000  |
| TGC                            | Design, Supply, and Install Low Apron Feeder (Phase 1) in the Port of Richards Bay-FEL4                                | R25 326 203  |

## Selected Previous Experience

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

Chemical • Oil & Gas •  
Petrochemical • Mining & Industrial  
• Sugar • Paper & Pulp • Turnkey •  
Shipping • Rail • Power Generation



# Project Experience



**Transnet Diversion Tanks**



**Barberton Tailings Plant**



**Transnet - Fuel Storage Tanks**



**Built-In Modular Structures for Crystallizers for Nickel Mine**





# Project Experience



**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**



# Project Experience



**Tanks for Sulphuric Acid Plant in the Democratic Republic of Congo**



**Slimes Bolted Thickener**



**Kusile - Ducting**



# Project Experience

## Mondi Felixton - Upgrade of Mondi Packaging

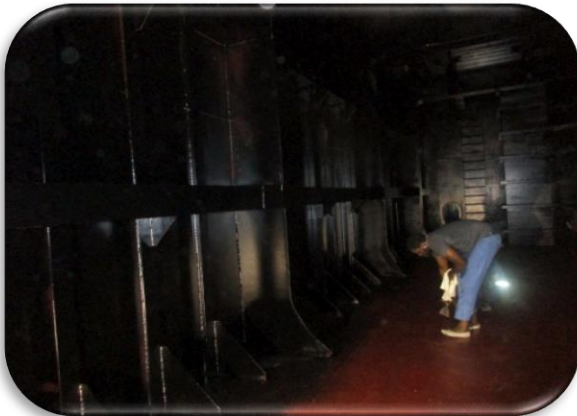


## NPC Port Shepstone - Piping for Alternate Liquid Fuel

## Sappi Umkomaas - Upgrade of C3 Plant



# Project Experience



Rehabilitation of Outer Caisson at Dry Dock in the Port of Durban



# Project Experience



Mozambique - Skips

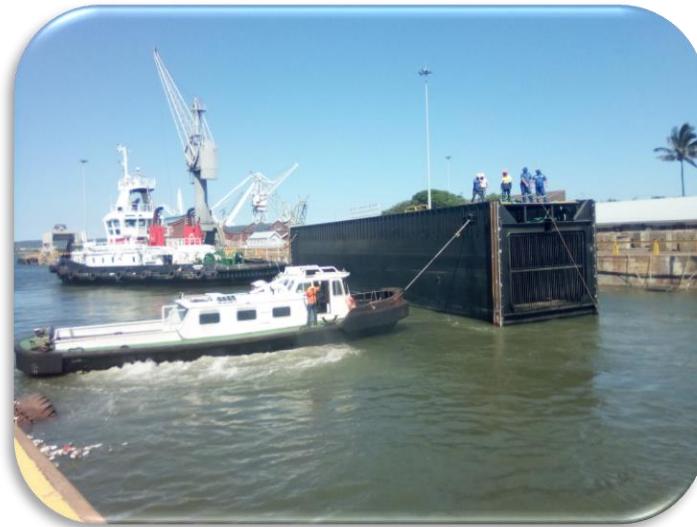
# Project Experience



**Lifting Platform Main Beams at Syncrolift Dry Dock in the Port of Cape Town**



# Project Experience



Refurbishment of the Inner Caisson at Dry Dock in the Port of Durban

# Project Experience



30m³ and 60m³ Filtrate tanks for Filtaquip



# Accreditations



## INTERNATIONAL INSTITUTE OF WELDING



Having satisfied the requirements of the  
IIW Manufacturer Certification Scheme  
according to ISO 3834

**Company:** Channel Construction  
**The Unit:** Fabrication Workshop  
**Located in:** 3 Clydebank Road, Bayhead, Durban, Kwa-Zulu Natal  
is certified in accordance with



### ISO 3834 Part 2

**For the product(s):** Pressure Vessels, Pressure Equipment, Pressure Piping,  
Tank/Containers and General Structural Steel

with the scope of work stated in the attached Schedule

**Certificate number and revision status:** ZA-180/1 – Rev. 0

**First issue date:** 08/03/2018

**Current issue date:** 06/05/2021

**Date of expiry:** 07/03/2024

**ANBCC Governing Board Representative**  
John Tarboron

SAIW Certification  
52 Western Boulevard  
City West  
Johannesburg  
South Africa

**Scheme Manager**  
Herman Potgieter

**SAIW**  
Certification

**sanas**  
SAS 9001:2015



This Certificate is subject to the rules established by IIW  
for the certification of Companies





## IIW Manufacturer Certification Scheme



### SCHEDULE

Schedule Revision Date 07/03/2024 Rev. 1

Related to Certificate Number ZA-180/1 Rev. 0

#### Product/Construction standard(s)

ASME VIII / ASME B31.1 / ASME B31.3 / AWS D1.1 / AWS D14.1

Alternative Standard(s) (refer to ISO 3834-5, clause 2.1 b)

#### Welding Process(es) (ISO 4063)

MMA (111) / MIG/MAG (131/135) / TIG (141) / FCAW (136) / SAW (121)

