



Company
Profile



INTRODUCTION

At LYMA, we harness innovation and expertise to provide cutting-edge water management and irrigation solutions for a sustainable future.

We strive to offer the most reliable expertise in Water source development, Water Storage facility construction, Water Pumping, Water transmission/Distribution, Water treatment, Irrigation, Renewable energy and Generators' service/maintenance through provision of the best quality precision irrigation systems, solar-powered water solutions and aquatic ecosystem management to our clients using the most recent technology and Innovation, maintaining the highest level of quality at affordable prices.



OUR STORY

LYMA was established in 2019 with a simple but clear vision of; leading the Way in provision of all water, Irrigation and Energy Solutions in Uganda, East Africa and Africa as a whole.

From the Inner meaning of the word 'LYMA', we derive our Purpose for existence. The word LYMA Suggests that, you give up what you want (and have) so that other people can have what they need. We are in existence so that people's Water, Irrigation and Energy needs are met. We give up our comfort, our resources and our interests to give satisfaction and comfort to those with Water, Irrigation and Energy related needs.

With Such focus, determination and commitment, we give guarantee that our clients will get quality, timely, reliable and affordable solutions to their Water, Irrigation and Energy problems. Water Source development, Water Pumping, Water Storage, Water Transmission / distribution, Water treatment, Water Purification, Recommendation and construction of appropriate Irrigations systems, Solar energy (solar water pumping, Solar water Heating, Solar lighting etc.), construction of swimming pools and Service / maintenance of Generators are our main focus areas.

We have a well-equipped, technically competent and exposed team supported by our reliable group of partners with skills to handle all the diverse customer profiles and the ever changing needs. We guarantee our clients of reliability, timely delivery of assignments but most importantly delivery with the highest level of quality at affordable rates.



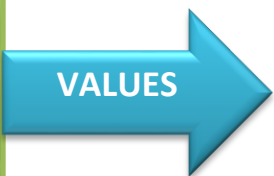
VISION

To lead in provision of all water, irrigation and Energy related solutions in Uganda, East Africa and Africa as a whole.



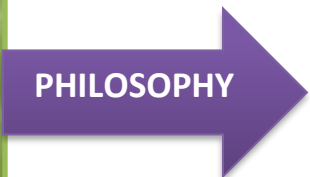
MISSION

To revolutionize water usage and irrigation practices through technology-driven solutions, ensuring a healthier planet and more resilient food supply.



VALUES

- Sustainability
- Innovation
- Quality Excellence
- Honesty
- Reliability
- Customer Focus



PHILOSOPHY

Save water to save lives and livelihood.



1

WATER

a) Water Pumps

We supply, install, service, maintain and train clients on how to operate our pumps. Our pumps are user friendly, affordable and also supplied with admirable warranties.

Pumps we deal in include;

- Engine Pumps
- Electric Surface Pumps
- Electric Submersible Pumps
- Hybrid Surface Pumps (Use both electricity and solar energy)
- Hybrid Submersible Pumps
- Shallow well Pumps
- Peddle Pumps

b) Water source development.

Our water source development services enable sustainable access to clean water, supporting communities, agriculture and industries. Our expert team conducts hydrological surveys, ground water exploration and feasibility studies to identify viable water sources. We design and implement efficient extraction systems including well drilling, borehole construction and spring development. Our comprehensive approach encompasses environmental impact assessments permitting and regulatory compliance, guaranteeing responsible and effective water source development.

c) Water Storage Facilities

Our water storage facility solutions ensure reliable and efficient water supply management. We design and construct reservoirs, tanks and impoundments tailored to client needs, incorporating cutting-edge materials and technologies. Our expertise encompasses:

- Elevated and ground-level storage tanks (steel, concrete or composite, plastic)
- Reservoirs and impoundments for water supply, irrigation, and flood control.
- Advanced lining and coating systems for durability and water quality
- Water treatment and filtration systems for potable and non-potable applications
- Sustainable and environmentally responsible designs.

d) Water Transmission

Our water transmission services deliver efficient and reliable water distribution solutions. We design, construct and rehabilitate water transmission infrastructure, including pipelines, pumping stations, and valve systems. Our expertise encompasses:

- Pipeline installation (GI, PVC, PPR and HDPE)
- Pumping station design and construction
- Valve and hydrant installation
- Water main extensions and interconnections.
- Leak detection and repair services
- Rehabilitation and replacement of aging infrastructure.

