



TANZANIA

INTEGRATED ENGINEERING SOLUTION COMPANY LTD



**COMPANY
PROFILE**



TANZANIA

**INTEGRATED ENGINEERING SOLUTION
COMPANY LTD**

ABOUT US	01
MISSION / VISION	02
CORE VALUE	03
SERVICES	04
GEOLOGY AND RESOURCES	04
ENVIRONMENT AND COMMUNITY	06
MINING ENGINEERING	07
MINERAL PROCESSING ENGINEERING	08
CIVIL AND STRUCTURAL ENGINEERING	09
ELECTRICAL ENGINEERING	10
MECHANICAL ENGINEERING	11
SPECIAL SERVICES TO THE MINING INDUSTRY	12
TEAM	14
CLIENT	26
PROJECTS	28
PROJECTS – CASE STUDIES	30

ABOUT US

Tanzania Integrated Engineering Solution Company Ltd (TIES) is a private company limited by shares and is wholly owned by Tanzanians. TIES was established on April 18th, 2019 (Certificate of Incorporation No. 139070410) under companies Act, 2002; under the laws of The United Republic of Tanzania. It is also registered with Tanzania Revenue Authority (TRA) with Tax payer Identification number (TIN), 139-070-410.

The core business of the company is CONSULTANCY SERVICES in all engineering related activities (i.e., Geology, Mining, Mineral Processing, Environment, Electrical, Civil, Telecom, Mechanical, etc).

TIES employs high calibre Senior staff and use her local and international affiliations to support our team in providing unique solutions to clients anywhere in the region.



OUR MISSION

Generate and raise sustainable value for clients projects and products through application of best engineering practices and at very competitive prices.

VISION

To be the first-choice service provider in engineering and related fields for local and multi-national clients of all categories (i.e small, medium and large). We shall achieve our goals by living our company values

CORE VALUES

- 
- Integrity
 - Professionalism
 - Commitment
 - Care For Safety
 - Environment

SERVICES



GEOLOGY AND RESOURCES

Our geological team has a wealth of experience in working with most mineral occurrences and our reporting is in line with international reporting requirements.

We are committed to providing critical advice and practical solutions for the sustainable management of mineral resources. We review, assess, design, and implement exploration programmes to answer critical geological questions while adhering to exploration budgetary constraints.

We find, delineate, and estimate the size and quality of mineral deposits using techniques that minimize risks, cut costs, and reduce time frames.

For new mining projects or investment, our specialist team can provide a comprehensive, integrated approach to viability studies (including scoping, feasibility and prefeasibility), due diligence reviews, economic evaluations, and risk assessments. Our experts integrate complex datasets to generate and refine targets and identify controls on mineralization.

The exploration services we provide include target generation, field mapping and analysis, remote sensing and geophysics, geochemistry, mineral system modelling, exploration project management, audits and valuations, exploration strategy and governmental advice, health and safety guidance, and programme implementation. Our key services in this department include:



- Geological reconnaissance surveys across mining licence areas
- Detailed surface geological mapping for target generation and prospect evaluation
- Integrated geochemical and geophysical surveys and interpretation
- Design, planning, supervision, and management of drilling programs
- Advanced geological mapping using Atomic Mineral Resonance Tomography (AMRT)
- Hydrology and hydrogeological investigations to support mine planning and environmental compliance



ENVIRONMENT AND COMMUNITY

We provide comprehensive environmental and community-focused services designed to ensure sustainable project development, regulatory compliance, and positive stakeholder engagement across mining and industrial sectors.

- Environmental Impact Assessments (EIA) and Environmental and Social Impact Assessments (ESIA)
- Preparation and implementation of Environmental Management Plans (EMP) and Monitoring Programs
- Baseline environmental studies covering air quality, water resources, soil, biodiversity, and noise
- Mine Closure Planning (MCP) and rehabilitation strategies to restore ecological balance.
- Water resource management, including sustainable usage, contamination prevention, and treatment solutions.
- Waste management planning, including hazardous waste handling and disposal compliance.
- Community engagement and stakeholder consultation programs to build trust and address concerns for mining and other industrial projects.
- Social impact assessments and development of community development initiatives (CDIs).
- Regulatory compliance audits and support for permits, licenses, and reporting requirements.
- Occupational health and safety (OHS) advisory and training programs tailored for environmental risks





MINING ENGINEERING

TIES offers a wide variety of services to the mining industry, ranging from specific equipment to overall mining system requirements, as well as from feasibility studies through to mine closure plans. Our experience with all types of mining projects, from resource estimation through to mine decommissioning, ensures innovative, cost effective, and environmentally acceptable solutions.

