



**FISD Limited  
Company**

*Irrigation and Water Professionals*

# **FISD** | **Company Profile**

Engineering | Innovation | Financing

**2025**



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## Who We Are

FISD Limited (FISD Ltd) is a wholly owned Malawian company, registered under the limited by Shares Company Act of 1985. FISD Ltd was formed with an aim of using water to spearhead Sustainable development and promote the livelihood of the rural to complement the Malawi Government's efforts for the same. FISD Ltd specializes in Design and Implementation of Innovative Irrigation, Water Supply Engineering works, clean energy and Financing.



## How We Do It

The group has a clear strategy of using its collective skills, state of the art technologies and understanding of markets to develop a unique value proposition to clients

## What We Do



We specialize in Design and Implementation of Innovative Irrigation and Water Supply Engineering works, farming, agribusiness, renewable energy and Financing

## Why We Do It



To promote the livelihood of Malawians through enhancement of their food and income security.

## Our People

Our people are crucial in the delivery of our services and solutions to our clients. In order to ensure that everyone is equipped with the right skills, knowledge and attitude, a comprehensive training programme is put in place to constantly upgrade our people in technical and management skills. We believe firmly in providing the right training, accredited certification and practical knowledge for our people, in order for them to execute their duties and responsibilities confidently. Our aim is to stay relevant to the ever-changing market place and client's requirement.



# ABOUT US



## Vision

To be a champion solution provider  
in irrigation, water and clean energy  
in Sub-Saharan Africa.



## Mission

To provide highest quality,  
professional and innovative irrigation,  
water and clean energy solutions

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At Foundation for Irrigation and Sustainable Development, creating a positive business culture is of great importance and our shared values help us create a platform for interacting with each other as well as our clients.

### Commitment

Doing what is required,  
do it well and exceed  
expectations

### Integrity

Doing the right thing  
irrespective of the  
situation

### Team Work

Ability to work with  
others to achieve a  
common goal

## CORE VALUES

### Professionalism

Adhering to standards

### Hard Word

Putting quality time and  
effort in what we do

### Ownership

Taking responsibility of  
the process and results

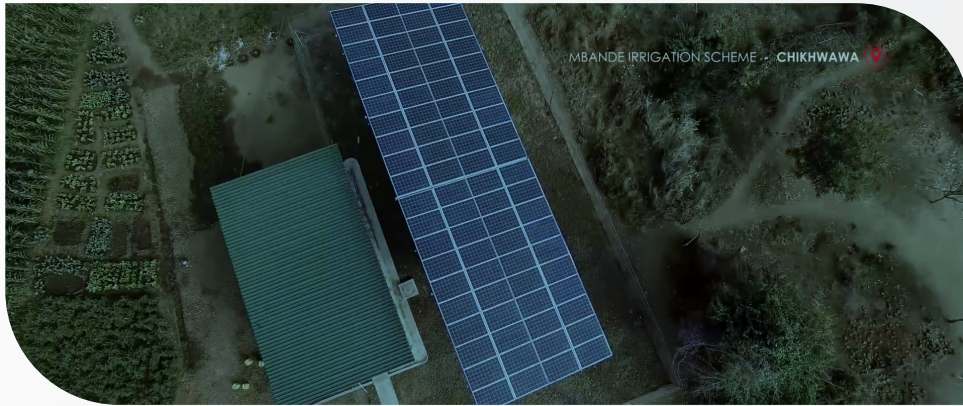
### Results Oriented

Being focused to achieve  
the desired outcomes in  
time

# FISD Construction

Registered with NCIC as Civil Engineering Contractor in the Unlimited Category and is responsible in implementing Irrigation and Water Supply Civil Works

SENJERE ROAD CONSTRUCTION - CHIKHWAWA



Spearhead Engineering Works in Solar Pumping Irrigation Systems and in Mini/Micro Solar Off grid systems and self-Consumption and Backup on Grid systems.



# Some Of Our Projects

## DOWA DAMBO 2 IRRIGATION SCHEME

### Project Overview

#### Implementer

FISD Limited Company arm.

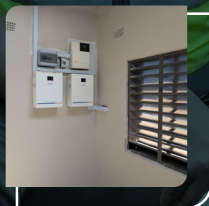
**Funding:** Sponsored by the International Fund for Agricultural Development (IFAD) under Malawi's PRIDE program, with an investment of approximately K9.9 billion

### Beneficiaries & Impact

**Farm Households:** Approximately 2,208 families will benefit directly

**Production Goals:** Expected yield of at least 5 t/ha across 400 ha yields substantial food volume.

**Wider Vision:** Marks a shift toward year-round agriculture, with three cropping cycles yearly bolstering food security.



