



# COMPANY PROFILE

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“WE SHAPE OUR  
BUILDINGS,  
THEREAFTER THEY  
SHAPE US.”

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Winston Churchill



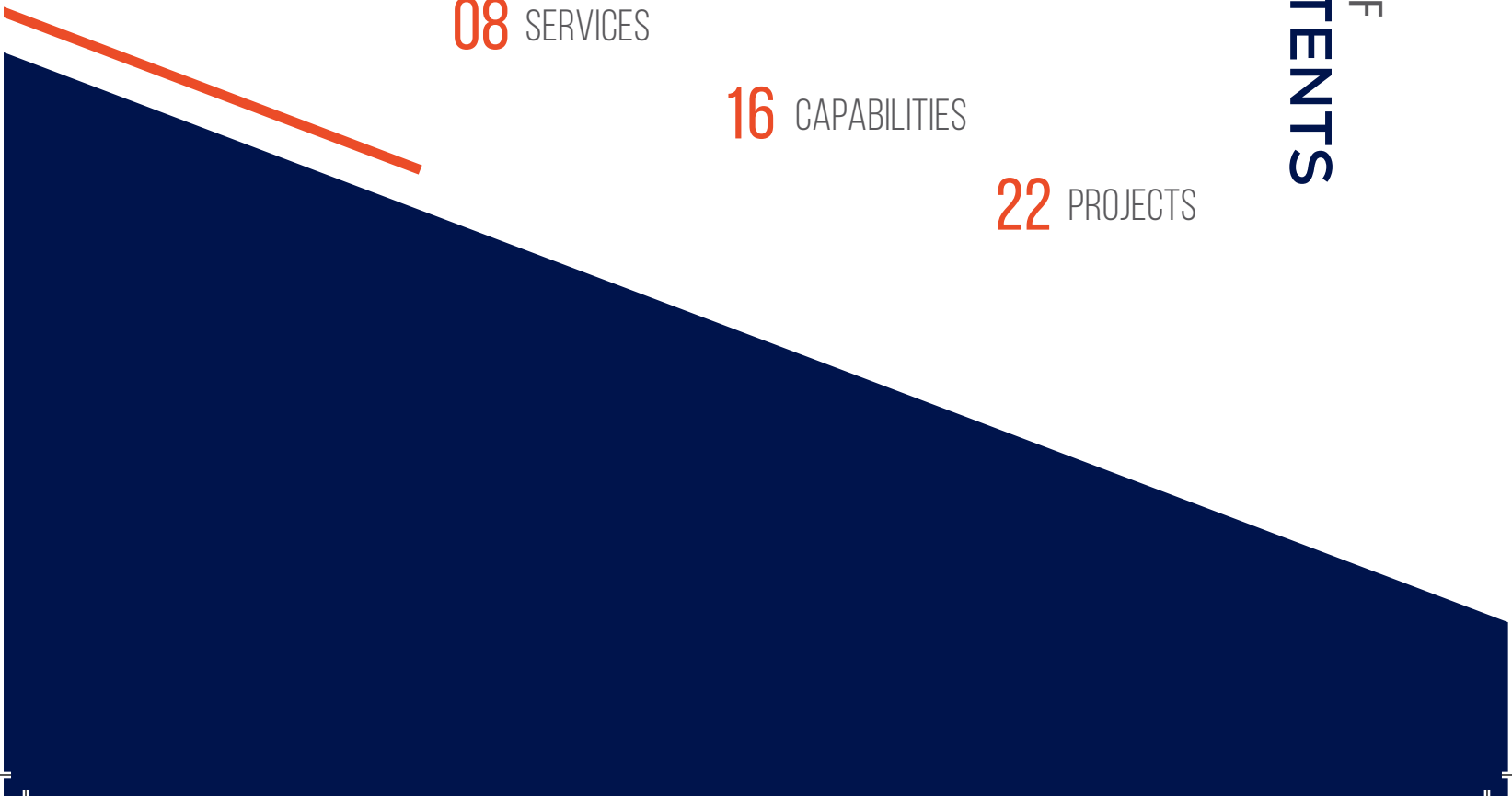
TABLE OF  
CONTENTS

04 ABOUT US

08 SERVICES

16 CAPABILITIES

22 PROJECTS



## ABOUT OUR COMPANY

SADRINE Infrastructure Services (SID) Limited is an independent limited liability company. The firm provides a full range of professional engineering consultancy and construction services, to public and private clients. SID is behind many of Uganda's most advanced and prestigious facilities.