TIES mining engineers assist in planning, managing, evaluating, analysing and improving mining operations to optimise performance and enhance return on investment. Our unbiased advice to clients is based on our extensive knowledge and our comprehensive practical experience.

Our team has considerable mine planning experience and high-level competency in 3D modelling, Whittle, Surpac, Mine 2-4D, Talpac, Micromine and XPAC software along with expert scripting and programming skills. As a result, we offer innovative and tailor-made mining engineering solutions for each unique challenge in our dynamic industry. Our key services in this department include:

- Mine Planning and Production Scheduling
- Mining Equipment Selection and Sizing
- Geotechnical Investigations and Rock Mechanics
- Design and Management of Blasting Operations for surface and underground mining
- Explosives Supply and Management
- Mine Ventilation Design and Installation (Underground Operations)

MINERAL PROCESSING ENGINEERING

Our metallurgical team is experienced in most mineral processing aspects (i.e. base and precious metals, industrial and energy minerals, diamonds, and rare earth elements). Based on their strong operational experience for typical projects, our team can advance your project from metallurgical sample identification and sampling to engineering design, construction and commissioning. We will work closely with you to develop value-adding, cost effective and quality process solutions that will maximize the economic returns on your project. Our key services in this department include:

- Laboratory and pilot plant test work
- Mineral Processing Flowsheet Development
- Equipment Selection, Sizing, and Procurement Assistance
- Design, Installation, and Commissioning of Mineral Processing Plants
- Mineral Processing Plant Modelling and Simulation
- Plant Optimization and Performance Improvement
- Plant Performance Audits and Technical Due Diligence
- Plant Expansion, Upgrade, and Debottlenecking Studies



CIVIL AND STRUCTURAL ENGINEERING



We deliver robust, compliant, and sustainable civil and structural engineering solutions that underpin mining and industrial infrastructure, supporting project safety, efficiency, and longevity. Our key services in this department include:

- Design and construction of Tailings Storage Facilities (TSFs) for mineral processing plants, ensuring environmental compliance and structural integrity
- Comprehensive geotechnical site investigations tailored for mining operations and construction projects
- Engineering design and construction of heavy-duty foundations for industrial machinery and equipment
- Structural design and construction of residential, commercial, and industrial buildings
- Civil maintenance and rehabilitation work, including roads, drainage systems, and building infrastructure
- Land surveying services for accurate site mapping, layout, and project planning in mining and construction environments.
- Preparation of detailed Bills of Quantities (BoQs) for buildings, roadworks, and machinery foundations.
- Cost estimation and planning for demolition and decommissioning of buildings, industrial facilities, and civil structures



10 ELECTRICAL ENGINEERING:

TIES recognises herself as leader rather than follower in technical advances and sustainability in electrical engineering solutions. Our comprehensive services include energy audits, demand assessment, supply and system resilience, utilities consultancy and sustainable electrical engineering design. Other services include:

- Design and construction of medium and high-voltage (MV/HV) substations, switchyards, and power distribution networks for industries and mineral processing plants.
- Turnkey installation and commissioning of large diesel and gas generators, transformers, and backup power systems industries, mines and mineral processing plants.
- Installation and maintenance of safety systems, including gas detection, fire suppression, and emergency communication networks.
- Servicing, installation, and rewinding of industrial motors, variable frequency drives (VFDs), and PLC control systems for conveyors, crushers, grinding mills, and other heavy machinery.
- Comprehensive energy audits and optimization for milling, pumping, ventilation, compressed air, lighting, and HVAC systems, including power factor correction.
- Installation and maintenance of surveillance systems such as CCTV, security alarms, and electronic access control.



MECHANICAL ENGINEERING:

When you need consultancy services from a trusted mechanical engineering firm, you can count on TIES. Our state-of-the-art engineering services, our ability to understand industrial real problems as well as our capacity to provide the right mechanical engineering solutions, set us apart from our competitors. Our team of professional mechanical engineers, along with experienced mechanical designers, provide cutting edge services in process and facilities mechanical systems.