Ensuring safe, compliant, and sustainable water transmission, our team optimizes system performance, minimizing losses and maintaining water quality.

e) Water Distribution

Our water distribution services provide reliable and efficient delivery of clean water to communities, industries and agriculture. We design, construct, operate and maintain water distribution networks, ensuring safe and compliant water supply. Our expertise includes:

- Pipeline installation and rehabilitation.
- Water main extensions and interconnections.
- Metering and monitoring systems
- Water quality management.

From source to tap, our team delivers comprehensive solutions, ensuring uninterrupted water supply and public health.

f) Water Treatment

Our water treatment solutions ensure safe, reliable and sustainable water supply. We design, construct, operate and maintain water treatment facilities, utilizing advanced technologies to remove contaminants and impurities. Our expertise encompasses:

- Water purification and filtration systems
- Reverse osmosis and membrane bioreactors
- Disinfection and UV treatment
- Water softening and mineralization

- Waste water treatment and reuse systems
- Chemical treatment and dosing systems
- Water quality monitoring and testing

From raw water intake to clean water distribution, our team delivers tailored solutions meeting regulatory standards and client needs.

g) Water Purification

Our water purification solutions deliver clean, safe and potable water, exceeding international health and safety standards. Leveraging cutting-edge technologies, our expert team designs, installs and maintains purification systems, removing:

- Bacteria, viruses and pathogens
- Heavy metals, nitrates and other contaminants
- Sediment, turbidity, and particulate matter
- Taste, odor and color impurities.

Utilizing advanced methods such as reverse osmosis, ultraviolet (UV) disinfection, activated carbon filtration and membrane bioreactors, we provide tailored purification solutions for municipal, industrial, commercial and residential applications.





2

IRRIGATION

Our innovative irrigation technologies optimize water usage and crop yield for agricultural, municipal and commercial applications. By integrating cutting-edge technologies, we help our clients reduce water consumption, enhance crop quality and improve resource allocation.

Our expertise includes:

- Precision irrigation systems with drip, sprinkler and micro-sprinkler solutions
- Automated irrigation controls.
- Rainwater harvesting and reuse systems
- Energy-efficient pumps and irrigation system design.

A) SPRINKLER IRRIGATION

Our sprinkler irrigation solutions efficiently distribute water to crops, landscapes and turf, minimizing waste and optimizing growth. Our team designs, installs and maintains sprinkler systems, incorporating:

- Fixed and portable sprinkler systems
- Rain Gun Sprinklers.
- Impact and gear-driven sprinklers.
- Pop-up and rotary sprinklers
- Pressure regulating and filtration components.
- Automated controls and timing systems.

B) DRIPLINE IRRIGATION

Our drip line irrigation solutions deliver precise water and nutrient directly to the roots, optimizing water efficiency and crop yield. By minimizing evaporation, runoff and soil erosion, our drip line systems reduce water consumption by up to 50%, promoting healthy plant growth and sustainable resource management. Our team designs, installs, and maintains drip irrigation systems, featuring:

- Surface and sub-surface drip irrigation.
- Pressure compensating and non-pressure compensating emitters
- Filters and fertilization injectors
- Automated controls and monitoring systems.

C) SURFACE / FLOOD IRRIGATION

Our surface irrigation solutions provide cost-effective and efficient water distribution for various crops and landscapes. Our team designs, installs and maintains surface irrigation systems, featuring:

- Level basin and border strip irrigation
- Furrow irrigation and contour farming
- Wild flooding and controlled flooding.
- Canal and water conveyance systems.
- Water control structures and gates
- Laser land leveling for optimal water distribution.

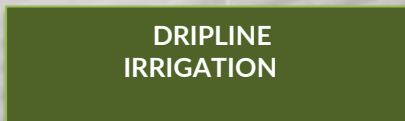
D) AUTOMATIC APPLICATION OF FERTILIZERS/CHEMICALS

Our precision application systems optimize crop nutrition and minimize waste through automated technology. Through precisely applying fertilizers and chemicals, our systems reduce environmental impact, promote healthy plant growth and maximize crop yield. Our team installs and maintains systems, featuring:

- Fertilizer injectors e.g. Dosatrons
- Dozing pumps e.g. the Venturi.