We have a multidisciplinary team of surveyors, town planners, architects, engineers, urban designers, landscape architects, environmental specialists, construction managers, site supervisors and technicians which enables us to adopt an integrated approach to development projects combining our skills and experience to maximize development potential whilst achieving high standards of design and remaining sensitive to the environment.

SID is recognized as a leader in the construction industry for its strength in traditional construction methods and for its creative, fresh approach and cutting-edge delivery technologies. Our expertise spans the construction industry spectrum, from smaller renovations to multi-million-dollar projects. We specialize in civil works, earthworks, construction of residential, educational, healthcare and industrial facilities; telecommunications and data centers, as well as infrastructural developmental projects such as roads, water and wastewater treatment plants among a host of other projects.



### OUR MISSION

To exceed the expectations of our clients by effectively and efficiently utilizing our resources.



### OUR VISION

Provide effective engineering designs and constructions as efficiently as possible.



# OUR VALUES

SID's core values drive everything we do. Incorporating these core values in our daily work, and making them an integral part of our culture, is key to our future success. Our values solidify who we are and what we believe.



## CLIENTS

Our goal is to develop enduring business relationships that are built on trust, integrity, effective communication, and delivering quality services on time and within budget.

## EMPLOYEES

Our employees are the fabric of our company. They determine our reputation, capability, and ultimately, our success. We provide a work environment that encourages self-improvement, teamwork, and innovation.

## QUALITY OF WORK

Our reputation is built on a tradition of providing services with a high level of technical competence and attention to detail. We continually train and educate our staff to provide quality work.




## OUR SUBSIDIARIES



The firm provides a full range of professional consultancy and engineering services, to public and private clients. We have a multidisciplinary team of surveyors, town planners, architects, engineers, urban designers, landscape architects and environmental specialists which enables us to adopt an integrated approach to development projects combining our skills and experience to .maximize development

At SADRiNE we pride ourselves on best-practice industry practices, driven by our professionally-qualified, enthusiastic and knowledgeable staff. Our approach combines common sense with vision and imagination. Our skills and services have been developed to meet our client's needs today whilst keeping .the needs of tomorrow firmly in mind