### Project Scale & Scope

**Coverage:** A major upgrade from the originally planned 160ha to 400 hectares, achieved via FISD's value-engineering.

**Command Area:** 400 hectares overall, reflecting a broader project zonal footprint across the area

### Key Infrastructure

**Damn & Reservoir:** A 250,000 m<sup>3</sup> dam combined with a 10 million litre reservoir

#### Water Facilities:

- 42 solar-powered borehole pumps delivering ~430L/s, feeding the reservoir.
- Solar installations produce up to 500kW powering the entire irrigation network

### Timeline & Progress

**Launch:** Groundbreaking began in June 2024, officially flagged off by Minister Sam Kawale.

**By March 2025:** FISD completed ~90% of its Lot 2 scope

Contract Sum  
**K9.9 Billion**

# Some Of Our Projects

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## MLOOKA IRRIGATION SCHEME

To make the lives of Mlooka farming community better, with funding from the International Fund for Agriculture Development (IFAD) through the Program for Rural Irrigation Development (PRIDE) The Malawi Government through the department of Irrigation is building the resilience of the farmers in the area, with FISD Limited Company's sustainable irrigation technologies that help farmers adapt to climate change.



At Mlooka, water is pumped from the Shire river via two submersible pumps, each with a capacity of 229 litres per second. These pumps are driven by a 288 kilowatt solar array of 570 solar modules.



This water is then conveyed to a 10,000 cubic meters reservoir up hill, some one and a half kilometer away, for both storage and supply to a 138 hectare farm-land.



Now even in the face of the current dry spell, farmers are able to cultivate rice and other crops. The project has also brought other benefits to the community. Now the areas has connectivity to the national electricity grid, good roads and bridges constructed by FISD and piped water at the primary school.



Contract Sum  
**K3.4 Billion**

# Some Of Our Projects

## High-Yielding Borehole Drilling and Water Supply Systems

FISD has successfully drilled and developed high-yielding boreholes as part of comprehensive utility water supply systems across Malawi. Commissioned under various mandates, including the Malawi Drought Recovery and Resilience Project (MDRRP), our work includes:

- **Southern Region Water Board:** Mwanza, Neno, Mloza, Nchalo, Thyolo, and at the Malawi University of Science and Technology (MUST).
- **Central Region Water Board:** Dedza, Ntcheu, Salima, and Ntchisi.

These boreholes form a critical component of the larger water supply infrastructure constructed by FISD to enhance access to clean and reliable water for communities and institutions.



# Some Of Our Projects

## WOWO IRRIGATION SCHEME

### Reviving Agriculture Through Climate-Smart Innovation

FISD is currently undertaking the rehabilitation of the Wowo Irrigation Scheme in the area of Traditional Authority Nkhulambe, Phalombe District. This K12 billion project, funded by the International Fund for Agricultural Development (IFAD) through the Programme for Rural Irrigation Development (PRIDE), is a critical intervention aimed at restoring agricultural productivity in a region severely affected by Cyclone Freddy.

Covering 310 hectares, the Wowo Irrigation Scheme is a vital agricultural asset for the surrounding communities. The ongoing rehabilitation works include the drilling of 21 high-capacity boreholes capable of delivering over 424 litres of water per second. These boreholes will be powered by a 410-kilowatt solar farm, aligning with FISD's commitment to sustainable, climate-smart irrigation technologies.



Water from the boreholes will be channeled into a newly constructed 10,000m<sup>3</sup> reservoir, which will serve as a central distribution point across the scheme. This infrastructure is designed to enhance water availability and management, ensuring reliable year-round irrigation for local farmers.

Once complete, the revitalized scheme will support over 1,570 farming households, improving food security, boosting incomes, and increasing community resilience to climate-related challenges.

The Wowo Irrigation Scheme is a testament to FISD's leadership in delivering integrated and impactful water solutions that transform rural livelihoods.



# Some of Our Projects

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## MAKANJIRA WATER SUPPLY SCHEME

### Clean Water For a Healthy, Resilient Future

We are proud to be part of the transformative Makanjira Water Supply Scheme, a K7.5 billion infrastructure project set to benefit over 68,000 people in Mangochi District. Spearheaded by the Southern Region Water Board, this ambitious initiative is addressing one of the region's most pressing needs—reliable access to clean, safe, and potable water.