- Fabrication and Erection of Structural Steel Works for Industrial facilities
- Fabrication, Installation, and Maintenance of Pipelines and Tanks
- Installation, Repair, and Maintenance of Industrial Piping Systems
- Fabrication, Installation, Commissioning, and Maintenance of Mineral Processing Plant Equipment
- Erection, Maintenance, and Repair of Compressor and Metering Stations



SPECIAL SERVICES TO THE MINING INDUSTRY

We provide integrated advisory, technical, and project delivery services to support mining investments, regulatory compliance, operational sustainability, and long-term value creation.

Training and Short Courses for Mining and Non-Mining Professionals

- Basic and Advanced Financial Modelling for Mining Projects
- Occupational Safety, Health, and Human Rights Programs for Artisanal Mining Communities
- Cyanide Management for Small and Medium-Scale Gold Processing Plants
- Metallurgical Accounting and Reconciliation
- Geomodelling and Mineral Resource Estimation
- Design and Optimization of Communication Circuit Operations Using MODSIM
- Training on General Mining Industry Compliance and Regulatory Requirements
- Training for Mineral Processing Operators on Operation Procedures and Sampling Techniques

New Mining Investment Support

- Comprehensive support in mineral tenement administration, including acquisition, renewal, and management of statutory compliance such as annual rent payments and reporting.
- Strategic liaison with government authorities and regulatory bodies to facilitate permitting, approvals, and maintain institutional relationships through meetings, briefings, and compliance follow-ups.
- Management of regulatory document submission and retrieval across various government offices, ensuring timely compliance and proper documentation control.
- Specialized recruitment, onboarding, and deployment of technically qualified personnel for exploration and mining projects, supplying geologists, mining engineers, mineral processing engineers, surveyors, technicians, environmental officers, and support staff tailored to project needs.
- Conducting and Reviewing Prefeasibility, Basic Feasibility and Bankable Feasibility Studies for mining projects



Specialized Services to Artisanal and Small-Scale Gold Miners

- Training on improved mineral processing methods (cyanide free), safe chemical handling, equipment selection, and metallurgical accounting to optimize gold recovery.
- Guidance on pollution control, waste management, regulatory compliance, and mine rehabilitation to minimize environmental impact.
- Occupational safety training, provision of protective equipment, and programs addressing human rights and community wellbeing.
- Practical training on mining operations, financial literacy, business management, and assistance with cooperative formation.
- Geological mapping, resource estimation, and assistance with mineral rights and regulatory compliance.
- Support for responsible gold sourcing, value addition, and connecting miners to ethical markets.

Mineral Processing Plant Installation Services – CIP/CIL Plants for Gold and Flotation Plants for Base Metals and Industrial Minerals

- Engineering Design of Mineral Processing Plants
- Selection, Sizing, Procurement and Supply of Mineral Processing Plant Equipment
- Engineering, Procurement, Construction, and Commissioning (EPCC) project delivery
- Design, Construction and Commissioning (DCC) project delivery
- Engineering, Procurement, Construction and Management (EPCM) project delivery