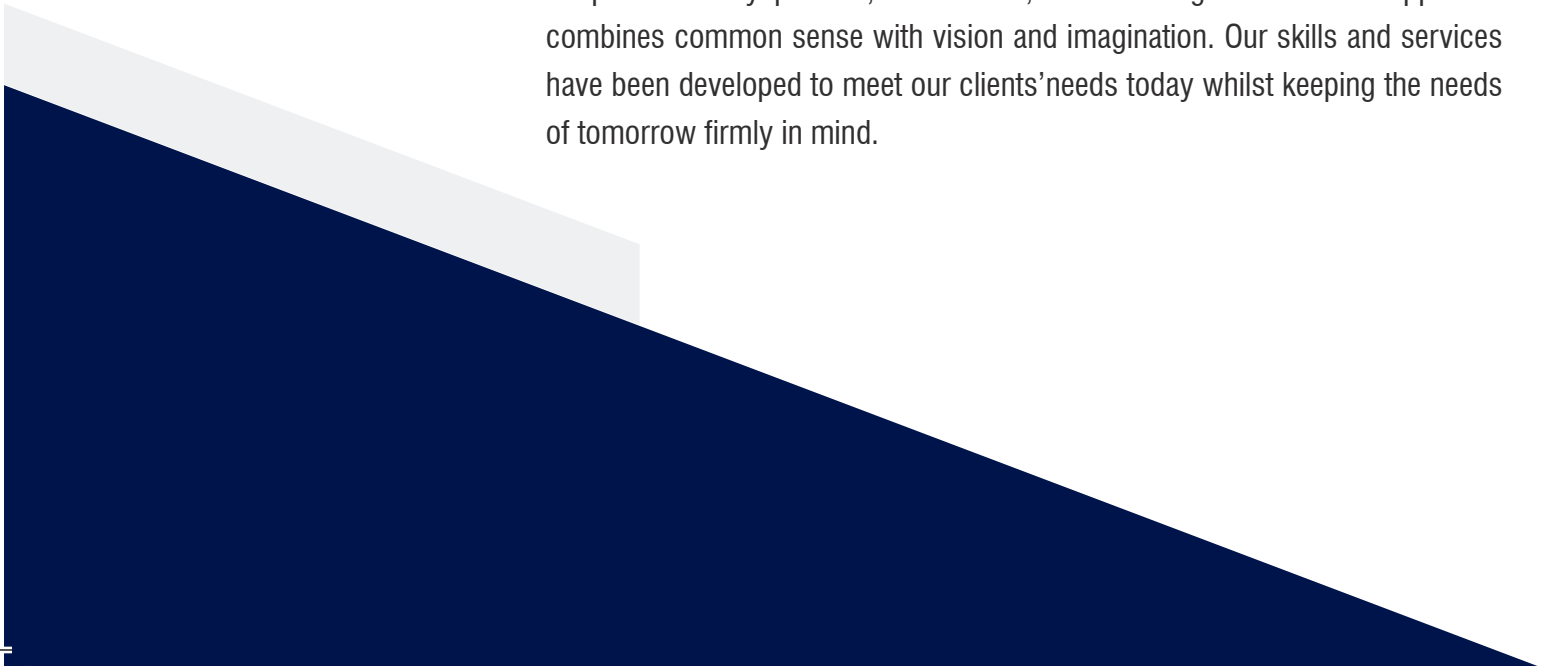
Established in 2019, GMILab (Geotechnical and Material Investigation Laboratory Limited) is a leading material testing laboratory & research facility. We successfully cater to the needs of industry leaders in material testing for all types of civil engineering projects. We also offer specialized research services for typical field problems.

Our newly build laboratory is equipped with the latest advanced test equipment duly calibrated for accurate and reliable testing of soil, aggregate and concrete for buildings, roads, bridge and other civil engineering infrastructure projects. Our core testing team possesses a vast experience of material testing, quality control and quality audit for numerous civil engineering projects with government, semi-government and private sector organizations.



## OUR SERVICES

At SADRiNE we pride ourselves on best-practice industry practices, driven by our professionally qualified, enthusiastic, and knowledgeable staff. Our approach combines common sense with vision and imagination. Our skills and services have been developed to meet our clients' needs today whilst keeping the needs of tomorrow firmly in mind.





# HIGHWAY & BRIDGES



Services that we provide include:

- Feasibility studies and consultation with the public, local and national authorities
- Route Evaluation, Location and Traffic studies
- Environmental impact analysis
- Negotiation with utility owners for the relocation of services
- Geometric and Pavement design
- Materials investigation, utilization and design
- Storm water drainage design
- Bridges and road related structures design
- Project documentation and tender evaluation
- Project management and site supervision
- Electro-Mechanical Infrastructure including high mast floodlights, conventional street lighting and solar lights

# WATER & WASTEWATER



SADriNE's water and wastewater engineers plan, design, and manage the construction of water supply systems, as well as for wastewater treatment systems. Each type of system is designed to meet industry standards and codes to ensure that drinking water meets public safety requirements and that the discharged water from wastewater treatment systems will not have a negative impact on the environment. Example of projects our water and wastewater engineers are involved with include:

- Wastewater studies to determine the best and safest way to collect, treat, and transport blackwater, greywater, and irrigation water.
- Working with districts, cities, or counties to develop potable water treatment facilities.

