



FORT HERMON

CAPABILITY PROFILE

...DELIVERING QUALITY SERVICES

DIVERSIFIED ENGINEERING SERVICES

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About us

- Fort Hermon Limited (RC 127924 7) was incorporated to offer high value engineering solutions to the civil infrastructure and related industries.
- Our Civil department offer specialized Engineering, Construction and Project Management Services.
- We specialize in diversified engineering contracts such as Fabrication and Installation of PreEngineered Building, Civil and Mechanical works; We offer cost-effective steel building solution in addition to conventional structures, below and above ground concrete works; Equipment foundations, Drainages and Storm Channel, Dykes walls and Irrigation structures, Road design and construction services.
- FHL offers broad array of steel building products that covers applications in major market segments including Heavy & Medium Industries, Retail & Logistics, General Engineering & Infrastructure, Commercial/ Low-rise building, Warehouse, Oil & Gas support and Leisure structures.
- We have seasoned in-house design team to evaluate every aspect of work we do.
- Fort Hermon Ltd boosts the latest equipment for Building, Civil and Marine related works.

Our Mission

- To provide High quality construction work and project within schedule and on budget by utilizing and developing local construction capacity.
- To build a world-class civil infrastructure and construction company (for Africa) by providing value engineering to the most complex of civil projects.

Our Vision

Our commitment to continuously achieve the highest level of customer satisfaction by producing outstanding first-class services that is competitively superior, cost effective with delivery through our most valuable and highly talented PEOPLE who are the keys to our success

Our Core Values



Professionalism



Teamwork



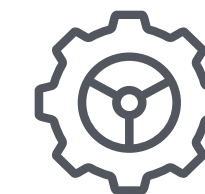
**Customer
Satisfaction**



Leadership



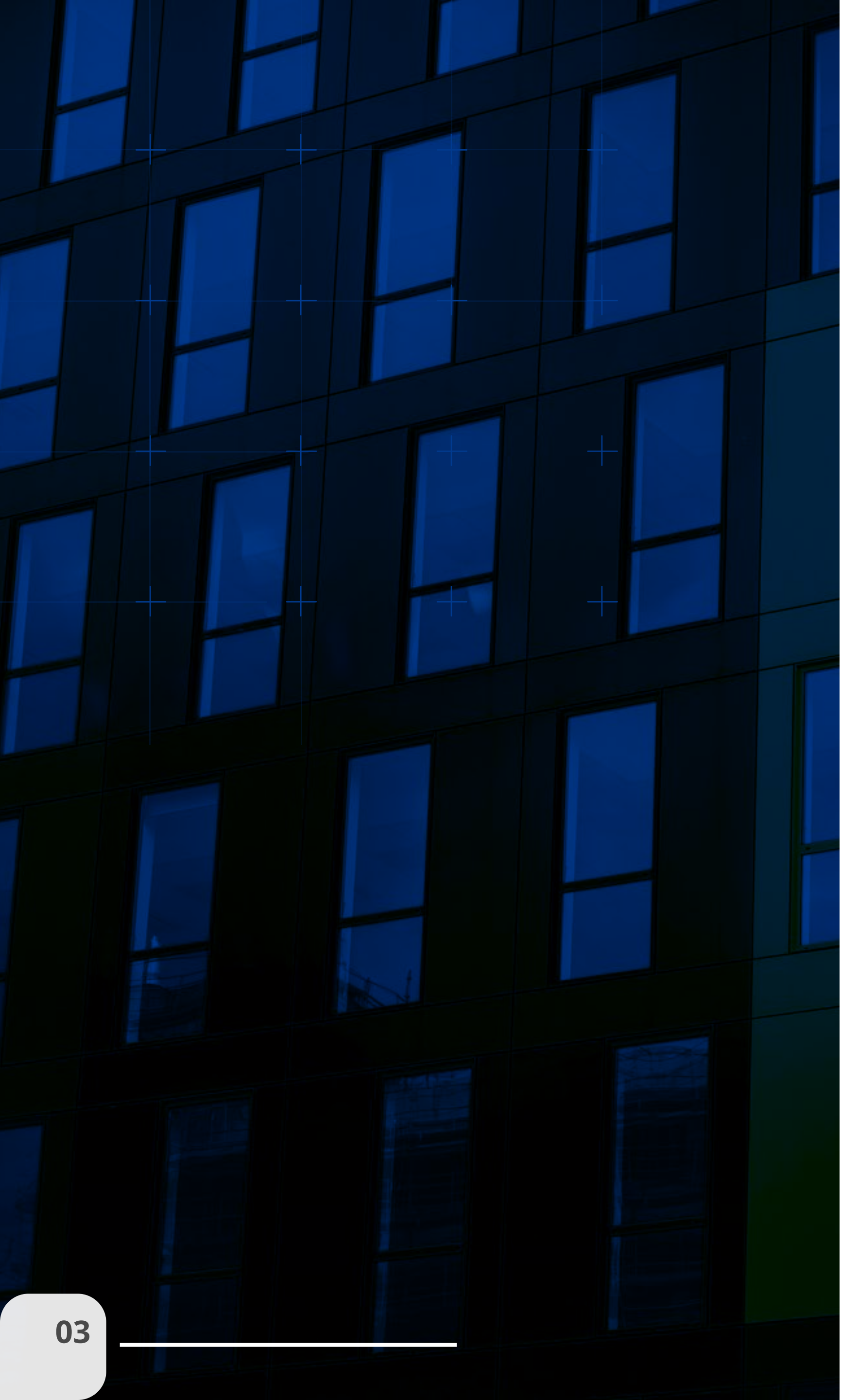
Innovation



Performance



Safety



Quality Policy

Fort Hermon is committed to providing high quality Civil & Engineering services of international standard that meet or surpass our customers' expectations at a cost and speed that represents value to the company and the environment. We will achieve this through the effective implementation of quality management systems and processes using innovative technology.