The project involves the installation of a pumping system drawing water directly from Lake Malawi, coupled with a robust water treatment facility designed to ensure quality and safety. A comprehensive distribution pipeline network extends across the targeted communities, delivering treated water to communal access points with improved efficiency.

To support uninterrupted operation, the scheme includes the installation of a solar energy system, enhancing sustainability and reducing reliance on the national power grid. Additionally, the project covers the construction of operational and staff housing, ensuring adequate on-site management and long-term functionality.



Through this project, FISD is contributing to a healthier, more resilient future for the people of Makanjira. It is yet another demonstration of our commitment to delivering innovative, sustainable water supply solutions that uplift communities and transform lives.

# Other Divisions

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## FISD Drilling Contractors

FISD Drilling is a member of the FISD Group of Companies Limited Company. It is the leading borehole drilling contractor in Malawi. Established in 2011, FISD drilling owns four state of the art PRD drilling rigs and compressors that can drill up to a depth of 800m, and a 300mm diameter making FISD Drilling the only Malawian contractor that can drill the deepest and the widest.

Having been in existence for eight years, we have extensive knowledge in the field of borehole drilling and understand requirements of specific customers as well as projects. The company has been involved in a number of projects involving evaluation, baseline studies, feasibility studies, environmental impact assessment, project design and proposal development, community need assessment etc.



Currently the company employs five drillers and two technical assistants on each rig with over ten years combined experience in drilling and maintenance of the machines. The Company has a total of 17 employees, who form part of the drilling crew in their respective units. For pump and recovery tests, the company has 12 pumps for use on site, including the necessary equipment to lower and lift submersible pumps.

## Study

After the contract has been formalized, our technical team will visit the site along with geologists to identify the best place to carry out the drilling process.

## Mobilization

The drilling rig accompanied by a support truck will reach the site. Based on the soil and rock formation conditions, we would take approximately 3 hours to prepare for the drilling process.

## Well Casing

Once the borehole has been drilled, it must be lined with either steel or UPVC casing. The casing process keeps the well open and protects the earth, similar to the efforts to protect groundwater. The hard metal casing shores up the wellbore and extends through both the verticality and the horizontal drilling phases, assuring the long-term integrity of the well from end-to-end. In addition to providing stabilization and keeping the sides of the well from caving in on themselves, casing protects the well stream

## SERVICES WE OFFER



## Borehole Drilling

The drilling is carried out by using the “Down-The-Hole” technology. This system works by using high compressed air built within our drilling rig. The size of the hole can vary depending on the requirement of the client. As the drilling process continuous, geological rock samples are taken at 2 meter intervals. Struck and water rest levels are constantly recorded. This process enables us to estimate the yield of individual aquifers encountered.

## Well Testing

After development and preliminary tests, a long-duration well test is carried out. Well tests have to be carried out on all newly-completed wells, because not only does this give an indication of the success of the drilling, design and development, but it also yields formation on aquifer parameters which are vital to the hydro geologist.

A well test consists of pumping a well from a measured static water level (SWL) at a known or measured yield, and recording the rate and pattern by which the water level within the well changes. Once a dynamic water level (DWL) is reached, rate of inflow to the well equals the rate of pumping. Today, it is a common practice to carry out a 'step drawdown test', in which the yield is increased stepwise. Each step is continued until hydraulic equilibrium is reached after which the yield is increased with 50 to 100%. Towards the end of the test a water sample of 2 liters is collected for chemical analysis. The duration of the test is 24 hours, with a further 8 hours for a recovery test (during which the rate of recovery to SWL is recorded). The results of the test enables the hydro geologist to calculate the best pumping rate, the installation depth, and the drawdown for a given discharge rate.

## Water Quality Testing

FISD Drilling has contracted well trained chemists that conduct water quality tests in the quest of knowing the status of total coliform bacteria, nitrates, total dissolved solids and pH levels. Where a client suspects other contaminants, FISD drilling also tests for such.

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**SERVICES  
WE OFFER**

# Let Us FINANCE YOUR AGRICULTURAL SUCCESS

**FIFAD:** FISD Finance for Agriculture Development is registered with Reserve Bank of Malawi as a Micro Credit Agency providing loans for investments in Irrigated Agriculture. This division is on its superhighway to Agricultural Bank migration.