**SPRINKLER
IRRIGATION**



**DRIPLINE
IRRIGATION**



**SURFACE / FLOOD
IRRIGATION**



2

**SOLAR
ENERGY**

A) SOLAR WATER PUMPING

Our solar water pumping solutions harness renewable energy to efficiently pump water for irrigation, domestic use and other applications. Our team designs, installs and maintains solar-powered pumping systems including:

- Photovoltaic (PV) panels and solar arrays
- DC powered pumps and motors
- Energy storage and battery control systems.
- Remote monitoring and control systems.
- Float switches and level sensors for automated operation.
- Customized system design for optimal energy efficiency.

By leveraging solar power, our clients reduce energy costs, minimize environmental impact and ensure reliable water supply.

B) SOLAR WATER HEATERS

Our solar water heating solutions harness renewable energy to provide efficient and cost-effective hot water for commercial, industrial and residential applications. By using solar heating for water, our clients reduce energy consumption, lower utility bills and minimize environmental impact. We supply, install and maintain solar water heating systems featuring:

- Evacuated tube and flat plate collectors
- Thermal storage tanks and heat exchangers
- Circulation pumps and control systems
- Temperature monitoring and safety devices
- Customized system design for optimal energy efficiency.

C) SOLAR LIGHTING

Our solar lighting solutions provide sustainable, energy-efficient illumination for various applications, including street, gardens, pathways and buildings hence reducing carbon footprint, minimizing energy costs, enhancing safety and security. We supply, install and maintain solar-powered lighting systems featuring:

- High-efficiency photovoltaic panels
- LED lighting fixtures and smart controls
- Battery backup systems for extended autonomy

- Motion sensors and timer controls
- Customized system design for optimal energy efficiency
- Durable, weather-resistant construction.



**SOLAR WATER
PUMPING**



**SOLAR WATER
HEATERS**



**SOLAR
LIGHTING**



4

GENERATORS

LYMA offers a comprehensive range of high-quality generators designed to provide reliable and efficient power solutions for various industries and applications.

Product range: Portable domestic generators, diesel generators, residential generators and industrial generators.

Key features:

- High efficiency and fuel economy.
- Low emissions and environmental impact
- Durable and robust construction.
- Advanced control systems and monitoring.
- Customizable solutions for specific applications.

Applications:

- Industrial power backup
- Commercial and residential power supply
- Construction and event power supply
- Agricultural and irrigation power
- Emergency services and disaster relief.

Services:

- Sales and installation
- Maintenance and repair
- Customized solutions and consulting.

Benefits:

- Reliable power supply.
- Increased productivity and efficiency.
- Cost-effective solutions.
- Environmentally friendly options.
- Expert support and maintenance.

OTHER SERVICES

A) FISH POND AERATION

We provide fish pond aeration solutions to improve pond water quality, increase oxygen levels and enhance aquatic life. Increasing dissolved oxygen levels and reducing stratification, promotes healthy fish growth, reduces mortality rates and optimize pond ecosystem balance. Our team designs, installs and maintains aeration systems featuring:

- Subsurface diffused aeration
- Surface aerators
- Solar-powered and electric aeration systems.
- Oxygen monitoring and control systems
- Customized aeration designs for optimal water circulation
- Energy-efficient solutions to minimize operation costs.

B) CONSTRUCTION OF SWIMMING POOLS

Our swimming pool construction services encompass a comprehensive range of activities, ensuring seamless execution from concept to completion. Our expert team handles site excavation, steel reinforcement, concrete pouring and gunite application. We then install piping, plumbing, and filtration systems, followed by tile and coping installations. Electrical connections, equipment setup, and safety features are meticulously integrated. Finally, we apply finishes such as plaster, aggregate and conduct thorough testing and commissioning to guarantee optimal pool performance and safety.

C) CONSTRUCTION OF FOUNTAINS

Our fountain construction services deliver breathtaking water features that enhance aesthetic appeal and create serene environments. Our expert team handles site planning, design development, and excavation, followed by the installation of pumps, piping, and filtration systems. We then craft and install decorative elements such as stone, tile, or bronze, and integrate specialized lighting systems. Additional features like water treatment, circulation, and control system ensure efficient operation. Finally, we conduct thorough testing and commissioning to guarantee mesmerizing display of sound and water, tailored to our clients' unique visions.

