



# COMPANY PROFILE 2020



## COMPANY OVERVIEW

Gute engineering provides Engineering, Procurement, Construction , Project Management and Dismantling of mining and metallurgical equipment mostly in the mining industry. From humble beginnings as the engineering arm of Airite Sheet Metal cc t/a Suntech Geomet Laboratories (Suntech), this department grew to become a standalone enterprise (now called Gute Engineering “Gute”) when its scope of services expanded. Gute is a fast growing Engineering company within the African and metallurgical mining industries.

Gute has links with developers of novel technologies and continues to play a role in providing practical solutions to its clients

## BACKGROUND

The engineering division of Airite Sheet Metal cc (now “Gute”)’s responsibility was to support Suntech with engineering services such as designing and manufacturing pilot plants as well as carrying out planned and breakdown maintenance on laboratory equipment. This division also offered similar services to Suntech clients. The scope of service rapidly expanded beyond the normal borders of a laboratory support service when clients sought services of higher latitude owing to the superb quality offered . To date, this engineering division handles work of much bigger scope hence the decision to upgrade it into a standalone company (“Gute”).

## VISION

To become the Process Engineers of choice globally.

## MISSION

To create value through delivery of sustainable engineering solutions, excellence and walking the talk.

## CORE VALUES

Gute values its stakeholders and upholds an inclusive and diverse organisational culture built upon some critical core values.

**Equality** - We are impartial.

**Transparency** - We have nothing to hide.

**Integrity** - Honesty and openness are key in our delivery.

**Teamwork** - One plus one equals three.

**Communication** - Effective communication is key in our business.

**Technology** - We are developers of novel technologies.

## OUR SERVICES

- Engineering workshop services,
- Specialist project management,
- Multidisciplinary engineering,
- Procurement and logistics management,
- Dismantling and
- Construction services.

## DISMANTLING & PACKING

Gute are experts in evaluating and dismantling Metallurgical process plants, packing and logistics of the same for re-use.







**Concentrator (before dismantling)**



**Concentrator during dismantling**

#### **DETAILED ENGINEERING DESIGN**

Gute offers multidisciplinary support across the full range of detailed engineering design. We fully understand the significance of world class technologies regarding infrastructure, plant layouts, equipment design, performance and safety as related to productions. Therefore, it is our philosophy that proper design and layout of infrastructure is imperative to maximise efficiency both in design (CAPEX) and Operations (OPEX).

#### **TECHNICAL, ECONOMIC AND FINANCIAL CONSULTANCY**

We provide clients with technical, financial, and economically optimised solutions to ensure project advancements to final phases. To serve our clients' diverse requirements, we provide solutions in all disciplines of electrical, civil,

process, mechanical, geotechnical, and environmental services over the complete lifecycle of a project.

### OPERATIONAL MAINTENANCE

Gute has embraced the industry trend towards outsourcing the operational aspects of minerals processing and can provide a complete operations solution. It is able to guarantee continuity of production, has the flexibility to manage exceptional conditions and is able to remain focused on the specifics of the operation under its control to ensure that it achieves the financial and quality goals of the contract. All operating contracts are supported by Gute's engineering, procurement and logistics teams, and have full access to our in-house fabrication facility.

### PROCUREMENT MANAGEMENT

Gute's procurement service provides sourcing solutions that balance total cost, delivery time and quality for all the projects. With the use of state-of-the-art software, we manage the specification, qualification, estimation, scheduling, and delivery of all required materials. We leverage on our international procurement expertise and global supplier networks to provide the best value for our clients. The procurement's role ensures that all Gute's projects systematically apply industry best practices that include:

- Adequate resourcing.
- Proficient internal control.
- Coordination between departments (engineering, project controls and construction).
- Optimal contract administration processes inspection/expediting.
- Logistics/insurance/customs processes and
- Effective use of procurement systems.

### CONSTRUCTION MANAGEMENT

Gute utilises a combination of its own workforce and locals to perform construction activities on site. We find this model (Partial-Self-Perform Construction Model) cheaper as the local general labourer workforce is not in need of accommodation, living out allowances, food, and transport. Where needed, Gute hires expatriate labour at cost, for and on behalf of the client to supplement own and local labour.