## PRODUCTS AND SERVICES OFFERED

1. Individual Agricultural Loan
2. Group Loan and Agri-Input Loans
3. Agricultural Partner Equity Scheme



**FIFAD**  
PROMOTING AGRICULTURAL DEVELOPMENT

# Project Financing under FIFAD

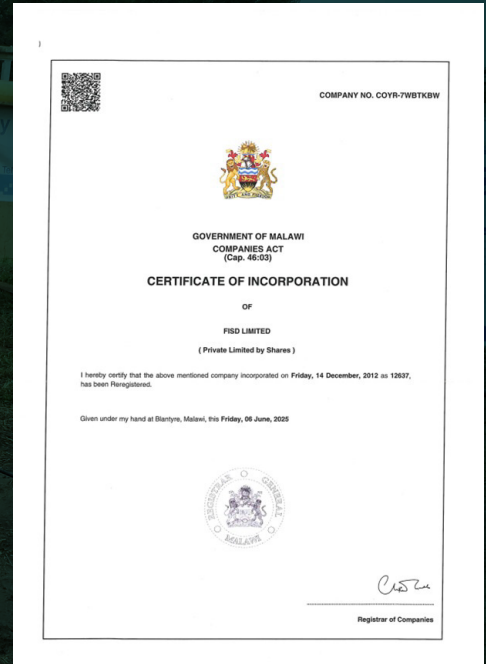
## Project Financing Arrangement

FISD Limited Company is one of the few if any Local Company that has a financing arrangement with our clients who want to invest in Solar pumping Irrigation farming upon 50% deposit arrangement.

Financed Central Region Water Board Hybridization of ESCOM with SOLAR on Dedza water Supply and Madisi Water Supply.

Financed the Development of 20 ha Solar Powered farm for Mr. Msowoya in Blantyre district along Shire River.

### FISD CERTIFICATIONS



# Our Clients



LAND O'LAKES  
**VENTURE 37**



**FEED THE CHILDREN**®

**World Vision**



PHILIP MORRIS  
INTERNATIONAL



**NB National Bank of Malawi plc**



**NBS Bank**  
Your Caring Bank



water for people  
EVERYONE • FOREVER



innovation: africa

# FISD LEADERSHIP

We are proud to have trained our team in Water Supply and Irrigation engineering within the Country and abroad. This is coupled with vast experience and professionalism of the team that shares the organization mission to deliver successful projects and best results for our clients.

Our people are crucial in the delivery of our services and solution to our clients. In order to ensure that everyone is equipped with the right skill, knowledge and attitude, a comprehensive training program is put in place to constantly upgrade our people in technical and management skills.

We believe firmly in providing the right training, accredited certification and practical knowledge for our people, in order for them to execute their duties and responsibilities confidently. Our aim is to stay relevant to the ever-changing market place and client's requirement.


The Foundation for Irrigation and Sustainable Development (FISD) wishes to maintain a work environment that fosters personal and professional growth for all employees. Maintaining such an environment is the responsibility of every staff member. Because of their role, managers and supervisors have the additional responsibility to lead in a manner which fosters an environment which is conducive for all staff. It is therefore the responsibility of all staff to:

- Treat each other in a fair manner, with dignity and respect
- Promote harmony and teamwork in all relationships
- Strive for mutual understanding of standards for performance expectations, and communicate routinely to reinforce that understanding
- Encourage and consider opinions of other employees or members, and invite their participation in decisions that affect their work and their careers
- Encourage career growth and development of employees by helping them achieve their personal goals at FISD and beyond
- Seek to avoid workplace conflict, and if it occurs, respond fairly and quickly to provide the means to resolve it
- Administer all policies equitably and fairly, recognizing that jobs are different but each is important; that individual performance should be recognized and measured against predetermined standards; and that each employee has the right to fair treatment
- Recognize that employees in their personal lives may experience crisis and show compassion and understanding
- Ensure that all staff strive to observe and follow different policies available at FISD i.e. child protection, HIV and AIDs etc.

# LOGICAL SUPPORT

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We are supported by fully equipped offices located in Kanengo, Area 28 Plot No. 28/141, Next to Demeter warehouse. The offices are highly computerized with latest software for design, planning, and implementation of Water Supply, Irrigation Projects and GIS works. This is complemented by staff that is well trained in the usage of our state of the art engineering equipment, which has optimized output efficiency. Within our office Complex is also a Warehouse, Workshop and Showroom. FISD is able to make available a number of Four Wheel Drive vehicles, Tippers, Excavators, Dozers, Graders, Cranes just to mention but a few. The offices are connected to Fiber Optic internet services with independent telephone lines.



# EQUIPMENT CAPACITY

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FISD Limited Company is equipped with state of the art equipment, plants and vehicles for construction, ground water exploration and drilling and electrical works.