Towards this policy, our objectives are:

1. The development of robust and efficient business processes in line with our core values.
2. Regularly review our processes and operational frameworks based on (Internal and External) customer feedback, with a view to ensuring continuous improvement and sustainable development.
3. To be environmentally focused in every aspect of our operations, service delivery and product development.
4. To implement quality management systems and processes that ensure compliance with customer, regulatory and statutory requirements.

Corporate Health, Safety & Environment Policy

Fort Hermon Limited (Company) is committed to build value through developing sustainable long-term relationships between owners and the communities. It is the Company Policy, through the compliance with all applicable legislations and standards, to conduct all our activities in order to pursue the following principles:

- Prevent damages to property and loss of assets due to accidents.
- Avoid and minimize harm to all personnel involved in or exposed by Company's operations.
- Protect and promote the health of those impacted either directly or indirectly by Company's operations.
- Avoid and minimize adverse effects of Company's operations on the environment.
- Respect the interests and needs of neighbors and the surroundings.

In order to fulfil these principles, the Company is developing the HSE Integrated Management System (HSE IMS) that systematically identifies access and manage all the HSE aspects related to its activity.

Our Company is committed to assure high standards of health, safety and environmental protection; these aspects require us to have equal prominence with other business considerations in the decision-making process.

Buildings

Pre-Engineered Building Fabrication, Installation and Completion, Conventional building works (low, medium-rise) Estate Development & Infrastructures.

Mechanical and Instrument Installation and Structures Erection work

Prefab Sandwich Panel for camps and FOBs, Site office and Remote Operation Bases, site and accommodation

Standard Foundation Work • Shoreline protection, Tank Base & Footing, Plinth.

Support Services for Piling and Deep Foundation works

Roads, Bridges and Channels

Highway, Truck Roads, Precast Bridge sections, Road Drains & Culverts.

Road paving operation (Concrete and Asphalt) - Supply and provision of machinery, operators & labour.

Airport Tarmac/ Runway New Built/ Upgrade & Hangers

Agro- Irrigation

Storm & Irrigation Channel (Conventional & Pipework), Retaining Structures, Dykes & Earth Dams,

Integrated Services

Precast Element Production and installation

Precast sections for culvert, drains walls and Filigran slabs, Precast Stairs, Streetlight poles, Streetlight foundations, Plinths, Septic Tanks and Soakway chambers, Precast building sections, Kerbs, Crash Barriers, Highway dividers and bridge sections

Dewatering Services

Provision of WellPoint and Surface / Sewage Pumps, dewatering operations

Support Services for Oil and Gas installations

- *Procurement of Casings, Equipment, Flanges, Pipes and Manifolds*
- *Pipelaying support services - Dewatering, Access clearing and Earthwork, Equipment provision for pipelaying.*
- *Procurement of Corrosion protection chemicals and materials, Weld joints integrity services and Provision of Bentonite and other chemicals*

Integrated Services

Our Capability

In today's world of increased complexity and specialties, our goal is to provide high quality service, innovation in design and planning, cost effective and functional projects, as well as a dedicated response to our clients, FHL is experienced in a variety of disciplines including Structural, Civil, Transportation and Utility infrastructure engineering and construction management.

We take pride in our professionalism and we are committed to the provision of best quality of services to our clients, as far as possible we seek to develop our own management procedures using in-house staff resources to ensure that our processes are cost effective and suited to the needs of both our company and our client. Our QA/QC systems are evolving constantly in accordance with emerging industry standards