When operating in remote locations, Gute specifies and supplies all the necessary construction equipment, vehicles, and tooling for the various teams. This approach allows for substantial construction cost savings, efficient construction schedules, greater oversight of the project, improved quality control, and ensures that highest health and safety standards are in place.

### **COMPETITIVENESS**

### **QUALITY AND DELIVERY**

Gute services are guaranteed by solid principles of workmanship that put the client's needs at the core of our deliverables. From the onset, all projects are adequately resourced, and deliverables are tagged to solid Key Performance Indicators (KPIs) and Trackers that guide output, quality, and time during execution to ensure that satisfactory service that meets or exceeds customers expectations is always delivered.

### **PRE-FEASIBILITY AND BANKABLE FEASIBILITY STUDIES**

Gute provides comprehensive Technical and Business assessments for Mining and Metallurgical projects from **Scoping** to **Bankable Feasibility Study (BFS)** levels. With an engineering team that boasts world-class expertise in Mineral processing plants and Project development, we offer our clients complete multi disciplinary design and management services. We boast of our ability to deliver solutions on technically challenging projects and studies.

### **SYNERGY AND AFFILIATION**

Gute harbours the unique advantage of being affiliated to industry experts and market leaders. Drawing from its synergy with Suntech and other technical specialists Gute is a market leader and delivers the best solution to its clients.

### **PROJECT MANAGEMENT**

The Gute team consists of specialised Project Managers and Engineers with a wealth of experience in executing minerals beneficiation projects in Africa. Our projects delivery culture is largely characterised by a sustainable and collaborative

management style that ensures Directors are actively engaged in running of all projects.

#### **MULTI-DISCIPLINARY ENGINEERING**

Gute boasts of a substantial combined years of multi disciplinary engineering experience. Over the years, Gute's engineers have gained a wealth of experience in implementing fit-for-purpose and cost-effective engineering design solutions. Gute's fully integrated engineering design software allows for intelligent value-adding processes throughout the design life cycle and is key to delivering projects efficiently.

#### **ENGINEERING WORKSHOP FACILITIES**

Gute owns and operates a workshop in Johannesburg, South Africa with renowned capabilities in mechanical and 3D draughting, structural fabrications, machining, equipment assembling, commissioning and maintenance. To date, the workshop has successfully designed, fabricated, assembled, and commissioned plants, water and slurry reticulation systems in Africa. The workshop keeps a team of artisans ready to travel to our clients' sites on short notice to attend to breakdowns.

## PROJECTS COMPLETED & FOOTPRINT

Gute has extensive expertise in developing projects across different environments around Africa. Our continued presence within SADC and West Africa is reinforced by high levels of success in delivering practical solutions for value of money. To date, Gute has completed and/or is completing some or all of the following.

### DESIGN, MANUFACTURE, ASSEMBLE, AND COMMISSION

Project Name & Company	Project details	Project value (\$)
Mazowe Sands Plant Metallon Zimbabwe	Design, manufacture, supply, install & commission a Water reticulation system (Pumps, storage tanks running ~2.5km (2015 to 2017),	\$ 2 000 000.00
Mazowe Sands Plant Metallon Zimbabwe	Design, manufacture, supply, install & commission a Slurry mining, transportation, and screening system for mining 2000 tons per day (2015 to 2017),	\$ 2 400 000.00
Mazowe Sands Plant Metallon Zimbabwe	Design, manufacture, supply, install & commission a Motor control centre for (2015 to 2017)	\$ 1,200 000.00
Elvington Gold mine ZMDC, Zimbabwe	Design, manufacture, supply, install & commission a Water cannon with capacity to produce a 30 bar water stream continuously turning 360° around the pivot for Elvington Gold mine (2015)	\$ 50 000.00



## BUSINESS RESCUE AND TURN AROUND

Gute spearheaded the resuscitation of the following projects.