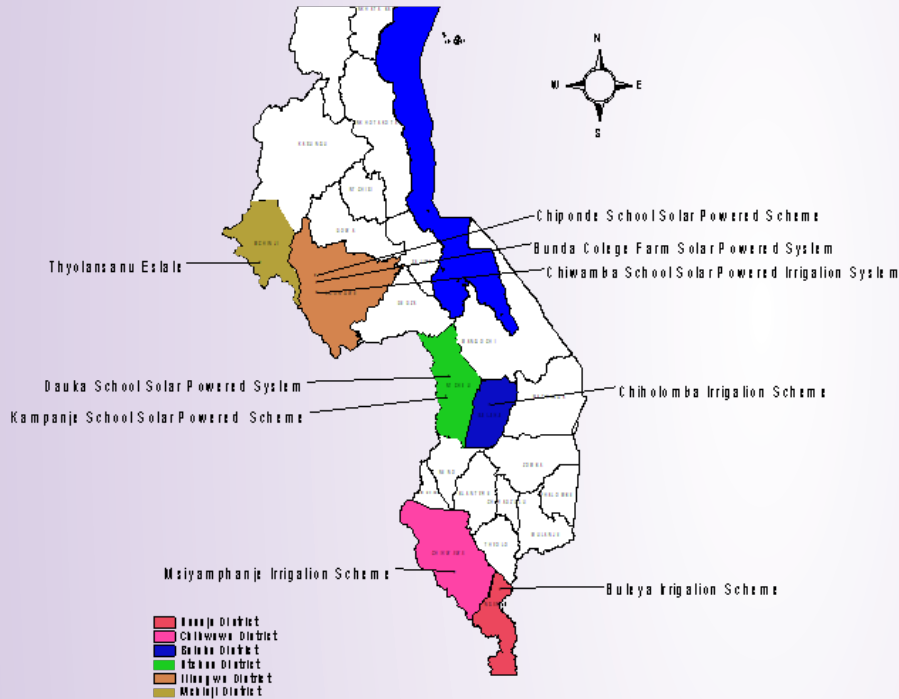
Biggest drilling rig in Malawi that drills the deepest depth and the widest diameter (750 metres and 300mm respectively)



Part of the surveying equipment that FISD uses



## DISTRICTS WITH FISD SOLAR INSTALATIONS



## ORGANISATION EXPERIENCE IN IMPLEMENTING SOLAR POWERED IRRIGATION SYSTEMS

# Mobile Micro Irrigation Systems



At FISD, we continue to champion innovative, sustainable, and accessible irrigation solutions tailored to the realities of Malawian farmers. Our **Mobile Micro Irrigation Systems** are a game-changing response to the growing demand for affordable and flexible irrigation technologies.

These solar-powered, portable irrigation pumps are designed for mobility—enabling farmers to transport them easily to and from their fields. This mobility promotes **cost-effective sharing among farmers**, particularly within cooperatives or irrigation clubs. Whether supporting an individual with a plot **smaller than one acre**, or a group farming up to **10 hectares**, our mobile systems are adaptable to varying needs.

The systems run on clean, renewable solar energy, reducing dependency on fuel and minimizing environmental impact. They help farmers irrigate consistently, extend their growing seasons, and ultimately increase yields and income.

FISD has successfully deployed these systems in collaboration with respected development partners such as **Plan Malawi, GIZ, FAO, Concern Worldwide, WFP**, and the **vvv**. Through these partnerships, we have extended access to micro irrigation technology to rural farmers—supporting livelihoods, boosting resilience to climate variability, and promoting inclusive agricultural growth.

# Partnership & Collaborations

We are Authorized dealers of  
SeineTech SL of Spain products and  
CRI products of India and South Africa.



FISD Technicians in a Training Session on  
Pump maintenance in Midland South Africa



# Trainings & Capacity Building

**We believe in building the Capacity  
of our staff**

We trained our three Directors up to Master's Degree Level in Italy, Germany and United Kingdom. This was done to ensure we compete at that level as a company.

WE trained Four Drillers in Kenya on new drilling Techniques

Eleven FISD Staff were trained by CRI SA in November, 2016 on pump maintenance



**SEINE  
TECH** | Solar  
Water  
Pumping

# FISD Corporate Social Responsibility

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FISD is a proud former sponsor of Football Association of Malawi – FISD Challenge Cup



Through Hope for the Blind, FISD used to pay fees for 300 Secondary school going Blind students, and still supports Hope for the Blind financially.

For All donor Funded projects by the charity arm (Foundation for Irrigation and Sustainable Development) we contribute 80% of Salaries

# WHERE WE ARE



FISD Limited Company is located in Area 28, Kanengo, Next to Demeter.



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