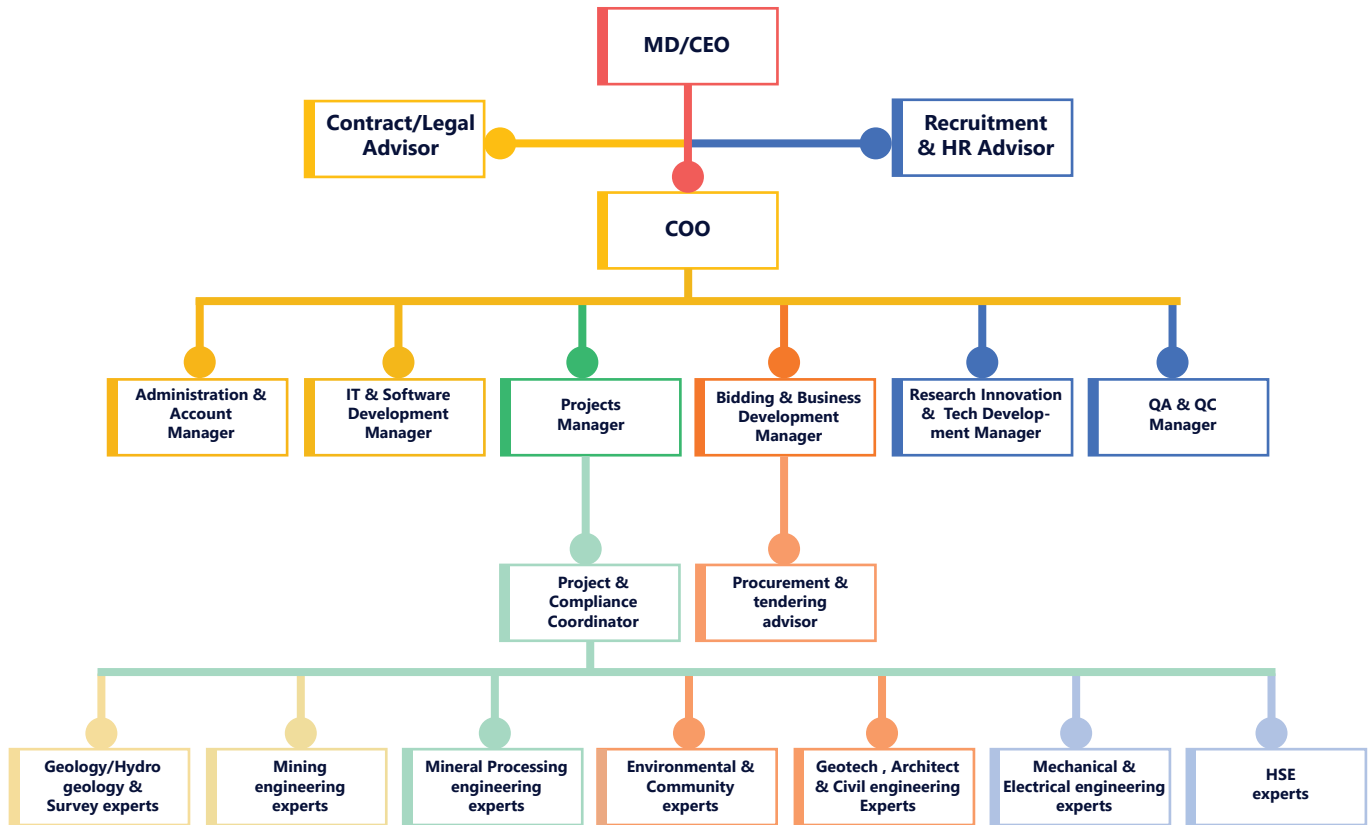


OUR TEAM

TIES's technical team comprises of experienced professional geologists and engineers with over ten-year experience in consulting industry locally and internationally. We can timely develop optimum solutions to engineering projects of all magnitudes.



TEAM STRUCTURE



Dr. Alphonse Wikedzi, PEng (T)

Managing Director



Dr. Wikedzi has more than 15 years' experience as consulting Mineral Processing Engineer with specialization in design and optimization of mineral processing systems, comminution and mineral liberation.

He has an extensive experience on Mining Projects Feasibility studies, Mining Projects Risk Assessment, Mineral processes flowsheet development, Mineral Processing Plant design, Mine Closure Plan, Tailing's storage facility design and stability analysis as well as Mineral Processes simulation and Optimization.

He has previously worked as metallurgist in different mining companies in Tanzania, Sweden and Germany.

He has also extensive experience in the application of key mineral processing softwares such as MODSIM, JksimMet, MLA Dataview, USIMPACK and HSC Sim.

He holds BSc. degree in mineral processing engineering from the University of Dar es Salaam, MSc. degree in Minerals and Metallurgical Engineering from Lulea University of Technology (Sweden) and PhD in Mineral Processing Engineering from Freiberg University of Mining and Technology (Germany).

He is also registered with Tanzania Engineers Registration Board (ERB) as professional mineral processing engineer.

