

BUILDERS MAGAZINE

BM SEPTEMBER OCTOBER 2022



**GAHIR ENGINEERING
WORKS LTD.**

Mechanical Engineers & Manufacturers



GRIZZLY VIBRATING FEEDER



CONCRETE MIXER



BLOCK MAKING MACHINERY

Gahir Complex , Pate Road
P.O. BOX 78252 - 00507 Nairobi,
Tel: 0203540541/428, 0202042837, 0202333541
Cell: +254722510238, +254722510237,
+254722758299, +254729853376
Email: info@gahirdesco.co.ke



DE LEEUW
GROUP
QUANTITY SURVEYORS



Offices
Bloemfontein
Cape Town
Dubai
Durban
Johannesburg
Nigeria
Pietermaritzburg
Pretoria
Qatar
Rustenburg
Saudi Arabia
Stellenbosch
Windhoek

RECEIVED AN AWARD
FROM THE GREEN BUILDING COUNCIL



SCAN ME

www.deleewgroup.com

branding | gstudio.co.za

Thiba Dam Water Project In Kenya Finally Complete



Sitting on a total area of 542 acres, spanning 1 kilometer long and 40 meters deep, the Thiba dam in Kirinyaga county, Kenya, has finally filled up. This was announced by Mr. Daniel Nzonzo, the head of corporate communications at the National Irrigation Authority. Nzonzo said that the dam took approximately three and a half months to be filled with 15.6 million cubic meters of water.

Overflows into the river channel are directed into the spillway, which acts as a safe evacuation route. According to Mr. Nzonzo, the river's hinterland has a 180 cubic meter catchment in the rainy season, most of which will flow via the spillway

Through the spillway, four cubic meters of water per second are released from the dam back into the river. He said that there isn't a

risk that there will be a spillover into the area, that the dam will break, or that floods will occur. Due to their strength, the walls can withstand water.

The dam is expected to boost the region's irrigation, in which rice farming is primarily carried out.

According to the National Irrigation Authority, an additional 10,000 acres of land are expected to be added to the Mwea irrigation scheme. The land will be used for the cultivation of rice since there is enough irrigation water.

The dam's capacity to provide irrigation during dry seasons to local rice farmers was good news. During dry seasons, according to Nzonzo, the gates of the dam will be opened to let water flow to the rice paddies



at the Mwea Rice Scheme. This is to maintain the output.

Background

The Thiba Dam project also referred to as Rukenya Dam, is a dam in Rukenya, Kirinyaga County, Kenya. The dam will be 1

km wide and 40 meters high. The dam's reservoir will at least have an area of 542 acres, having a water storage capacity of around 15 million cubic meters.



sustainable & long term
WATER STORAGE SOLUTIONS

PRESTANK
Pressed Steel Sectional Water Tanks

sustainable & long term
WATER STORAGE SOLUTIONS

Prestand is manufactured by
STRUCTA technology

STRUCTA technology
www.structatech.co.za

Structa Technology (Pty) LTD • P.O Box 2538, Vereeniging, 1930 • Tel: (016) 362 9100
e-mail:
Sales and Marketing: tanks@structatech.co.za • Estimator: watertanks@structatech.co.za
Director: rodney@structa.co.za

Publisher:

BARAKA PUBLISHERS t/a BUILDERS MAGAZINE

KENYA OFFICE

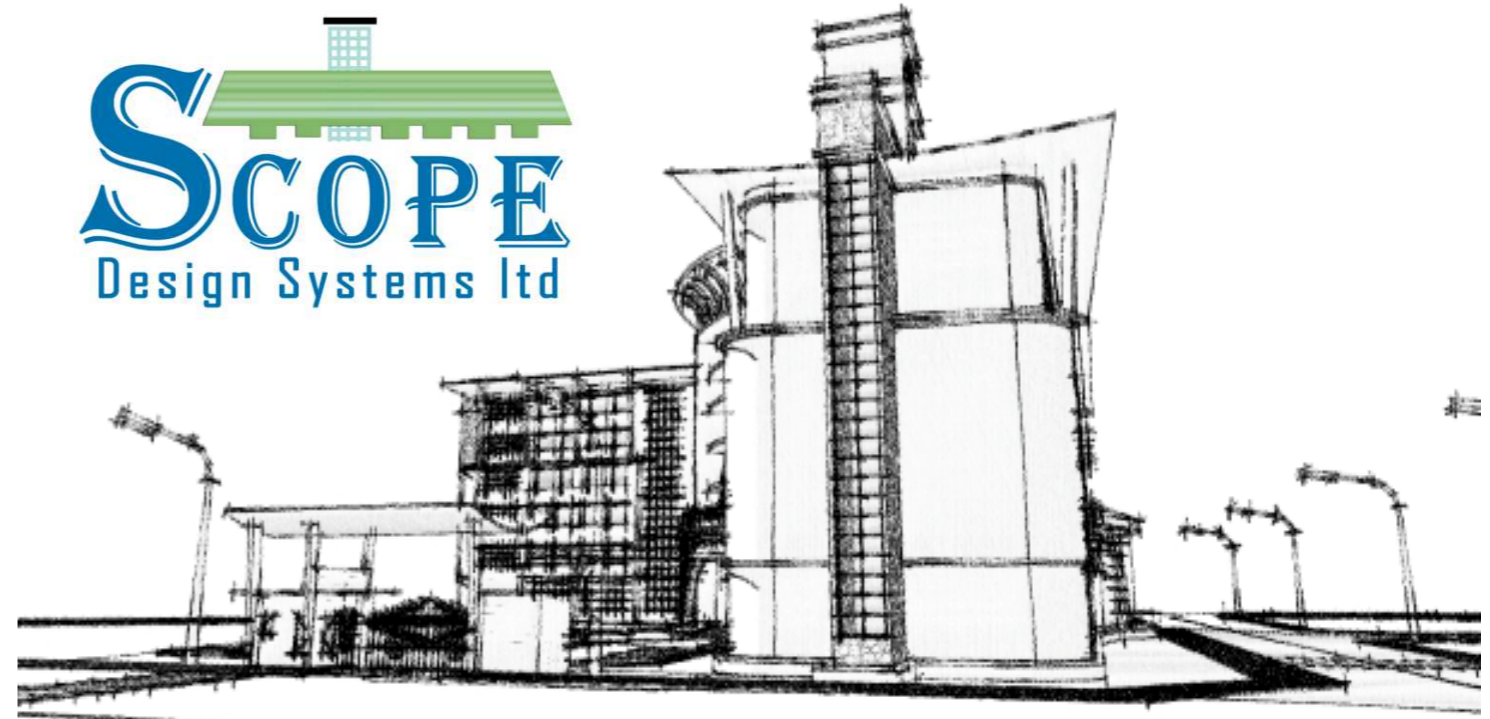
Tel: 0794513375 P.O Box 2014-20116 Gilgil

Email: info@buildersmagazine.co.ke Website: www.buildersmagazine.co.ke

Contributions

The editors welcome news items, press releases, articles and photographs relating to the Construction Industry. These will be considered and, if accepted, published. No responsibility will be accepted should contributions be lost, damaged or incorrectly printed.

© All rights reserved



GEOMAX CONSULTING ENGINEERS LTD.



Geomax Consulting Engineers Ltd offers the following services;

- i. Electrical Engineering Services
- ii. Mechanical Engineering Services
- iii. Electronic Engineering Services
- iv. Specialised Building Consultancy Services (Solar Power, Energy Audits, Energy Management etc.)



St. Hellen Lane off
Langata Road, Karen



+254 20 38 73430
/808/816
+254 722 207 236



P.O Box 53748 – 00200
Nairobi – Kenya

Membership, Affiliation and Accreditation

Engineer's Board of Kenya.
Ministry of public works
Ministry of Energy and Petroleum
Energy and Petroleum Regulatory Authority.
Association of Energy Engineers.
ISO 9001:2015

ABOUT US

we are committed to deliver

CONTACTS

Off Ngong Road, Nicholson Drive

P.O. Box 10591-00100, Nairobi, Kenya

Tel: +254 720 0124418,
2185551/020 2006139

Email: info@scope.designs.co.ke
scopedesignsystems@gmail.com
scopedesignscons@gmail.com

Website: www.scopedesins.co.ke



About Scope Design Systems Ltd

Scope Design Systems was started in 1997 as a firm of Architects and Town Planners and in 1999 under the arrangement of its directors, the firm expanded the range of services offered, to operate as Architects, Planners, Interior Designers and Project Managers. The firm has expanded the services to include feasibility studies, joint venture arrangements, consortium management and undertaking diverse Public Private Partnership (PPP) projects with National government and other international agencies.