#### Parent Material Group(s) (ISO/TR 15608)

1 / 8 / 11

#### Responsible Welding Coordination Personnel Name (Qualification) (1) Job Title (2)

| Name (Qualification) (1) | Job Title (2) | Technical knowledge (3) |
|--------------------------|---------------|-------------------------|
| M Razak                  | RWC           | Specific                |

ANBCC Governing Board Representative  
John Tarbolton

Scheme Manager  
Herman Potgieter



The standards and documents referred in the certificate and  
schedule are those valid at the time of certification





## Accreditations

# SABS

### *Certificate of Registration*

*This is to certify that the Quality Management System of*

**CHANNEL CONSTRUCTION (PTY) LTD**  
**Co Reg. 2004/009100/07**  
**DURBAN**

*has been assessed and found to  
satisfy the requirements of*

**ISO 9001:2015**

**QUALITY MANAGEMENT SYSTEMS - REQUIREMENTS**

*In respect of*

**THE FABRICATION OF STEEL PRODUCTS**

**NOT APPLICABLE CLAUSE:**

**8.3 DESIGN AND DEVELOPMENT OF PRODUCTS AND SERVICES**

This certificate, including the schedule which forms an integral part thereof:  
- Is issued without alteration;  
- Is identified by the applicable registration number;

- Is subject to any condition or limitation contained therein;
- Is valid subject to ongoing compliance with certification requirements;
- Bears the embossed SABS Commercial seal. In the absence of the seal, the certificate and the schedule shall be invalid; and
- The certificate may be authenticated by referring to the register of "Certified Clients" on the SABS Commercial website ([www.sabs.co.za](http://www.sabs.co.za))

Registration Number **LS 3809**

Effective Date **07 December 2021**

Expiry Date **28 November 2024**

Date of Original Registration **29 November 2006**

Chief Executive Officer



CR18

SABS COMMERCIAL SOC LTD  
101 Lombard Street, 3rd Floor  
Durban, KwaZulu-Natal  
Registered South Africa

A4M0013881



# Accreditations



PO Box 3242, Somerset Park, 4021 • Tel: 031 572 7800 / Fax: 036 586 9125  
Email: info@aaa-bee.co.za • www.aaa-bee.co.za

## CHANNEL CONSTRUCTION (PTY) LTD

### QUALIFYING SMALL ENTERPRISE (QSE) CERTIFICATE

# LEVEL 1

Registration Number 2004/009100/07  
Physical Address 3 Clydebank Road, Bayhead, Durban, 4000  
Certificate Number AAA/QSE/0069 Rev 0  
Applicable Code Amended Construction Sector Code - Contractor  
(Government Gazette Number 41287)

| B-BBEE SCORE PER ELEMENT                          | ACTUAL SCORE                       | TARGET SCORE | B-BBEE STATUS                      |            |
|---|------------------------------------|--------------|------------------------------------|------------|
| Skills Development                                | 18.00                              | 24           | Black Ownership                    | 100%       |
| Preferential Procurement and Supplier Development | N/A                                | 29           | Black Female Ownership             | 5%         |
| Procurement Recognition Level                     | 135%                               |              | Black Designated Group             | 0%         |
| Y.E.S Enhancement Applied                         | NO                                 |              | Black Youth                        | 5%         |
| Y.E.S Target & 2.5% Absorption                    | NO                                 |              | Black Disabled                     | 0%         |
| 1.5 x Y.E.S Target & 5% Absorption                | NO                                 |              | Black Unemployed                   | 0%         |
| Double Y.E.S Target & 5% Absorption               | NO                                 |              | Black People living in Rural Areas | 0%         |
| Enhancement Applied                               | NO                                 |              | Black Military Veterans            | 0%         |
| Discounting Principle Applied                     | NO                                 |              | Black New Entrant                  | 100%       |
| Modified Flow Through Principle                   | NO                                 |              | Empowering Supplier                | YES        |
| Exclusion Principle Used                          | NO                                 |              | Issue Date                         | 21/01/2022 |
| VAT Number  | 4840214920                         |              | Expiry Date                        | 20/01/2023 |
| Financial Year Used                               | 01 January 2021 – 31 December 2021 |              | Re-Issue Date                      | N/A        |

*Rampthal*

R. Rampthal  
Technical Signatory



This rating certificate is based on information provided to AAA BEE Verification Agency by the measured entity and represents an independent opinion based on the verification and analysis completed by AAA BEE Verification Agency.



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#### Contractor Detail

Print

#### Contractor Detail

|                  |                      |                     |                 |
|------------------|----------------------|---------------------|-----------------|
| CRS Number:      | 214772               | Status:             | Active          |
| Contractor Name: | CHANNEL CONSTRUCTION | Type of Enterprise: | Private Company |
| Trading Name:    | CHANNEL CONSTRUCTION | Expiry Date:        | 2022/09/26      |

#### Contractor Grades

|        |                                 |
|--------|---------------------------------|
| Grade: | 9ME PE, Update Date: 2021/12/15 |
| Grade: | 7SL PE, Update Date:            |

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[Website technical enquires contact](#)

# Contact Us

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## **ZAMBIA:**

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Tel: +260 212 612 324 (Office)

## **MOÇAMBIQUE:**

Registration : 20130000035372

Av. Martires de Inhaminga, Gate N° 4, Maputo port,  
Workshop A2, Maputo, Mocambique