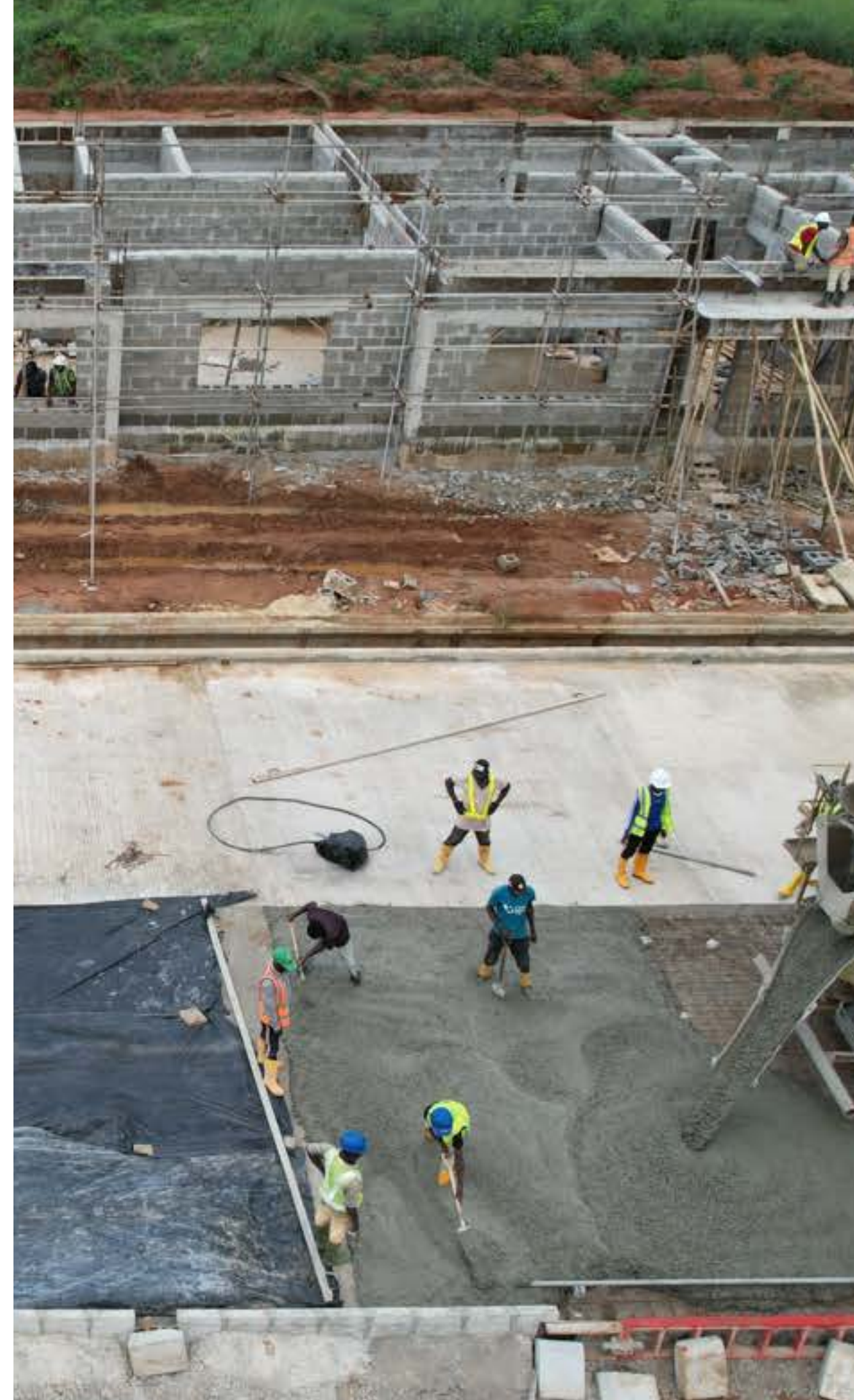


Building Services

We have in-house capability to prosecute any simple or complex PEB structure and associated civil works, our engineers and builders have vast experience in delivering project of varied sizes. Our scope of services in building and civil work covers the following:

- Pre-Engineered Building Fabrication, Installation and Completion.
- Conventional building works (low & medium rise); Industrial Parking and Loading Bay.
- Bund / Dyke Wall and Retaining Structure and Slope Stabilization Work.
- Equipment Foundation and other related civil works.
- Mechanical and Instrument Installation and Structures Erection work.
- Prefab Sandwich Panel for camps and FOBs, Site office and Remote operation bases and accommodation.

Building Renovation Works



FHL Renovation team (FHL RENTeam) are specialists in renovation and conversion of structures including upgrades and modification work. Our in-house team of designers work with our clients from concept to delivery of all modification projects.



Equipment Foundation Work

Fort Hermon Ltd Civil Department is well equipped to handle all forms off equipment footings, plinth and foundations for from heavy refinery structures to Quarry equipment foundation and as small as generator and transformer plinth of varied sizes and complexity.

We have successfully executed projects for Nexus group and Dangote Group Granite Mines' Main Quarry Plant both in Ogun State Nigeria.