# STRUCTURAL/BUILDINGS



Our structural engineering sector includes all structural analysis and the design of structures. SADRiNE's structural engineers are responsible for analyzing and designing structures that can safely bear loads and resist stress and force. Their designs must satisfy all project specifications and meet all safety requirements. Their structures must be able to withstand natural disasters, environmental conditions, and meet design criteria and codes to ensure public safety.

Projects our structural engineers work on include:

- Working with architects to design and construct buildings such as facilities such as wastewater treatment plants and buildings including skyscrapers, apartments, churches, and more
- Designing bridges, tunnels, or overpasses
- Analyzing the effect of wind on structures
- Evaluating how structures react to earthquakes
- Supervising the construction of structures, including houses, commercial buildings, and schools
- Consulting on structural work or repair

Essentially, every structure that is being designed, built, or repaired can use a structural engineer on hand for a variety of purposes.

# ENVIRONMENT



Our environmental specialists have extensive experience of preparing environmental studies to support planning applications for development, including carrying out EIA work and producing Environmental Statements. We provide advice on projects, coordinate and undertake master planning, feasibility studies and provide support for discharge of environmental planning conditions and agreements. We have competence in the following areas:

- Environmental Impact Assessment
- EIA/ES Auditing and Review
- Screening and Scoping
- Appropriate assessment
- Green Infrastructure strategies and modeling clients

# SURVEYING



SADriNE offers comprehensive survey and mapping services for a broad range of applications and purposes through an integrated approach to the measurement, analysis and management of locations and descriptions of geo-spatial data.

SADriNE develops geomatic data utilizing global positioning system (GPS), photogrammetry and ground-based instrumentation along with state-of-the art software and information technology for reduction, processing and manipulation/presentation.

Our land surveyors, field technicians and mapping personnel are thoroughly trained in worksite safety, CADD configuration and specifications, highly experienced and equipped with current survey/mapping/GIS instrumentation, software and technology. SADriNE provides geomatic/survey services for real property transactions, boundary opening and retracements, planning studies, transportation projects, municipal infrastructure improvements, land development and resource management to commercial and private clients as well as federal, state and local agencies.

# GEOLOGY AND GEO-TECHNICAL



## Geotechnical Investigations:

- Rotary Core Drilling
- Percussion Drilling
- Standard Penetration Testing
- Vane shear tests
- Piezometer installations
- Shelby and piston tube sampling
- Plate load tests
- Light Dynamic Penetrometers

## Geotechnical Consulting Services:

- Geotechnical interpretative reports
- Geophysical survey
- Lateral support and piled foundation design
- Slope stability analysis and design
- Ground improvement design

# WATER RESOURCES



SADriNE water resource engineers have extensive experience in coordinating with multiple regulatory agencies to obtain the required permits and approvals in a timely manner that are needed for water resource projects. We are exceptionally knowledgeable in this niche service due to our extensive work with planned developments, industrial applications, roadway and aviation improvements, and municipal projects.

We have experience in the following water resource services:

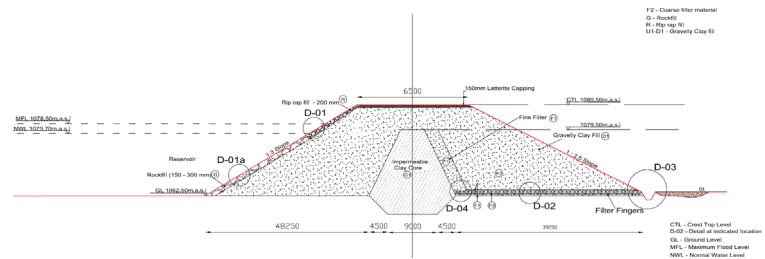
- Master Planning of Water, Sewer, and Irrigation Systems
- Stormwater Management Plans
- Stormwater Pollution Prevention Plans
- Floodplain and Floodway Analysis
- Water Re-use
- Water Amenity Features
- Pressure Irrigation Pump and Distribution Systems
- Water Supply and Distribution System Design
- Wastewater Treatment
- Wastewater Collection and Lift Station Design
- Gravity Irrigation Diversion and Conveyance
- Land Application

# SMALL HYDROPOWER DAMS



Dams are built worldwide to store water for irrigation, municipal use, hydropower electricity generation, and/or flood prevention. Size and complexity of dams range from small and structurally simple constructions in small streams to large and structurally more complex dams in large rivers. The type and design of individual dams depends on factors such as amount of available water, topography, geology, and type and amount of local material available for constructing the dam. Because dam is, almost always, a unique work, adapted to the morphology and the strength of the foundation, and also to the hydrological regime of the river.

