Introduction

Fabricon Pipe and Labour Hire cc forms part of the engineering industry concentrating on on-site & off-site development, repair work and maintenance contracts. The business is a close corporation with the member being directly involved in the day to day operations of the business. The member’s experience has been welcomed in the industry because of their superb job management skills. Their extensive experience in the petro-chemical industry has been fundamental in securing work from corporate companies such as Transnet, Natcos, Engen, Sulzer SA, Sappi, Mondi, Illovo Sugar, Anglo Mines etc.

We have segmented our main objects into six categories as follows:

- Pipe Fabrication/Installation and Steel Erection (Workshop Component Manufacture and Site Fabrication and Installation)
- Rotating equipment (Pumps, Motors) overhaul, management of change, selection of new equipment, service/ manufacture of spare parts.
- Installation, and
- Laser alignment
- Recruitment, Selection, Placements and Outsourcing
- Condition Monitoring.

Members

Name: Selwin Swartz
Job Titles: Managing Members
Qualifications & Experience of Selwin Swartz
- Diploma – Mechanical Engineering
- Diploma – Supervisory Management
- Project Management- Mechanical Installation
- Project Planning (Maintenance and Construction)
- Foundations skills of interactive Management
- Industrial Relations

Name: Chantell Swartz
Job Titles: Managing Members
## Company Profile

### Corporate Headquarters

**Location of company**

OFFICE AND WORKSHOP

Unit 9, Maryhill Road
Austerville Industrial Park
Jacobs

**Telephone number**

+27 31 – 461 5174
+27 31 – 461 1580

**Fax number**

+27 31 – 468 52 19

**Cell**

082 853 5040
072 299 8395

We are capable of rendering our speciality service to the following industrial sectors, among others:

- General Industry
- Mining
- Petrochem
- Pulp and Paper
- Power Generation
- Sugar

### Industrial Sectors

### Professional Associations

Members and Professional Associations:

- Selwin Swartz - Associate Member of South African Institution of Mechanical Engineering.
- Fabricon Pipe and Labour Hire – Durban Chamber of Commerce
- Fabricon Pipe and Labour Hire – Construction Industry Development Board in Mechanical, Structural and Civil Engineering.
  - Fabricon Pipe and Labour Hire – ISO 9001/2008 Accredited
Statutory Registration

Trading as: Fabricon Pipe and Labour Hire CC.
Nature of business: Mechanical, Civil Engineering and Outsourcing
VAT: 4840183224
P.A.Y.E: 754/07/3402/9
U.I.F: 463262/5
Workman’s Compensation: 0333-613-1340
CIDB: 115597, 7MEPE, 6CEPE, 5SLPE
Banking Details: F.N.B-Overport City-Current Account-62008996889
Contact no.s: 031-4615174 or 0828535040 or 0722998395
Members: Selwin Swartz, Chantell Swartz
SARS: Valid IRP30 and tax clearance certificate
BBBEE: A level 1 with 135% procurement recognition, A value adding contributor.

Resources

Labour

A large portion of the Company’s resources is the labour. Fabricon employs the highest caliber staff which will act in the best interest of the business. The staff are trained and assessed in the relevant disciplines that they are placed in.

Machinery

All machinery and equipment required over and above the present resources are hired as and when required. This makes economic sense as it is cost efficient. There is no transfer of unnecessary overhead costs to the client.
FABRICON PIPE & LABOUR HIRE CC

Grading

**CIDB**: 115597, 7MEPE, 6CEPE, 5SLPE
**BBBEE:** A level 1 Company with 135% procurement recognition, Value Adding.
Company Profile

Accreditations

SABS: ISO 9001 2008 Accredited.
FABRICON PIPE & LABOUR HIRE CC

Membership

South African Institution of Mechanical Engineering: Associate

[Image of membership certificate]

Selwin Quinton Swartz has been duly elected to the Grade of Associate of The South African Institution of Mechanical Engineering On 24th November 2009

Membership Number: 700313

[signature] President
[signature] Secretary
Fabricon Pipe and Labour Hire was established in 1990. The company places huge focus on creating opportunities of employment within previously disadvantaged communities as well as seek opportunities to engage with emerging contractors and suppliers.