D) CONSTRUCTION OF SPRAY RACES

Our spray race construction services deliver specialized livestock cooling and treatment solutions, prioritizing animal welfare and farm productivity. Our expert team designs and builds customized spray races, incorporating features such as:

- Climate-controlled misting systems for optimal temperature regulation.
- Therapeutic shower systems for parasite control and skin health.
- Advanced water filtration and circulation systems for efficient operation.
- Cattle handling facilities and safety features to minimize stress and injury.
- Integration with existing farm infrastructure and management systems.



CONSTRUCTION
OF SWIMMING POOLS



CONSTRUCTION
OF FOUNTAINS



CONSTRUCTION
OF SPRAY RACES

Completed projects



Borehole drilling works at Bbira COU SSS Ltd in Mukono, Bulimu.



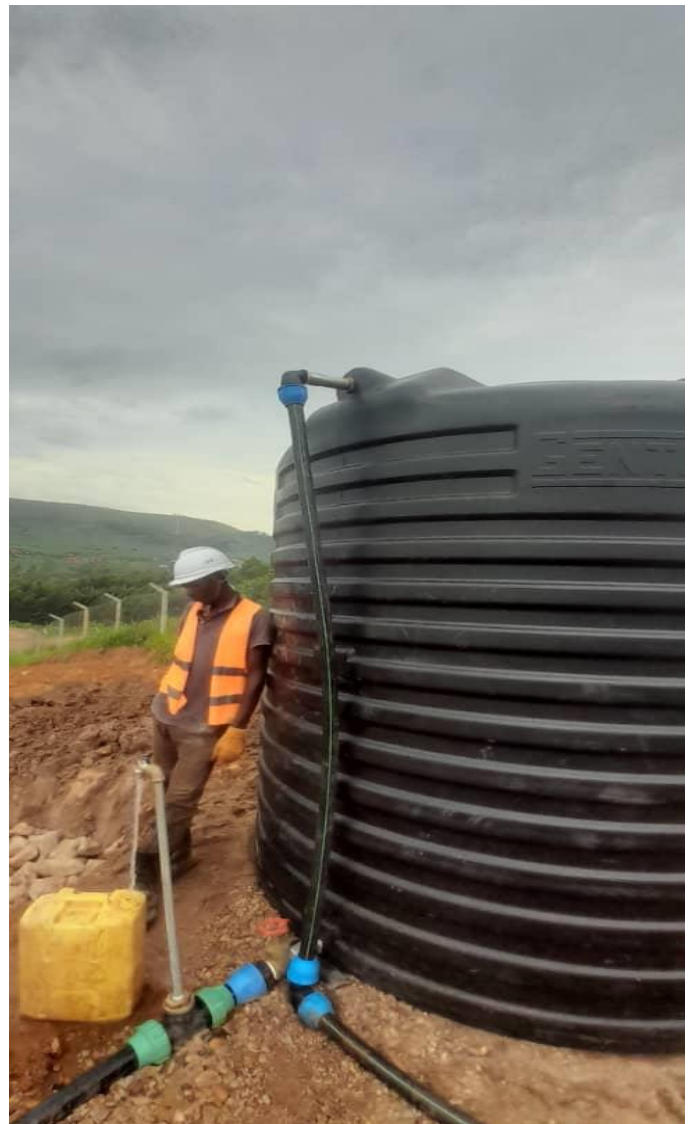
Customized pump control box built for submersible pump installed at H5 Resources Ltd, Ntungamo.



Submersible pump installed at H5 Resources Ltd, Ntungamo



Testing of the H5 Resources Ltd project before handing over to the client.







Earthing works in progress





Hydro - geographical survey of site at Ndejje University



Commencement of drilling



Pump installation in Ndejje University





Completed construction of Pump house



Pump fencing to prevent animals from accessing pump area.



Solar water heater installation

We are located on
Kyetume, Gayaza – Kalagi Road,
Next to Rocket Health.

CONTACT US

Tel: (Office) +256 772 658459

+256 756 658459

(Mob) +256 776 474724

+256 704 218778

Email: lymawater@gmail.com,

francsemo@gmail.com,