Eng. Edson A.H Kafwimbi

Operation and Technical Services Manager



Eng. Edson A.H. Kafwimbi is a Metallurgy and Mineral Processing Engineer with expertise in mineral processing plant design, metallurgical auditing, geochemical investigations, and mining project feasibility studies. He holds a BSc in Metallurgy and Mineral Processing Engineering from the University of Dar es Salaam (2018-2022) and is a registered Graduate Metallurgist and Mineral Processing Engineer (ERB, GE1111556).

Since joining Tanzania Integrated Engineering Solutions (TIES) in 2022, he has worked with mining companies, NGOs, and academic institutions, providing consultancy in gold and base metal extraction, process optimization, and mine closure planning. His expertise extends to tailings storage facility (TSF) design, geochemical studies, and environmental management.

Eng. Kafwimbi has led geochemical studies for mine closures at Mbeya Cement and Buzwagi Gold Mine, conducted tailings characterization for Eagle Mining TSF, and supervised the Buziba CIP project for Mwamba Mining Limited. He has also managed ASGM operations and process plant activities at Matundasi ASM Co. Ltd. and Kidayi Gold Project.

With a strong focus on innovation and sustainability, Eng. Kafwimbi is dedicated to advancing efficient mineral extraction processes and responsible mining practices. His contributions continue to drive technological improvements and environmental stewardship in the mining sector.

Eng. Josia Komogo

Principal Metallurgist



Josia Komogo has more than 30 years' experience in the mining industry and with extensive experience in crushing/grinding/classification, hydrometallurgy/leaching (CIP/CIL), froth flotation, solid-liquid separation and gravity concentration.

He has previously worked as Metallurgical Superintendent for African Barrick/Acacia Mining, AngloGold Ashanti-Geita Gold Mine, Buckreef Mining and Maaden Gold and Base Metals (Saudi Arabia).

He holds BSc. degree in Chemical and Process Engineering from University of Dar es Salaam and has also undertaken several trainings locally and internationally such as Modern Assay Laboratory Practices, Commercial Assay laboratory operation and Plant Commissioning Experience, Metallurgical testworks Interpretations, Project Management course, Extractive Metallurgy of Gold and Metallurgical Accounting Principles.

He is a registered professional engineer with Tanzania Engineers Registration Board (ERB) as well as a member of the Institution of Engineers Tanzania (IET).

Eng. Nesphory Paul

Principal Mining Engineer



Paul Nesphory has over 19 years' experience as a mining engineering professional across mineral extraction and processing operations. He has extensive expertise in mine planning, operations management, process optimisation, reserve development and capital project execution, covering the full mining lifecycle from feasibility and design to production optimisation.

He currently serves as Senior Mining Engineer (West Africa) at a mid-tier gold producer, where he oversees operational performance, blend strategy execution, plant optimisation and mine-to-mill coordination.

Paul holds an MBA and is a certified Project Management Professional (PMP®), in addition to being a registered Professional Engineer (P.Eng.). He is professionally registered with the Engineers Registration Board of Tanzania (ERB) and is committed to advancing sustainable and high-performing mining operations in East Africa.

Dr. Zainab Jamidu Katima

Manager Environment



She is both a chemical engineer and environmental expert with more than 12 years of experience in environmental science and auditing, air pollution control, modelling and monitoring as well as design, optimization and establishment of chemical processing industries. She is registered as an Environmental Impact Assessor (Environmental expert) by National Environment Management Council (NEMC)-NEMC/ EIA/ 0390 and Environmental Auditor NEMC/ EA/ 0183. Also she is a member of the Institute of Directors Tanzania (IoDT)-No. 1555.

She has also attended several short course trainings on various programs and among being Proposal and Scientific Writing, Centre for Climate Change Studies (CCCS), Livingstone Beach Resort, Bagamoyo-Tanzania in 2013, Consultancy Project Execution, University of Dar es Salaam in 2020 and Risk Management in Project Management by Institute of Engineers Tanzania in 2014.

She holds BSc. degree in Chemical and Process Engineering from the University of Dar es Salaam, MSc. degree in Environmental Sanitation from Ghent University (Belgium) and PhD in Environmental Management from Tshwane University of Technology (South Africa).

Aviti Gabriel Leopard

Environment Engineer



Mr. Aviti Leopard is an Environmental Engineer with more than seven years of experience in environmental management, particularly within the mining and crude oil pipeline construction sectors.