We seek to participate meaningfully in the economy and social developments of our country.

We are a progressive and innovative professional firm, with a wide range of services to clients.

Our strategic approach enables us to meet the challenges of change in the modern commercial environment, whilst allowing us to provide sound business advice and at the same time actively seeking out opportunities for future growth and business success.

- Tailor-made services to suite clients
- Affordability of services
- Intensive customer care, i.e. strong monitoring and after care service, and
- Management expertise.

There are a multitude of fundamentals which constitute our business strategy. They can be summarized as follows: -

- Continuous market analysis
- To continuously seek ways and means to improve our services.
- To continuously look for ways and means of communicating with our market.
- To ensure the well being of our personnel which allows clients to concentrate on the core business.
**Company Vision**
South African Internationally renowned Champion in Fabrication and Mechanical Engineering Solutions.

**Company Mission**
To achieve our vision we need to pursue the following success drivers:

To provide the highest level of service in fabrication and erecting of structural steel, fabrication and installation of pipes, service and repairs to rotating equipment, installation and laser alignment of new and existing equipment, condition monitoring and the supply of Labour.

**QUALITY POLICY STATEMENT OF FABRICON PIPE AND LABOUR HIRE CC.**
The Managing Director of FABRICON PIPE AND LABOUR HIRE CC is committed to a policy of total quality and excellence in everything we do, and shall ensure that this policy as well as ISO 9001 based quality systems are reviewed on a regular basis for continuing suitability that is understood, accepted, implemented and maintained throughout FABRICON PIPE AND LABOUR HIRE CC. FABRICON PIPE AND LABOUR HIRE CC shall provide satisfactory products structural steel, piping fabrication, pumps laser alignment, as well as all General Engineering.

We shall strive to satisfy all customers by keeping standards and continually improving our Quality Management System. Management has recognised the necessity to maintain the Quality Management System to enhance the overall profitability of the Company and add value to our customers and business.

In fulfilment of this policy FABRICON PIPE AND LABOUR HIRE CC shall ensure that products and services are supplied to meet their intended purpose and performance criteria in accordance with our customer specifications and requirements.

The quality objectives will be established and renewed annually for effectiveness and suitability. These objectives will be directed towards our success drivers.
1. Fabrication and Steel Erection
   - Component Manufacture- Carbon Steel and Stainless Steel
   - Site fabrication- Carbon Steel and Stainless steel Piping.

2. Rotating equipment
   - Turbines
   - Compressors
   - Gear boxes
   - Pumps
   - Motor
   - Generators

3. Laser Alignment by Pruftechnik Matserlign Equipment.
   - Turbines
   - Compressors
   - Gear boxes
   - Pumps
   - Motors
   - Generators

4. Installation
   - New installations and Sales of Rotating Equipment and plant systems to manufacturers specification with a skilled workforce.
   - Implementation of quality systems and project progress management to ensure customer satisfaction.
5. Recruitment, Placements and Outsourcing

- Recruiting & Outsourcing of labour viz. Managers, Admin. staff, Inspectors, Foreman, Qualified artisans, skilled, semi-skilled and unskilled labour.
- Hire of labour in all fields.
- We offer a strong technical support service to all clients to which labour is supplied.

- While serving all industries, we recognize that each industry and each client within each industry has unique requirements. To this end our specialized division has the experience necessary to meet the specific needs of each client.
- Our commitment to providing a total solution includes full responsibility for the quality of staff employed and the performance and effectiveness of the staff supplied. Therefore, screening and selection procedures are strictly adhered to.
- Our highly trained staff carry out strict verification procedures in terms of skills, experience and character referencing on all staff employed.

6. Condition Monitoring

- Maintenance Proposals
- Reliability Proposals
- Insitu Balancing
- Equipment Analyzing
Projects Undertaken

• Petronet Crude Pump Stations-
  Motor and Base Plate Upgrades.