SADRINE has been involved in the design of more than 20 earth dams in Uganda.





# SPECIALIZED TRAININGS



Specialized Training includes the training provided to employee that is unique and enhances employee's ability to perform employee's job duties effectively. SADRINE offers specialized practical trainings to graduate engineers in various fields.



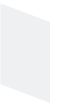


## OUR CAPABILITIES

### Engineering Design

SID provides a full range of engineering designs and related consultancy services to public and private clients. Our professional engineers and technical support staff have the expertise needed to provide comprehensive engineering services with cost effective solutions to meet our client's needs.

The firm provides a full range of professional consultancy and engineering services, to public and private clients. We have a multidisciplinary team of surveyors, town planners, architects, engineers, urban designers, landscape architects and environmental specialists which enables us to adopt an integrated approach to development projects combining our skills and experience to maximize development potential whilst achieving high standards of design and remaining sensitive to the environment. At SID we pride ourselves on best-practice industry practices, driven by our professionally qualified, enthusiastic, and knowledgeable staff. Our approach combines common sense with vision and imagination. Our skills and services have been developed to meet our client's needs today whilst keeping the needs of tomorrow firmly in mind.





## Construction

SID is behind many of Uganda's most advanced and prestigious facilities through its founders who have been in the industry for more than ten years. We provide our clients with reliable solutions to their most complex construction challenges. SID is recognized as a leader in the industry for its strength in traditional construction methods and for its creative, fresh approach and cutting-edge delivery technologies. Our expertise spans the construction industry spectrum, from smaller renovations to multi-million-dollar projects. We specialize in civil works, earthworks, construction of residential, educational, healthcare and industrial facilities; telecommunications and data centers, as well as infrastructural developmental projects such as roads, water and wastewater treatment plants among a host of other projects.

Our success is driven by our promise to deliver quality projects safely on time and within budget. We are known for building the most advanced facilities for our individual, corporate, institutional and government clients. More and more of clients are turning to us for our distinctive ability to implement innovative project management techniques and to serve as a reliable provider of knowledge-driven solutions for their complex construction projects. Our team of construction professionals offers a single-source solution for all of your construction-related needs. Whether its restoration, site preparation, a new facility or facility renovation, we have the experience and personnel to provide the highest quality construction on schedule and within budget. We support our clients from project inception, to the commissioning of the fully operational facility.



## Project Management

SID has extensive experience of providing a total project management service for all types of building, education, healthcare, transportation, power, oil and gas and water projects. We pride ourselves on providing a tailored project management service that assists our clients in establishing their options, defining their project needs and managing project delivery. We provide high calibre project teams for projects of all sizes and complexities. This ranges from the provision of integrated multi-skilled teams to the appointment of single project managers.

What keeps us effective in our project management is working alongside our clients. In short, project management is about managing risks, making investments work harder and improving the beneficial outcome to our clients. Our commitment is always to our clients, and the projects they develop to improve quality of life.



## Urban and Regional Planning and Architecture

Town planning decisions and architectural and urban designs of today not only serve an immediate need; they provide a legacy for future generations. The focus of the town planning service is to provide consultancy and guidance relating to urban and regional planning (physical planning), urban design or redevelopment projects, along with detailed planning-related documentation and reporting, housing estates and master planning and/or site planning and conducting research on urban related issues.

Our architectural services cover concept and design, preparation of construction documents, and construction administration. Additional services include feasibility studies, architectural programming and project management services.