He possesses specialized expertise in Environmental and Social Impact Assessments (ESIA), water quality management, integrated waste management, and environmental risk mitigation. His work includes the operation and monitoring of potable water treatment systems, soil bioremediation, biodiversity conservation during mining, and supervision of environmental compliance in national protected areas.

He has contributed to several high-impact projects, including roles as Environmental Officer at STAMIGOLD Biharamulo Mine and as Field Environmental Coordinator for the East Africa Crude Oil Pipeline (EACOP) with China Petroleum Pipeline Engineering Co. Ltd. He is also a registered Environmental Expert authorized to lead environmental studies and impact assessments, with practical involvement in project planning, environmental auditing, and stakeholder engagement.

He is registered with the Engineers Registration Board (ERB) and certified by the National Environmental Management Council (NEMC) to conduct environmental and social impact assessments.

Eng. Method Yusuph Ngosha

Principal Electrical Engineer



Method Yusuph Ngosha is an Electrical Engineer with over five years of experience in electrical, telecommunications, and renewable energy projects. His expertise spans electrical system design, installation, commissioning, ICT infrastructure planning, and fiber optic installations.

He has contributed to major projects including solar panel installations, power system upgrades, GPON FTTx deployment, and data center infrastructure setup, working with organizations such as Viettel Tanzania PLC, Sinoma East Africa Ltd, and East African Cables Ltd. He is proficient in AutoCAD and various industry-standard planning tools.

Method holds a Bachelor's Degree in Electrical Engineering and a Diploma in Electronics and Telecommunication Engineering

Eng. Joshua Mwasamboma

Electrical Engineer



Joshua S. Mwasamboma is an Electrical and Electronic Engineer registered by the Engineers Registration Board as a Graduate Engineer.

He has over two years of experience in electrical power systems, having worked at GIPER Electrical Engineering and TIES, where he handled LV/MV distribution network design, transformer installations, rural electrification projects, and system commissioning. He is proficient in AutoCAD, MATLAB, and committed to delivering safe, high-quality engineering solutions.

Hussein Mambosasa

Geologist



Mambosasa Hussein is a skilled Geologist and Mine Site Manager with experience in mineral exploration, core logging, and mining operations. He specializes in geological mapping, drilling supervision, grade control, and ensuring safe and efficient site operations.

He has worked on gold, phosphate, and limestone projects in Tanzania, contributing to resource identification, sampling, and data analysis. His role includes managing site activities, coordinating teams and implementing QA/QC procedures.

He is proficient in geological data interpretation and tools such as GIS and logging software.

He holds a Bachelor's Degree in Oil and Gas Engineering and a Diploma in Geology and Mineral Exploration.

Beatrice Mushi

Geologist



Beatrice Mushi is a professional geologist with over five years of experience in the geology and mining sector, holding a Bachelor of Science in Applied Geology.

Her expertise spans geological mapping, mineral exploration, drilling campaign supervision, grade control, and geological data analysis and reporting. She is passionate about applying geological science to practical exploration and mining challenges, with a strong track record in QA/QC procedures, resource estimation support, and adherence to Environmental, Health, and Safety standards. Beatrice consistently delivers high-quality technical input and field-based solutions that contribute to project success.

Eng. Bomani Lameck

Warehouse and Logistics Manager



More than 20 years' experience as Warehouse and Logistics Specialist with specialization in procurement, supply chain management, inventory control, and warehouse operations in mining and construction projects.

Extensive experience in supervising warehouse activities, budget control, BOQ preparation, inventory reconciliations, stock ageing management, and EHS compliance. Previously worked as Project Warehouse and Logistics Controller at Chajago Engineering for Barrick Bulyanhulu, Senior Warehouse Supervisor at Mota-Engil and Byrnegut Offshore, and Senior Engineering Warehouse Controller at Tanzania Breweries Ltd and Geita Gold Mining. Extensive experience in ERP systems (Syspro, Flow Centric, Coswin, Mainpac, Sun, Emesa), bid evaluations, negotiations, stocktaking, and team leadership under pressure.

Eng. Iddy Salehe Juma

Mechanical Engineer



More than 10 years' experience as Maintenance and Project Planner with specialization in preventive maintenance, condition monitoring, and project execution in mining and cement industries. Extensive experience in developing maintenance strategies, spare parts control, scheduling, condition monitoring programs, preventive maintenance, shutdown planning, and ensuring QA/QC and OEM compliance.