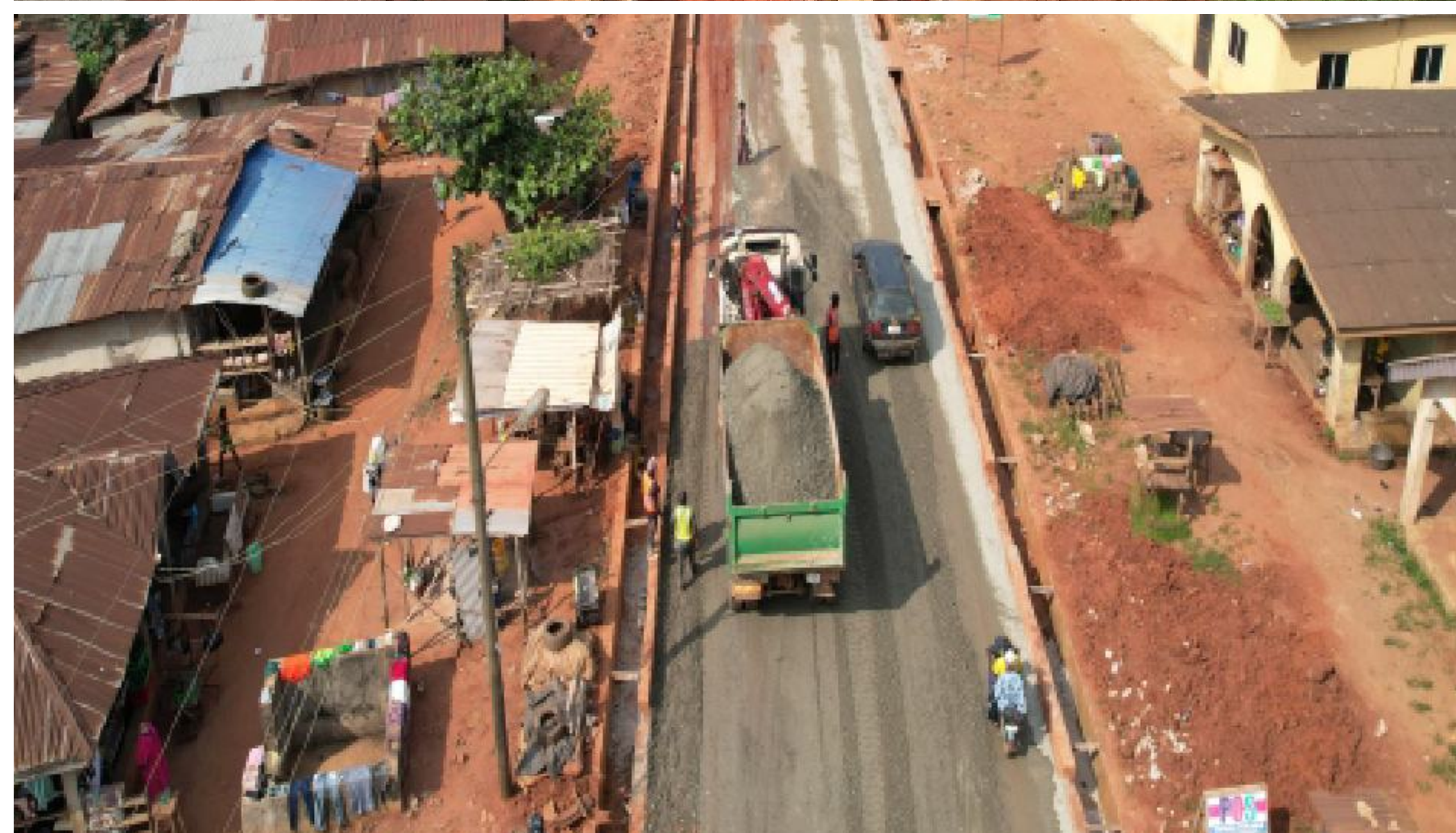
Infrastructure Services

Fort Hermon Ltd has the capability to deploy earth-moving equipment for ground stabilization, cut & fill operation, ground preparation & Excavation work. We can mobilize our equipment to site on call basis and establish presence on site including setting up of site camp and FOBs for advance construction party on a short notice.



Roads, Bridges And Channels

- Highway, Service Roads (Rigid/ Non- Rigid), Precast Bridge sections.
- Road Drains, Culverts & Manholes.
- Construction of Residential Road & Infrastructures.
- Construction of Loading Gantry Parking Area, Slope Stabilization Work.
- Early Site Entry Work for remote Oil and Gas installations.
- Cut & Fill work, Ground Stabilization work.
- Airport Tarmac/ Runway New Built, rehabilitation/ Hanger Upgrade.
- Farm Airstrip and Airparks landing strip



Road Infrastructure





Agro- Irrigation/ Water Control Structures

Storm Canal & Irrigation Channel (Conventional & Pipework),
Retaining Structures, Dykes & Earth Dams



Specialized Paving Services

Complete Concrete Paving Services

**Highway 11 Roadway 11 Parkway 11 Truck-Trailer Park 11
Gantry Parking Area 11 Airport Runway & Apron**

It is known fact that Nigeria roads are abused constantly with unregulated loads and weight of trucks in and out of the commercial, Port and Manufacturing hubs and cities all over the country. Imagine a pavement so strong you it could bear the load of a commercial airliner, a pavement so thin that a section no thicker than 250mm can carry tens of thousands of trucks and cars for years. This is what we refer to as The Concrete Pavement Advantage (TCPA).

Similar projects are the on-going construction of roads in the Dangote Refinery Complex, Obanjana - Kaba Road, and the Apapa Port Road. All these roads are built of concrete for one reason only; it lasts longer and does carry more weight.

At Fort Hermon Ltd, we pride ourselves to be the "go-to-company" for all your major concrete road paving projects.



Highways / Rigid Pavement

Highway/ expressways are important to a Nation's economy; this is the conduit for moving people, connecting rural and urban areas to increasing personal mobility and speeding the delivery of products to market, concrete pavements have been used to build, rehab, and preserve hard-working highways. For divided urban and rural highways to interstate and intercity facilities-and a wide range of collectors, feeders, and more, concrete is the right choice for Nigeria highways.



Airports Runway

It's no wonder that so many airports rely on concrete pavements. There should be no question about the strength and pavement reliability when airports clear a 300-ton commercial aircraft for landing. Concrete pavements deliver the strength, durability, and versatility that commercial, military, and regional/ general aviation airports demand.

Streets & Roads

Street roads are essential as they are the areas with the largest concentration of static traffic, concrete pavements provide safe, reliable service to cities; townships and villages; military installations, and homes. Concrete pavements offer versatile, long lasting solutions for just about any type of street or road ... and in any setting. Looking to enhance the beauty and performance? For projects large or small, high volume or low, concrete pavements answer the call with quality solutions. FHL is equipped with the latest machinery and technology to deliver such project either as a turnkey or project support service provider.