Our philosophy is simple; we apply our imagination and creative thinking to our clients' brief to develop cost effective solutions that are as attractive as they are practical. Whether designing for residential, commercial or industrial purposes, we aim to create efficient, friendly buildings that are in harmony with their surroundings and are enjoyed by their occupants.

As well as designing attractive new buildings, we have an enviable reputation for successful completion of sensitive works. Our range of skills enables us to manage any scale of project from inception to completion.



## OUR EXPERIENCE

SID has existed for more than 3 years but the directors and staff (both technical and management) have experience of more than ten years in the relevant fields. Relevant services carried out in the last five years that best illustrate either firms or personnel's qualification.

### KABALE NEW SUB-STATION

CLIENT: L&T Construction, Power Transmission & Distribution



The main objective of the assignment was to carry out geotechnical surveys and determine the physical and engineering properties of the subsurface soils upon which the intended new sub-station is to be built and provide recommendations from which the facilities will be designed. Specifically basing on the ToR, SADRINE was required to; Carry out preliminary site reconnaissance, carry out Soil resistivity (ERT) test, and Conduct field explorations including: excavation of 2 trial pits, core drilling of 2 boreholes, collecting of disturbed and undisturbed samples, water table monitoring, carry out laboratory testing and present a report of the findings.

### LOW VOLUME ROADS ENGINEERING DESIGN

CLIENT: BEZA Consulting Engineers PLC  
in association with AIB CONSULT



As part of the assignment fulfilment, M/S AIB Consult Ltd sub-contracted SADRINE Infrastructure Services (SID) Limited to undertake the geotechnical, soils, materials investigations and testing services that entailed; alignment soil test pitting with logging and soils sampling, alignment soil Dynamic Cone Penetration testing; DPL testing and augering at swampy sections; construction materials survey and laboratory testing towards the project entitled; Consultancy Services for Detailed Engineering Design for Various Low Volume Roads Using Appropriate Low-Cost Sealing Technology - Lot 2: Toroma-Okokorio Ferry Landing (12km), Katakwi-Toroma (18km) and Kumi-Agule ferry Landing (15km).

### LOW VOLUME ROADS ENGINEERING DESIGN

CLIENT: KKATT CONSULTS

As part of the assignment fulfilment, KKATT Consult Ltd sub-contracted SADRINE Consulting Group Limited to undertake the geotechnical, soils, materials investigations and testing services that entailed; alignment soil test pitting with logging and soils sampling, alignment soil Dynamic Cone Penetration testing; DPL testing at the existing box culvert; construction materials survey and laboratory testing towards the project entitled; Consultancy Services for Detailed Engineering Design of Various Low Volume Roads Using Appropriate Low-Cost Sealing Technology, Lot 10: Arua-Giligili-Ovision Road (15.0 km).



## LATORO SMALL HYDROPOWER PROJECT

CLIENT: East African Power (EAP) Limited



Aswa – Lolim Hydro Power Company Ltd (ALHC), a Special Purpose Vehicle (SPV) largely owned by East African Power (EAP), is developing the Latoro Small Hydro Power Project. It is a medium flow and medium head scheme of approximately 4.8 MW, in northern Uganda. The developer contracted SADRiNE Consulting Group Limited to undertake detailed hydrogeological and geotechnical studies for the project.

## VALUATION OF WATER RESOURCES AND ROAD INFRASTRUCTURES

CLIENT: Bageine & Company



The water resources and road infrastructures were valued using the replacement cost method under the cost approach. The cost approach provides an indication of value using the economic principle that a buyer will pay no more for an asset than the cost to obtain an asset of equal utility, whether by purchase or by construction, unless undue time, inconvenience, risk or other factors are involved. The approach provides an indication of value by calculating the current replacement cost of an asset. Therefore, the replacement cost method is defined as a value obtained by calculating the cost of a similar asset of offering equivalent utility (International Valuation Standards, 2022).