Previously worked as Maintenance & Project Planner at Matongo Goldmine Ltd and Tanga Cement Plc, and Maintenance Supervisor at Saint Gobain Loddia Gypsum. Extensive experience in vibration analysis, NDT methods, CMMS (SAP, FIIX), CBM software (Condmaster Ruby, SPM), plant machine repairs, and team management.



Eng. Gabriel Mwaijande Paul

Senior Civil Engineer

He is a Professional Civil Engineer and Assistant Lecturer in Geotechnical Engineering with over five years of experience in geotechnical site investigations, foundation design, laboratory soil testing, and numerical modeling. His consultancy portfolio covers geotechnical investigations for tailings storage facilities, pile foundations, bridges, and multi-storey buildings across Tanzania.

He holds an MSc in Geotechnical Engineering from the University of Leeds and a BSc in Civil Engineering from the University of Dar es Salaam. He is proficient in Plaxis 2D/3D, GeoStudio, and COMSOL, and is a registered Professional Engineer with the Engineers Registration Board of Tanzania (Reg. No. 7057).



Eng. Jeremiah Lushona

Civil Engineer

Eng. Lushona is a qualified Civil Engineer holding a BSc in Civil Engineering from the University of Dar es Salaam, registered with the Engineers Registration Board of Tanzania as a Graduate Civil Engineer (Reg. No. GE1114129).

His expertise covers geotechnical investigation, foundation risk assessment, structural design, and the design and supervision of Tailings Storage Facilities and dams. He has gained valuable experience across various civil engineering firms in Tanzania and is proficient in AutoCAD Civil 3D, Plaxis, STAAD Foundation Advanced, Slide2, GEO5, and Strater, enabling him to deliver technically sound and safety-compliant engineering solutions.

OUR CLIENTS



God Mwanga
Gems Ltd



Knauf Gypsum
Tanzania



CATA Mining
Company Ltd



MWAMBA

MWAMBA
Mining



Shanta
Gold



Kamal
Mining



Katavi Mining
Company LTD



The Impact
Facility



ShanDong LuQiao
Group CO. LTD



Hainan
Mining



Solidaridad East
and Central Africa



Synergy Tanzania
Limited

OUR CLIENTS



**Itracom Fertilizers
LTD**



**Minjingu Mines
and Fertiliser LTD**



**Polygold Company
LTD**



**Maweni Limestone
LTD**



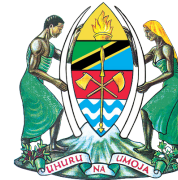
**MO
Graphite**



**Jitegemee
Holdings CO LTD**



**STAMIGOLD
Company LTD**



**The Treasury
Registrar**



**JEMA Africa
LTD**



**Marmo E Granito
Mines (T) Ltd**

SUCCESSFUL PROJECTS

PROJECT TITLE	CLIENT
Design, Construction and Commissioning (DCC) of a 120 tpd Carbon-In-Pulp (CIP) Gold Processing Plant and TSF at Nyarugusu in Geita Region.	Mwamba Mining Limited
Design, Construction and Commissioning (DCC) of a 196 tpd Carbon-In-Pulp (CIP) Gold Processing Plant and TSF at Mhalo, Mwanza Region.	Jema Africa Limited
Design, Construction and Commissioning (DCC) of a 196 tpd Carbon-In-Pulp (CIP) Gold Processing Plant and TSF at Mwakitolyo, Shinyanga Region.	Jema Africa Limited
Design, Construction and Commissioning (DCC) of a 196 tpd Carbon-In-Pulp (CIP) Gold Processing Plant and TSF at Pemba, Mvomero district in Morogoro Region.	Jema Africa Limited
Designing and supervising the construction of a tailing storage facility (TSF) for the 150 tpd Copper flotation plant at Dirifu, Mpanda in Katavi region.	Jema Jione Company Limited
Tailings Storage Facility (TSF) Design and technical studies at Katoro in Geita Region.	Eagle Brand Mining Investment and Management Co. Ltd
Tailings Storage Facility (TSF) Design for a Graphite Flotation Plant (Site A) at Handeni in Tanga Region.	Godmwanga Gems Limited
Management and Supervision of ASGM Operations and VAT leaching plant at Kidayi in Morogoro Region.	Kamal Mining Limited
VAT leaching Processing plant optimization and performance improvement for a Copper Rich Gold Ore at Chunya in Mbeya Region.	Matundasi ASM development Co. Ltd
Design and Fabrication of 130 Mercury retorts for ASGM in Tanzania and Kenya	Solidaridad and The Impact Facility
Ore reserve estimation for Phosphate deposit in Arusha Region.	Minjingu Mines and Fertilisers Co. Ltd