In addition to concrete road surface; FHL provides paving services for sidewalks, service chambers, V - Ditch, crash barriers and kerbs to enhance the road project.



Industrial/ Commercial Pavements

FHL is experienced in design and provision of concrete pavement for Industrial areas. Distribution centers; test tracks and race tracks; toll plazas; and other large-scale industrial facilities can be brutal proving grounds for pavements. Unfortunately, flexible pavements are not a good match for heavy loads, vehicles with tight turning radiuses, and other conditions that call for long-lasting, strong concrete pavements.

Concrete pavements-backed by a professional network offering technical and design services-can solve even the most challenging requirements.

Repair work

Ever wonder why you're resealing, repairing, and even replacing your largescale asphalt pavement parking lots so often? Versatile, long-lasting concrete pavements can help you stop the endless cycle of costly maintenance and repair, as well as the expensive job of replacing surfaces. Some of these solutions can use existing asphalt as a base material.

At FHL, we are ready at a short notice to mobilize anywhere within the country to meet our clients' need and offer cost saving measures to their projects by delivery reliability and quality. We are currently supporting the Dangote Refinery project with concrete road pavement operation within the batching plant complex of the refinery site. We are investing in New technology to enhance our operation and give our customers cost saving advantages on their project.

Equipment

- Wirtgen SP 250 for paving width up to 3metres, Insitu Kerb, Barrier and Ditch work
- Wirtgen Slip form Pavers SP60 / SP94 Series
- Concrete Batching Plant to guarantee constant production of concrete
- Transit Mixers for continuous supply of mixed concrete to our slipform pavers.
- Broom Finish Screed and Floats, Groove Cutter and Reinforcement Station
- Motor Graders
- Compactors
- Dedicated Base Course Paver
- Water wagon



Road Paving Services

ASPHALT & CONCRETE ROAD PAVING OPERATION

FHL is experienced in a variety of disciplines including transportation and utility infrastructure engineering and construction management. We complete every project on time and at competitive prices. Our team is fully licensed and bonded and we use the latest technology to make sure the job is done right the first time. Your satisfaction is always our top priority. Our paving crew are experienced in Chip seal, Asphalt and Rigid Pavement & Surfacing. We provide both commercial, public and private (residential & estate roads) asphalt paving services. Our clients are guaranteed quality paving services from our highly trained staff. We aim to become a one stop leading provider of dedicated asphalt paving services in Nigeria offering exceptional services in the area listed above.



Our Industry- Leading Paving Services:

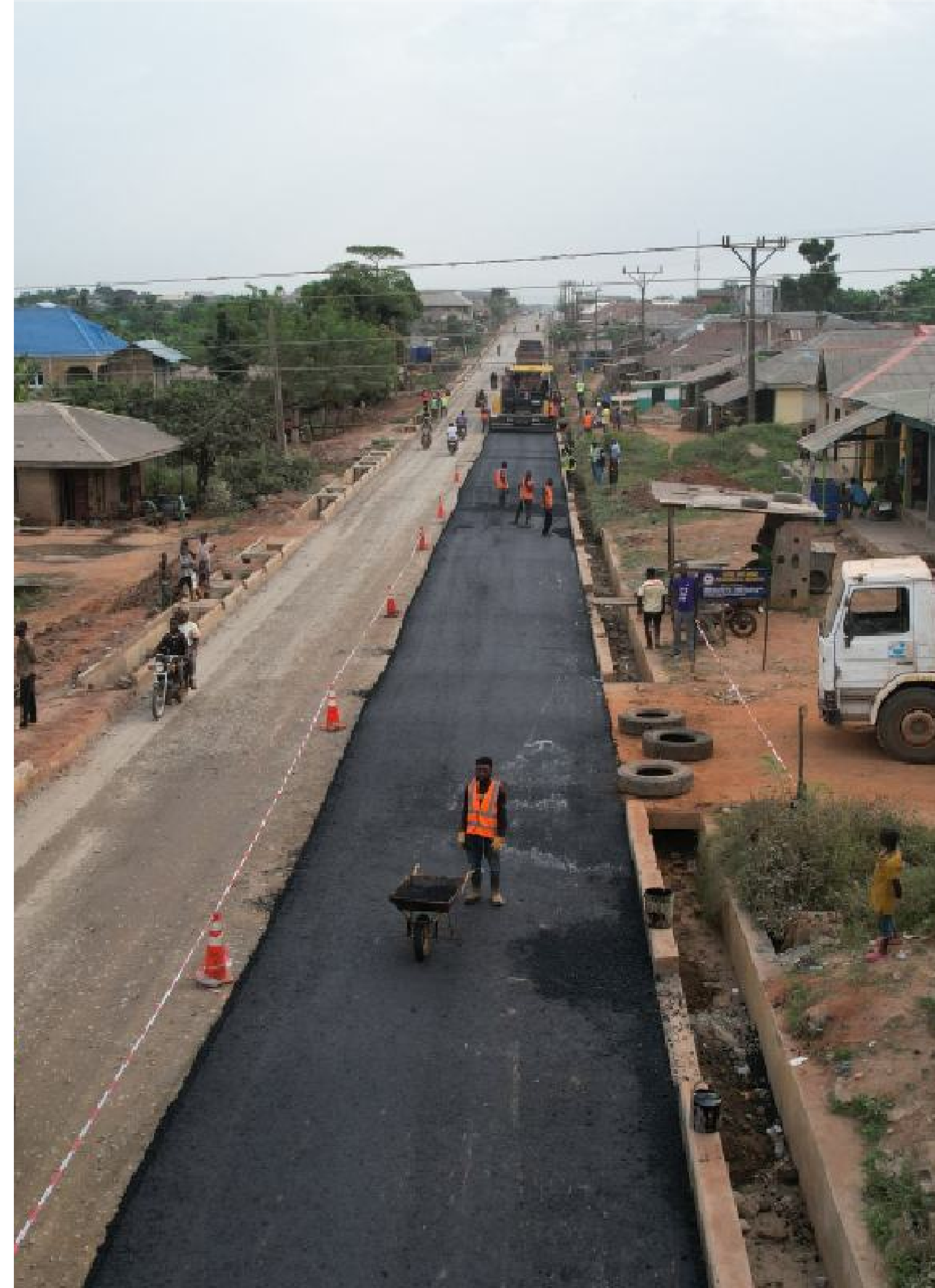
- Dedicated Full Asphalt Paving Work
- Asphalt Road Repair & Patch work
- Concrete Paving Add-on Service
- Highway Median Barrier, Slipform Kerbs and Ditch.
- Prime Coat and Tack Coat application
- Production and Application of Polymer Modified Bitumen Base Course application using Pavers
- Airport Runway and Apron (Joint Concrete & Asphalt Work)