The Scope of Work covered the removal, transportation, stripping and assessing, refurbishment, testing, de-rating, re-certification, delivery, installation, electrical cabling, cold and hot commissioning of Electrical Motors installed at Existing Pump Stations on the Crude Oil Pipeline.

The WORK was performed at the existing pump stations along the Crude Oil Transfer Pipeline System between Durban and Sasolburg:

Fynnlands  Hillcrest  Howick  Ladysmith  Newcastle  Quagga

Overview of Work Scope
• Removal of Existing Motors
• Refurbishment of motors where required
• Relocation of the motors to their respective future services
• Modifications to the existing pump set bases couplings and lube oil systems as required
• Installation and alignment of the relocated/refurbished motors
• Disconnection and removal of existing 3.3kV cabling.
• Supply and installation of cable racking.
• Installation and termination of the new earth cabling to relocated motors
• Modifications to the existing switchgear
• Setting, testing and certification of the 3.3kV electrical switchgear and protection relays and equipment.
• Disconnection, calibration, cold commissioning and hot commissioning of all equipment involved in the Work.
• Provision of all personnel, facilities and equipment as required.

Project was carried out to the specifications and boundaries of the Scope of Work as required.
Projects Undertaken

- **Petronet Crude Prover Upgrade**
  Kendal & Fynnlands Pump Stations
  
  Remove existing 24” x 150# Crude Prover from Kendal
  Modify the Kendal Prover
  Install the modified prover at Fynnlands Pump Station
  Tie-in of pipe work from the 4-way valve on prover to existing valves
  Dismantle and remove old prover loop
  Electrical & Instrumentation installation with SCARDA modifications
  Modifications and re-casting of Civils
  Prover Loop Dimensions: 14m X 24” Piping.
Projects Undertaken

- **Petronet Secunda Pump Station Upgrade.**

**Mechanical and Civil Works**

- Re-elevate Proving unit for consistent piping elevations and ease of valve maintenance.
- Installation of new de-aerators, strainers and valves for dedicated product lines.
- Upgrade to pump manifold, Manufacture and install new base plates, pumps and motors.
- Civil works for upgrade entailed design works, and construction of plinths for new pump set, de-aerators, strainers and bund wall and floor areas.
- Complete piping fabrication and installation including structural works.
- Access to carry out work introducing new equipment to plant is done during shutdown periods in order not to affect operational requirements. The success is thorough planning, preparation and execution. Doing it right first time.
• Petronet Ladysmith Pump Station
  Prover Upgrade Project

  Mechanical and Civil Works

  • Construction of new floor and bund area to receive new prover, pumps, and tanks.
  • Construction of plinths for prover structure.
  • Installation of triple u prover.
  • Demolition of existing ram prover and associated equipment.
  • Manufacture and install new transfer tanks.
  • Installation of new transfer and blending pumps.
  • Relocate valves as per P&ID.
  • Complete piping fabrication and installation including structural works.
  • Access to carry out work introducing new equipment to plant is done during shutdown periods in order not to affect operational requirements. The success is thorough planning, preparation and execution. Doing it right first time.
Projects Undertaken

• Natcos Berth 9 Island View Durban
  Marine Loading Arm Replacement
  Mechanical, Civil, E&I Works
  • Demolition of old marine loading arms.
  • Civil construction works for new marine loading arms.
  • Electrical and Instrumentation works to receive new marine loading arms.
  • Manufacture and installation of new stainless steel sump tank.
  • Installation of new marine loading arms in conjunction with Manufacturer as part of guarantee.
  • Complete piping fabrication and installation including structural works.
Projects Undertaken

- **Transnet Pipelines Witbank Pump Station**

  **Telephase 2 Upgrade Mechanical Works**

  - Re-elevate Proving unit for consistent piping elevations and ease of valve maintenance.
  - Installation of new de-aerators, strainers and valves for dedicated product lines.
  - Install new base plates, pumps and motors.
  - Upgrade to tank nozzles from 2” to 6” to accommodate new lines.
  - Complete piping fabrication and installation including structural works.
  - **Access to carry out work introducing new equipment to plant is done during shutdown periods in order not to affect operational requirements. The success is thorough planning, preparation and execution. Doing it right first time.**
Projects Undertaken