SUCCESSFUL PROJECTS

PROJECT TITLE	CLIENT
Pit and Waste rock dump design and Optimization in Arusha Region.	Minjingu Mines and Fertilisers Co. Ltd
Ore reserve estimation, Pit and Waste rock dump design and Optimization, and site geochemical investigation in Arusha Region.	Minjingu Mines and Fertilisers Co. Ltd
Diamond Drilling exploration work on Limestone mining activities at Ilagala village, Kigoma region.	Maweni Limestone Limited
Diamond Drilling exploration work on phosphate at Babati in Manyara Region	Itracom Fertilisers Co. Ltd
Bankable Feasibility Study for Graphite project at Simanjiro in Manyara Region.	Mo Graphite Tanzania Limited, Metl group
Environmental Impact Assessment for proposed Quartz Mining Project at Mangae ward at Mvomero in Morogoro region.	Tramic Industrial Mineral Resource Company Limited
Feasibility study for Tin project at Kyerwa in Kagera Region	Bao Tai Mining Limited
Environmental Impact Assessment (EIA) for proposed Tin mining project at Kyerwa in Kagera Region	Bao Tai Mining Limited
Financial Modeling for mining project – A short course	NDC, Mzinga Cooperation, STAMIGOLD e.t.c
Joint professional short course training on Metallurgical accounting systems and reconciliation	Institution of Engineers Tanzania (IET)
Mining closure plan (MCP)	Mawen Limestone LTD, CATA Mining Company, Polygold Company LTD



PROJECTS

CASE STUDIES

CIP GOLD PROCESSING PLANT & TSF – MHALO

CLIENT: JEMA AFRICA LIMITED

LOCATION: MHALO, MWANZA
REGION, TANZANIA

PLANT CAPACITY: 196 TPD

COMMODITY: GOLD

SCOPE: DESIGN,
CONSTRUCTION &
COMMISSIONING (DCC) OF CIP
PLANT AND TAILINGS STORAGE
FACILITY (TSF)







**CIP GOLD
PROCESSING PLANT &
TSF**

CLIENT: MWAMBA MINING LIMITED

LOCATION: NYARUGUSU, GEITA
REGION, TANZANIA

PLANT CAPACITY: 120 TPD

COMMODITY: GOLD



SCOPE: DESIGN, CONSTRUCTION
& COMMISSIONING (DCC)
OF CIP PLANT AND TAILINGS
STORAGE FACILITY (TSF)



TSF DESIGN & CONSTRUCTION SUPERVISION

CLIENT: JEMA AFRICA LIMITED

LOCATION: MHALO, MWANZA REGION,
TANZANIA

ASSOCIATED PLANT: 196 TPD CIP GOLD
PROCESSING PLANT

COMMODITY: GOLD









DIAMOND DRILLING EXPLORATION – LIMESTONE

CLIENT: MAWENI LIMESTONE
LIMITED

LOCATION: ILAGALA VILLAGE,
KIGOMA REGION, TANZANIA

COMMODITY: LIMESTONE

SCOPE: DIAMOND DRILLING
EXPLORATION FOR RESOURCE
EVALUATION AND GEOLOGICAL
ASSESSMENT



GEOTECHNICAL INVESTIGATION – PROPOSED TSF

CLIENT: JEMA AFRICA LIMITED

LOCATION: PEMBA, MVOMERO DISTRICT, MOROGORO REGION, TANZANIA

SCOPE: GEOTECHNICAL INVESTIGATION TO SUPPORT DESIGN AND CONSTRUCTION OF TAILINGS STORAGE FACILITY (TSF)



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JEMA AFRICA LTD

4.76M

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02/2026.

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