

ON-SITE SERVICES COMPANY PROFILE



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How We Move South Africa Forward PRODUCTS AND SERVICES

Structural steel

1. Turnkey project management and control
2. Supply of material, fabrication and installation of complete structures and components in all sizes in accordance with customer drawings and specifications
3. **We specialise in the following:**
 - Light to heavy steel structure fabrication for all industries
 - Erection of structural steel components
 - Installation of sheeting



Civil work

- Turnkey project management and control
- General building and infrastructure maintenance
- Structure integrity inspection
- Structure repair work
- Earthworks
- Excavation work
- Concrete work
- Road maintenance and repair work
- Bricklaying and plaster work
- Plumbing
- Carpentry work
- Painting
- Material supply
- We have machining facilities available (light to heavy)



STRUCTURAL STEEL & CIVIL WORK

How We Move South Africa Forward

PRODUCTS AND SERVICES

Specialised welding

Overlay welding

In addition to standard welding processes and manufacturing Swissbay can also do corrosion resistant weld overlays and wear resistant weld overlays. We can offer high quality wear plates that provide our customers with solutions for different abrasion applications even at high temperatures.

Some of the main hard facing applications include:

- Hammers
- Tips
- Reclaimer bucket reinforcement
- Screw conveyer weld up

Swissbay also offer corrosion resistant overlays in Stainless steel, Duplex stainless steel, Nickel alloys and Copper-Nickel alloys.

The overlay welding processes is as follows:

- GTAW (manual and automated)
- SMAW
- GMAW
- SAW (wire or strip cladding)

Weld repair welding

Swissbay offers weld repair of castings and refurbishment of mining equipment such as dragline buckets, walking cams, screw conveyers, reclaimer buckets, crusher tyres etc.



Pipe system fabrication and installation as follows:

1. Turnkey project management and control
2. Material supply, fabrication, coating and installation of piping and systems in accordance with international codes of manufacturing, international standards, local standards and client specifications including PER and OHSAS
3. **Typical materials are as listed but not limited:**
 - Carbon steels low temperature and normal applications
 - Stainless steels (all types)
 - Duplex and Super duplex stainless steels
 - Chrome-moly materials such as 15NiCoMoNb5 (WB36), 15Mo3, P5, P9, P91 etc. Nickel alloy materials
 - Cu alloy materials Monel Inconel etc
 - Titanium alloys
4. All pipe supports and structural supports
5. All flanges and fittings
6. Valves etc.

PIPE SYSTEMS

SPECIALISED WELDING



How We Move South Africa Forward CLIENTS

Short list of clients we have worked with on projects and maintenance over the last 30 years in industry:

- Arcelor Mittal
- Anglo Platinum mines
- Anglo Coal mines
- BHP Billiton-Coal mines
- Columbus Stainless Steel
- Engineering companies
- Eskom
- Exxaro
- Highveld Steel
- IMS Crushers
- SENMEN
- Khumani mines
- Kaeser compressors
- Megchem
- Multiserve
- NAMPAC
- Omnia
- Portnet/Transnet
- SASOL Infrachem group
- SASOL Group Technology
- SASOL SIGMA mines
- Vaal Sanitory

SUCCESS FACTOR:

- Reduce overhead costs
- Develop new products while maintaining high quality of existing products
- Find and retain high value customers
- Create and maintain highest level of customer satisfaction



CLIENTS

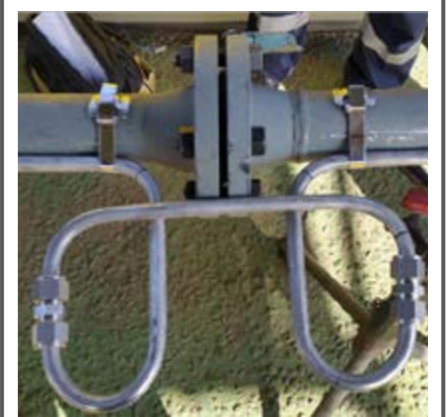


Large bore pipe manufacturing

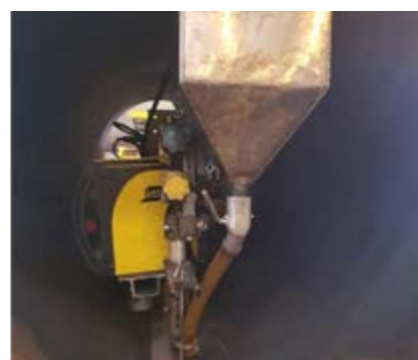
Fabrication



Welding bays for Carbon and Stainless steel (SEGREGATED)