Complete Asphalt Paving And Resurfacing Services

Highways • Driveways • Parking Lots • Farm Roads • Airport & Airstrip • Oil Field and Utility Stations

Start-to-Finish Paving

There's more to asphalt paving than laying asphalt. We have the skill and training to handle every step of an asphalt paving job. We do all the dirt work, grade the area, put down high-quality asphalt, and pack it down to create a smooth, long-lasting surface.



Resurfacing

Over time, any asphalt surface begins to deteriorate. We offer affordable asphalt resurfacing with fast turnaround times. Using the old asphalt as a base helps us save time and money and saves us from having to put down additional layers. We pass these savings on to our customers. A resurfacing job takes anywhere from two hours to two days, depending on the size of the area.





Perfect Striping/ Road Marking

Our work doesn't finish once the asphalt is down. We offer striping services in collaboration with our sister company Ronchess Global Resources Ltd for parking lots of all sizes, Roads and intersections. Our work is always neat, clean, and precise.



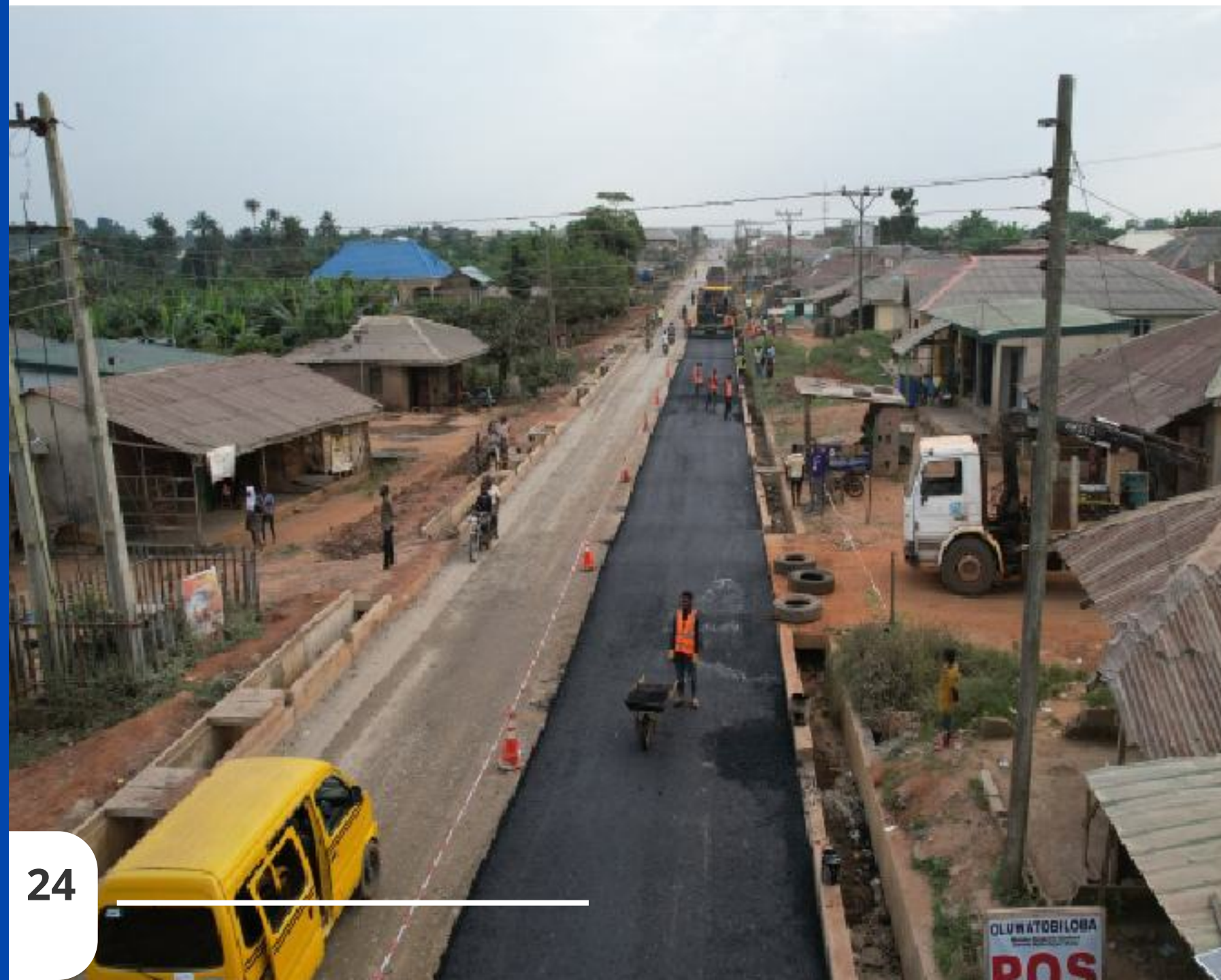
Our Equipment includes;