## PROPOSED QUARRY ROCK SITE

CLIENT: M/s. Akol Holding Limited

The main objective of the assignment was to determine the suitability of the quarry rock for use as a construction material. Activities done included; Core drilling of 5 points, laboratory testing of the recovered rock samples and production of the geotechnical investigation report.





## KISHURO BRIDGE IN BIRERE SUBCOUNTY

CLIENT: KWED Construction Ltd



Consultancy Services for Design and Build of Kishuro Bridge in Birere Subcounty, Isingiro DLG



## RECONSTRUCTION OF 5 BRIDGES ON THE NATIONAL ROAD NETWORK

*Nyamugasani Bridge – Kasese District,  
Kyanya and Isango Bridges – Kasese District,  
Apaa Bridge – Amuru District,  
Lotoketangisira Bridge – Kaabong District*

CLIENT: Kagga and Partners

In an effort to improve on the condition of the many bridges on the Uganda road network, UNRA had selected five bridges for urgent re-construction and advertised for the services in form of Design and Build Contract. Kagga and Partners Limited was in the process of submitting a bid for the above services in conjunction with Excel Construction Limited and in order to come up with a preliminary design for the selected five bridges, SADRINE Consulting Group Limited was contracted to carry out geotechnical investigations for the preliminary design of the bridge foundations. The objectives of this investigation included the following:

- Carrying out geotechnical investigations and prepare reports; and
- Making recommendations on the proposed bridge foundation designs and earthworks.



## UPGRADING AND EXPANSION OF ENTEBBE INTERNATIONAL AIRPORT PROJECT

CLIENT: TECLAB/C/CCC/Dar Al Handasah

In October 2020 TECLAB undertook supplementary geotechnical investigations at Entebbe Airport on behalf of China Communication Corporation Company Ltd. The objective of the ground investigation was to determine geotechnical information including design parameters for the proposed structural foundations and any associated infrastructure. To this aim, In January 2021, TECLAB Ltd sub-contracted SADRINE Consulting Group to come up with a geotechnical interpretative report for the conducted geotechnical investigations.



## LODOON EARTH DAM

CLIENT: Ministry of Water and Environment

Ministry of Water and Environment – Water for Production plans to redesign and reconstruct Lodoon Earth Dam in Napak District. SADRINE CONSULTING GROUP LIMITED was contracted to carry out geotechnical investigation for purposes of the determining the condition assessment and performance levels of the existing Lodoon Dam. The aim of the investigation was to:

Determine geotechnical information including design parameters for the proposed foundations and any associated infrastructure.



## OJAMA EARTH DAM

CLIENT: Ministry of Water and Environment



The Ministry of Water and Environment through the Department of Water for Production is mandated to implement multi-purpose water projects for irrigation, livestock watering, fisheries and rural industries with an objective of increasing productivity and regulate dependency on rain fed agriculture which is heavily affected by prolonged droughts. Water for production is key to the successful implementation of the GoU's National Development Plans for poverty alleviation. Ministry of Water and Environment has therefore prioritized design and construction of Ojama earth dam and multipurpose systems and facilities.

## GEREGERE EARTH DAMS & WATER SYSTEMS

CLIENT: Ministry of Water and Environment

Consultancy Services for Detailed Design and Supervision of Earth Dams and Multipurpose Water Systems and Facilities of Lot 1: Geregere Earth Dam and Watering Facilities in Agago District



## KYENSHAMA EARTH DAMS & WATER SYSTEMS

CLIENT: Ministry of Water and Environment



Consultancy for Detailed Design and Supervision of Earth Dams and Multipurpose Water Systems and Facilities of Lot 3: Kyenshama Earth Dams in Mbarara District

## PROPOSED RESIDENTIAL DEVELOPMENT

CLIENT: Mr. Elly K. Rwakakooko



The geotechnical investigations were carried out to determine the physical and engineering properties of the subsurface soils which may subsequently be incorporated in structural designs, recommendations and remedial design solutions for the weak soil and settlement. These objectives were achieved by conducting the following activities:

- Identify the type and depths of subsurface geological materials through hand excavation of two (2) trial pits. The pits were dug to 3.0 m depths;
- Conduct Dynamic Probe Light (DPL) testing from the existing surface to refusal to assess the in-situ bearing capacity;
- Carry out laboratory tests and analysis on suitable recovered disturbed soil samples.