Steam tracing in progress



Submerged arc welding (SAW) - 900mm ID



Stainless steel tube bundles



Stainless steel tanks



Mitre/Lobster bend



FABRICATION



Penstock Inlet for fine ash dam



Vessel head weld repair



CO2 Gas line for steel coke ovens



Tube/Tubesheet welding



Plate mill pressure casting repair



Fabrication & Repair



Chute with liners



Earthmoving Equipment Hardfaced



Hardfaced reclaimer bucket

FABRICATION & REPAIR

4km Of HDPE toe drain, ringmain and ash line. HDPE fittings fabricated in workshop. Lines field welded and installed



Welding bays for Carbon and Stainless steel (SEGREGATED)



Flanged HDPE pipespools



HDPE field weld



Fabrication & Repair



FABRICATION & REPAIR

Installation of structure, vessels, piping and equipment including civil work for chemical plant



Grub and clear along slope for excavation and installation of penstock line and to drain the main line



Installation of 600mm Dia CO2 pipe line to coke ovens

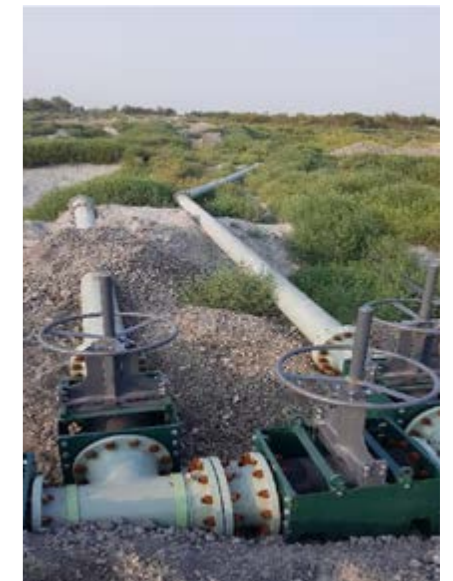
Construction & Installation

CONSTRUCTION & INSTALLATION

Penstock inlet with access platform. Penstock line with cast concrete anchor supports. Penstock line down dam slope towards water dam. Total length of penstock line is 1400m. Line internally and externally coted.



Ash distribution station and pie on top of dam. Ash inlet valve station at bottom of dam. Special pinch slurry valves installed. New lines tied into existing supply lines from boiler house.



CONSTRUCTION & INSTALLATION



Current workshops in use:
5 Schonland street
Duncanville
Vereeniging
Sand blast and painting facilities on-site
Large laydown area available on site Easy access for large trucks.



Workshop A
≈1600m²
4 x 3,2T Cranes
Lifting capacity using 2 cranes = 6T ≈6m under hook
3 Phase electricity



Workshop B
≈1600m²
4 x 10T Cranes
Lifting capacity using 2 cranes = 20T
≈9m under hook
3 Phase electricity



How We Move South Africa Forward

Swissbay implemented OHSAS 18001 and ISO 14000 standards for Manufacturing, Fabrication, Welding, Maintenance and Installation Services.

Our safety personnel are well trained and highly experienced, with Management commitment to SAFETY at all times.

Apart from our own internal surveillances and scheduled audits our system is regularly audited by our clients proving our compliance with the minimum regulatory and statutory requirements.

Swissbay implemented a full Quality Management system in accordance with ISO 9001 ; 2015.

Swissbay implemented ISO 3834 Part 2 welding fabricator system for Pressure Vessels, Tanks, Heat exchangers, Piping and Structures, Mining Equipment & Chutes.



**HEALTH, SAFETY,
ENVIRONMENT &
QUALITY STANDARDS**

SAFETY FIRST



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