- Bomag BFB00 Super Paver: - With Screed extension to 5m Paving width
- Vögele Super 2100i: - With screed extension up to 9m and 12m for specialized job like Airport Runways and Highways
- Tandem Asphalt Roller
- Pneumatic Tyre Roller
- Walk Behind Roller
- Curbside compact rollers for tight spaces.



Prime Coat Application

FHL is equipped for Prime Coat and Tack Coat application for our customers either as a stand-alone service or as part of an overall surfacing package. Fort Hermon Paving Service has a 45MT Bitumen Bulk Carrier Truck for quick delivery of Bitumen to job site; this gives us the advantage of completing any project within the country on time. Our 10MT Bitumen distributor has a spraying head extension to cover 6-8metres. Our operation is supported by an Emulsion Plant capable of producing 15TPH with Polymer Modified Bitumen blending system.



Repair Work

Emergency Repair work on cracked walkway, rural road, oil field & utility station access roads, Highway, parking lot or airport / Airfield apron and runway (tarmac) can be delivered on time and on budget for our clients, get in touch with us for a professional finish for all requirements in asphalt and concrete surface projects. Our team of engineers can **work overnight** to ensure essential trunk roads are available for next day usage



FORT HERMON LIMITED – GROUND WATER CONTROL & DEWATERING SERVICES

Dewatering and Ground Water Control

Fort Hermon Ltd has partnered with Concrete Logistics Nigeria and the South African market leader in ground water control, WELLCORE Closed Corporation, to provide the Nigerian construction industry it's wealth of experience in WellPoint dewatering. WellPoint dewatering system is the most versatile form of dewatering, capable of dealing with a wide variety of ground conditions from very silty fine sands to coarse sands and gravel.

Dewatering systems are routinely used to provide temporary reductions in ground water levels for structures which extend to below the groundwater level. Dewatering systems may be used around open cut excavations or in conjunction with shoring or retaining walls.

Fort Hermon specializes in the design, installation and management of WellPoint dewatering, deep well dewatering and sump pump dewatering operations.

Well point System

A wellpoint dewatering pump is used for lowering the groundwater level during construction work. The PT positive displacement pump is by far the best choice to guarantee a dry pit during site dewatering. These pumps are usually diesel driven and feature a sound attenuated canopy. The pump can also be supplied with an electric drive or in open frame. Choose our PT wellpoint pump for all your dewatering needs.



PROJECT EXPERIENCE

CLIENT- DANGOTE OIL REFINERY COMPANY

LOCATION - DIFZE, LEKKI FREE TRADE ZONE

YEAR- 2018

Benefits of WellPoint system includes:

1. Quiet pumping operation especially in areas with noise restriction, office area and residential areas
2. This system is able to provide a completely dried surface for work and excavation by lowering the groundwater.
3. Operational cost is less than surface over pumping operations.



How does a well point dewatering pump work?

The WellPoint pumps are positive displacement pumps and fully self-priming. They can handle any mix of water and air without requiring a separate priming system. Once the pump is connected to a well point dewatering system; The pump creates a vacuum via the header pipe and starts lowering the groundwater level.

Deep Well Dewatering

Deepwell dewatering systems lower groundwater levels using a series of drilled wells, each fitted with its own electric submersible pump. Large drawdown as much as 40 meters can be achieved. We carefully design and install deepwell systems to maximise drawdown and pump efficiency whilst ensuring a discharge free of suspended solids.

Why Use Deep Well Systems?

Deepwells are ideally suited to granular soils and rocks, where the permeability is medium to high. The number, depth, and spacing of wells along with size of pumps can be adjusted to meet site conditions. Deepwells are installed with our rotary borehole drilling rigs and piling drilling rigs. We only use high quality machine cut slotted PVC well screen and selected filter materials.

Fort Hermon uses its personnel significant experience of designing and operating Deepwell dewatering systems to design and implement new schemes.

We provide a central control cabin which powers and control multiple pumps from a single location. Control options include automatic mains failure (ATS) switchover to standby power, visual/ audio/ GSM text alarm systems, and remote data logging for monitoring discharge flows and groundwater levels.

Deep wells are ideal for deep excavations, shafts, basements, underpasses and tunnels.

Water Management (WTS and Borehole Drilling Dewatering)

Our team of specialist engineers and scientists combine their experience and skills to offer a comprehensive range of services relating to water management problems. Projects range from planning and analysis of river catchments, through water resource development, to the design and implementation of storm water control measures. Our services cover water quality and quantity, and we use technology and experience to optimize water and effluent control for our Agricultural /industrial clients. By integrating our surface and ground water skills, we are able to adopt a holistic approach to surface and ground water issues.