## NWSC SEWAGE TREATMENT PLANT AND WATER TREATMENT PLANT AT SINO-MBALE INDUSTRIAL PARK.

CLIENT: TYSULT ENGINEERS



National Water and Sewage Cooperation (NWSC) is planning to construct a Sewage Treatment Plant and a Water Treatment plant in Mbale District on 10 acres of land. The water treatment plant and sewage treatment plant shall sit on 4 acres and 6 acres respectively as specified in the terms of reference.

SADRINE Consulting Group Limited and GMILab were contracted by TYSULT Engineers to undertake these Geotechnical Surveys in relation to the proposed constructions. The aim of the investigations was to:

- Carry out a literature search (review the geology of the areas where the plant shall be located, search available physiographical data, hydrological data and previous

site investigations data, along with any available well water/swampy records.

- Carry out preliminary site reconnaissance to physically examine land forms, drainage, and erosion features.
- Conduct field explorations including core drilling of 4 boreholes, collecting of disturbed and undisturbed samples, water table monitoring, carry out laboratory testing and present a soils report.

## OUR CLIENTS



Uganda National Roads Authority





## OTHER COMPLETED PROJECTS

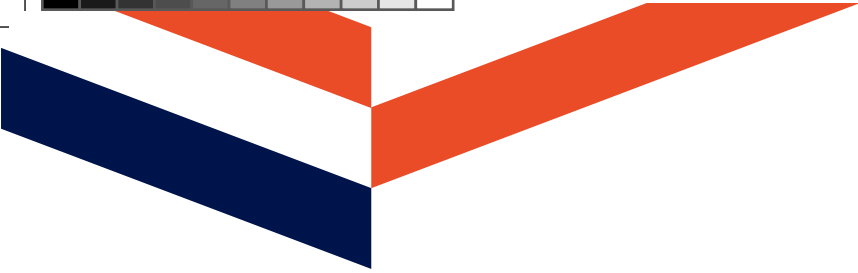
- Hydrogeological and Geotechnical Investigations for Latoro Small Hydro Power Project in Uganda
- Design and build of Kishuro Bridge in Birere subcounty, Isingiro DLG
- Consultancy Services for Detailed Engineering Design of Various Low Volume Roads Using Appropriate Low-Cost Sealing Technology, Lot 10: Arua-Giligili-Ovision Road
- Geotechnical Investigation for the Proposed Science Block at University of St. Joseph, Nyamitanga Hill, near Nyamitanga Cathedral opposite Holy Innocents Children's Hospital on Mbarara-Kikagate Road
- Geotechnical Investigations for the Design and Construction of the Proposed Neonatal Intensive Care Unit (NICU) Building at Holy Innocents Children's Hospital on Plot 6, Kaberebere-Insingiro Road, Mbarara, Uganda
- Geotechnical Investigations for the Proposed Mixed Developments, Shops and Apartments, on Plot No. 68 Block No. 219, Najjera, Kira Municipality, Wakiso District
- Consultancy Services for Feasibility Studies and Preliminary Design of Multi-Purpose Storage Dams and Watering Facilities in Karamoja
- Consultancy for Detailed Design and Supervision of Earth Dams and Multipurpose Water Systems and Facilities of Lot 3: Kyenshama Earth Dams in Mbarara District
- Consultancy Services for Detailed Design and Supervision of Earth Dams and Multipurpose Water Systems and Facilities of Lot 1: Geregere Earth Dam and Watering Facilities in Agago District
- Environmental Project Brief of Feeder Line Supplementary Geotechnical and Geophysical Survey and Geo-hazard Assessment



“IF PEOPLE LIKE YOU, THEY’LL  
LISTEN TO YOU,  
BUT IF THEY TRUST YOU,  
THEY’LL DO BUSINESS WITH YOU”

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