Project Name & Company	Project details	Project value (\$)
Elvington Gold mine ZMDC, Zimbabwe	Resuscitated and commissioned the Elvington Sands Plant for gold recovery by CIL (2015)	\$ 2 000 000.00
Samira hill gold mine, Niger (for BCM Ghana)	Resuscitated and commissioned Exploration, Mining and Metallurgical Operations at Samira Hill Gold mine in Niger (Ongoing)	\$ 22 400 000.00

## DISMANTLING

Dismantling, tagging, packing and logistics of the Sibanye PSA2 concentrator plant equipment and structures for re-use at Mimosa in Zimbabwe,

Project Name & Company	Project details	Project value (\$)
Mimosa Mining Company, Zimbabwe	Evaluation, dismantling, tagging, packing and logistics of the the Marikana Aquarius PSA2 concentrator for re-use in Zimbabwe (Ongoing)	\$ 5 000 000.00

Dismantling, the Marikana Aquarius PSA2 concentrator



Concentrator (before dismantling)



Concentrator during dismantled

## MODIFICATIONS AND RETROFITS

Project Name & Company	Project details	Project value (\$)
Zimplats Selous Metallurgical Complex (SMC)	Modification (Design, manufacture, retrofit and commission) of Zimplats Selous Metallurgical Complex pilot plant,	\$ 50 000.00
Mimosa Mining Company, Zimbabwe	Design, manufacture, logistics, installation & commission a 55m <sup>3</sup> agitated concentrate mixing tank (Ongoing)	\$ 133 000.00
Mazowe Sands Plant Metallon Zimbabwe	Design, manufacture, logistics, installation & commission a 105m <sup>3</sup> Process water tank (2015)	\$ 150 000.00

Agitated concentrate tank manufacturing in progress



## DETAILED ENGINEERING DESIGNS

Gute is currently busy with detailed engineering design (Process, Mechanical, Electrical & Instrumentation etc) of Metallurgical Plants (Milling, Flotation, Gravity and CIL circuits) for **several** metallurgical operations in West Africa vis a viz.

Project Name & Company	Throughput	Project value (\$)
Nzema, Ghana BCM Ghana	200 000 tons per month ROM Ore (ongoing)	\$ 55 000 000.00
Konongo, Ghana BCM Ghana	40 000 tons per month (Ongoing)	\$ 32 400 000.00
Samira Hill, Niger BCM Ghana	200 000 tons per month (still at Metallurgical testing stage)	\$ 55 000 000.00
Poura Gold Mine, Burkina Faso	120 000 tons per month (Still at concept stage) - Ongoing	\$28 000 000.00
Buchanan Iron Ore processing plant, Liberia	300 000 tons per month metallurgical plant (Starting with detailed Process & Engineering designs) - Ongoing	\$70 000 000.00

## DESIGN, MANUFACTURE, ASSEMBLE, AND COMMISSION OF METALLURGICAL PILOT PLANTS

Project Name & Company	Project details	Project value (\$)
Pilanesburg Metallurgical Pilot Plant (Pilanesburg Platinum Mine)	Design, manufacture, supply, install & commission of a 2 ton per hour pilot plant comprising, milling, flotation, UFG, dewatering and sampling (2013),	\$ 2 000 000.00
Mazowe Sands Plant Metallon Zimbabwe	Design, manufacture, supply, install & commission of a benchtop flotation pilot plant for Mazowe Sands Plant (2016),	\$ 2 400 000.00
Tempob Recovery (South Africa)	Design, manufacture, supply, install & commission a 10 ton per hour Flotation pilot plant comprising (Crusher, milling, flotation, dewatering and sampling (2017)	\$ 1,200 000.00
Suntech Geomet Labs South Africa	Design, manufacture, supply, install & commission various pilot plants. <ul style="list-style-type: none"> <li>• Flotation,</li> <li>• Spiral,</li> <li>• DMS plants,</li> <li>• GRG plants on trailers</li> </ul>	\$ 5 000 000.00

**Mazowe Sands Plant Pilot plant**



**Suntech Geomet laboratories pilot plant**



**“We walk the talk”**



54 Tennyson drive  
Thulisa park  
Johannesburg, Gauteng, South Africa  
2197



CONTACT US  
BRIGHTON GWAVAVA (TECHNICAL CONSULTANT AND MANAGING DIRECTOR)



[www.guteh.co.za](http://www.guteh.co.za)    [info@guteh.co.za](mailto:info@guteh.co.za)    Cell - +27 76 102 4182 / Tel - +27 11 233 4234