We assist agricultural sector in the design and implementation of monitoring systems, including the selection and procurement of instrumentation. Routine monitoring services are available through experienced field technicians.

- Reservoir yield analyses
- Pipeline design
- Canal analysis and design
- Storm water management
- Optimization of water usage
- Water supply & reticulation systems
- Dyke and Earth dam design and safety inspections
- Conjunctive use of surface and ground water
- Erosion / Flood Control

Sump Pumping

Sump pumping is the simplest dewatering technique, whereby groundwater is allowed to seep into the excavation, and is then collected in sumps and pumped away for disposal. Each sump is equipped with a robust pump with the capacity to handle some solids.



Pipe Laying

Fort Hermon uses high-density polyethylene pipe (HDPE) pipework for all our pumping systems and dewatering installations. Our Pipeline services include supply, fabrication and welding. Offering a turnkey solution, we can complete all pipeline services from Design and Construct to Installation, including Earthworks and Dewatering. Works range from emergency repairs, shutdowns and maintenance upgrades, through to complete piping system installations.

It is a cost-effective solution for a broad range of piping requirements and is extremely durable, reliable and leak-resistant. It is easily installed by our trained and certified welders and can carry potable water, groundwater, wastewater, slurries, hazardous wastes and slurries. It will guarantee long service and troublefree installation.

All welding for our HDPE piping systems is performed in accordance with thoroughly developed quality standards, with all weld parameters calculated and recorded on weld logs and all work performed under our accredited safety management system.

FHL has access to state-of-the-art welding equipment, which reduces on site manpower requirements and improves productivity, reducing project cost and enhancing your bottom line.



Rentals

Fort Hermon Ltd rent a wide range of materials and equipment in the dewatering, pumping fields. Our modern fleet of up to date, durable equipment and our sales and operations teams can assist in selecting the right technology to meet your project needs. We stock a large fleet of the following pumps:

- Electric pumps from 3.6m³ /hr to 240m³ /hr and heads up to 100m
- High head diesel pumps from 40m³ /hr to 1000m³ /hr and heads up to 150m
- Low head diesel pumps from 30m³ /hr to 465m³ /hr and heads up to 26m

Our pumps are known for their reliability and fuel efficiency, a key driver in pump selection.

- Drilling rigs with diameter 150mm to 1000mm and depths of up to 1500m
- Wide range of water remediation plant including settling tanks, Sand traps and clarifiers .



PROJECT EXPERIENCE

S/N	NAME OF PROJECT	YEAR AWARDED/ COMPLETION	CLIENT
1.	Construction of 9,500sq Cashew Nut factory; 4,850sqm Warehouse and chemical store, including roads and perimeter fence for Robust International PTE Ltd	Nov 2022- June 2024	Robust International PTE Ltd
2.	Construction of Hospital Road, Ogijo	Nov 2022 – May 2024	Ogun State Government
3.	Reconstruction of Siun – Owode (Phase 1) Section of Siun-Owode-Ofada Road in Obafemi Owode Local Government Area	July 2022 – April 2024	Ogun State Government
4.	Construction of 10,000sqm Warehouse, Staff accommodation, Truck park, road infrastructure, admin office and drivers Lounge	September 2022- November 2023	JOF Salt Ltd
5.	Management of Institute Plantation at CRIN Headquarters	July 2022 – April 2024	Cocoa Research Institute of Nigeria
6.	Construction of 1,500sqm warehouse for JOF Salt Ltd	March 2022 - September 2022	JOF Salt Ltd
7.	Reconstruction of Journalist Estate Road, Arepo	Jan 2021 – Nov 2022	Ogun State Government

8.	Construction of Warehouse extension and Hardstand Truck for JOF Nigeria Ltd	October 2020 - Jan 2021	JOF Nigeria Ltd
9.	Provision for Production and Installation of Precast Perimeter Compound Wall at MFS OML 13 in Iko Town Eastern Obolo, Akwa Ibom State	August 2020	Pareallel Runways Enterprises Ltd
10.	Construction of Road Network within Ocean Bay Estate	May 2020 – August 2020	Octo5 Holdings Ltd, Lagos
11.	Construction for External Boundary Road and 1 Block Road at Ocean Bay Estate	March 2020 – Nov 2020	Octo5 Holdings Ltd, Lagos
12.	Construction of 3,000sqm warehouse and infrastructure for HMD Africa at Alaro City	Feb 2020 - November 2020	HMD Africa, Alaro City
13.	Construction of General Area Surfacing, Fence and Site filling	Jan 2020	HMD, Lagos

PROJECT EXPERIENCE

14.	Construction of Internal Roads/Landscaping for affordable homes project at New Makun City	May 2019 – June 2019	OPIC, Ogun State
15.	Construction of 11Nos Utilities/Services building at JARO Packaging Factory	Oct 2018 – July 2019	JARO Industries Ltd
16.	Construction of 254m length of single carriage way road at MTR Gardens, Isheri	May 2018 – June 2019	OPIC, Ogun State
17.	Emulsion application on Sunti Airstrip	May 2016	Sunti Golden Sugar Estates, Niger



Completed Projects







THANK YOU



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