- Moses Mabhida Stadium Durban South Africa – Roof Structure Jigging
  - The manufacture of jigging gear for the assembly of the iconic roof arch.
  - Support services for the roof structure project i.e site welding of roof supports and machining to components, modification to parts to site specific requirements.
Projects Undertaken

- **KSIA 16” Fuel Hydrant Line Repairs**

  - We pleased to have carried out repairs to defective welds on a 16” Fuel Hydrant Line in Durban.
  - We received a go ahead and started on site preparation on the 07th January 2010. This was based on 4 fabrication teams working day shift on welds repairs and denso wrapping. It was also instructed for us to have a night shift running from 14th Jan 2010 with 2 teams per shift.
  - By then we had mobilized to verify 300 weld repairs. The scope increased to verify all welds (+1500 on a 8km 16” line) on site due to no traceability. Due to new excavation and mechanical damage evident on pipelines it was required by AIA that MPI be carried out on all welds. Total labour compliment to execute the required task in the time frame at that stage was 300 workforce.
  - The project was successfully and handed over on 01 May 2010.
Projects Undertaken

- **Sapref Berth 6 Island View Durban**
  Marine Loading Arm Installation-
  Mechanical Works

- Fabricon are pleased to have been awarded another project for the installation of 4 x Marine Loading Arms at Durban Island View Berth 6.
- The project scope was the Mechanical pre-assembly, and Instrumentation for the preparation for the new arms i.e. pre-assembly of arms prior to installing, pressure testing, hydraulic tubing installation, hydraulic system flushing and commissioning,
- The installation of the new arms and commissioning support in conjunction with the manufacturer.
- The project was a success and completed on time.
Projects Undertaken

- **Transnet Pipelines Tarlton Depot**
  - **Road and Rail Loading System**
  - **Mechanical and Civil Works**
  - This project entailed the completion and certification of a rail and road loading system that was not completed by others.
  - The scope of work included but was not limited to,
    - The fabrication and installation of piping systems,
    - The fabrication and installation of piping support systems including all grouting.
    - Installation of pumps through to grouting and laser alignment.
    - The completion of the fire protection system at the gantry’s.
    - The supply of valves and the servicing and certification of existing strainers and air eliminators.
    - The re-certification of existing pipelines by Positive Material Identification to existing materials by spark testing methods, NDT to existing welds and pressure testing the system.
Projects Undertaken

- **Transnet Pipelines Langlaagte Depot**
  
  The Design and Construction of 3 no. 12m3 Tanks for the Diesel, LRP and ULP Transfer Systems.

- This project was to design, supply, fabricate, manufacture, inspect, test and deliver 3 no. prover transfer tanks.
- Applicable Standards were SANS 10089-1, ASME IX, and ASME VIII Div.1.
- The scope of work included but was not limited to,
  - Design and have design and calculations reviewed and approved,
  - Appoint an AIA,
  - Supply all ancillaries,
  - Manufacture Tanks and Platforms,
  - Corrosion Protection,
  - Certify,
  - Deliver to Site
Projects Undertaken

- **Transnet Pipelines Secunda Pump Station**
  
  **KDC Upgrade Project Phase 1**
  
  - This project entailed the completion of the project previously started in 2006.
  - The scope included Design, Manufacture Main Line Pump Base Plates.
  - Design and Manufacture a central lubrication system for the main line pump/motor sets.
  - Demolish existing bund floor and walls and re-construct new bund floor and walls.
  - Install the new base plates, pumps and motors for the Main Line pump System.
  - Manufacture and Install Platforms,
  - Pre-plan, fabricate and introduce new piping in stages at windows of opportunity.
  - Corrosion Protection, Commission and Hand Over