The firm has extensive experience in a wide range of building projects. The multi-disciplinary nature of the consultancy enables us to provide a full range of services to the Government, Parastatal organizations and private sector clients.

Scope Design Systems Limited is among the first indigenous African firms in East Africa to computerize all its operations. This has given the firm a leading edge in design technology as far as design and management of large projects are concerned.

The Company Directors are Mr. P.J.Kuriah and Mr.I.Kamau who are registered Architects who possess extensive experience in building services spanning over a period of 21 years with 17 years post registration in Project Management and Arch. Kamau Isaac who has 14 years practicing experience, 11 years post registration of these in Architectural design and project management.



OUR CLIENTS - PARTNERS

OUR CAPABILITY - RANGE OF SERVICES PROVIDED BY SCOPE DESIGN SYSTEMS

- Residential Housing
- Commercial Buildings and Interiors
- Office Buildings
- Hospitality Developments,
- Hotels, Lodges, Resorts
- Institutions
- Industrial Projects
- Retail Facilities
- Health Care Facilities

- Parliamentary Service Commission
- Ministry of Health
- Ministry of Land Housing & Urban Development
- Ministry Industrialization
- Ministry of Agriculture – Livestock State Department
- Ministry of Education
- Kenya Civil Aviation Authority. (KCAA)
- Kenya Forest Services
- Kenya Institute of Supplies Management (KISM)
- KEFRI
- Centre for Disease Control CDC(KENYA)
- National Transport & Safety Authority (NTSA)
- Asili Sacco Cooperative
- Metropolitan National Sacco
- County Government of Westpokot
- County Government of Muranga
- County Government of Kakamega
- County Government of Nakuru
- Agricultural Development cooperation
- Kengen Limited
- University of Nairobi
- Machakos County Assembly
- Erdemann Property Limited



OFFICE - COMMERCIAL DEVELOPMENTS



(KISM)
KENYA INSTITUTE OF SUPPLIES
MANAGEMENT HEADQUARTERS
OFF NGONG ROAD.
Nairobi, Kenya
Client: KISM



AIR TRAFFIC CONTROL TOWER AND
OFFICE BLOCK
ATCT, WILSON AIRPORT.
Nairobi, Kenya
Client: KCAA



PUBLIC MARKET DEVELOPMENTS



MODERN MARKET, NGONG TOWN, Kajiado County.
 Client: NAMSIP (Nairobi Metropolitan Services Improvement Program)
 Project Complete



MODERN MARKET, JUJA TOWN, Kiambu County.
 Client: NAMSIP (Nairobi Metropolitan Services Improvement Program)
 Project Complete



PROPOSED MODERN MARKET, OLEKASASI, Kajiado County.
 Client: NAMSIP (Nairobi Metropolitan Services Improvement Program)

INSTITUTIONAL DEVELOPMENTS



PROPOSED SCHOOL OF HEALTH SCIENCES, Meru County.
 Client: Meru University



PROPOSED NATIONAL PHYSICAL SCIENCES RESEARCH LABORATORIES,
 Konza Technopolis.
 Client: Ministry of Education



PROPOSED MODERN COUNTY ASSEMBLY CHAMBER AND ASSOCIATED WORKS
 Machakos County.
 Client: County Assembly of Machakos
 Project Ongoing



INSTITUTIONAL DEVELOPMENTS



WANGARI MAATHI INSTITUTE (WMI) FOR PEACE ENVIRONMENTAL STUDIES UNIVERSITY OF NAIROBI.

Kabete, Nairobi

The project involves the construction of a democratic space, exhibition, a business centre, labs, classrooms, lecture theaters, auditorium, peace labs, restaurant, guest house, demonstration gardens, landscaping and accompanying civil works.



AREA CONTROL & DISASTER RECOVERY CENTER, Mlolongo, Machakos County.
Client: KCAA (Kenya Civil Aviation Authority)
Project Complete

SAMAR

CONSTRUCTION COMPANY



We Are Proud To Be Associated With

Scope Design Systems Ltd



EMAIL:

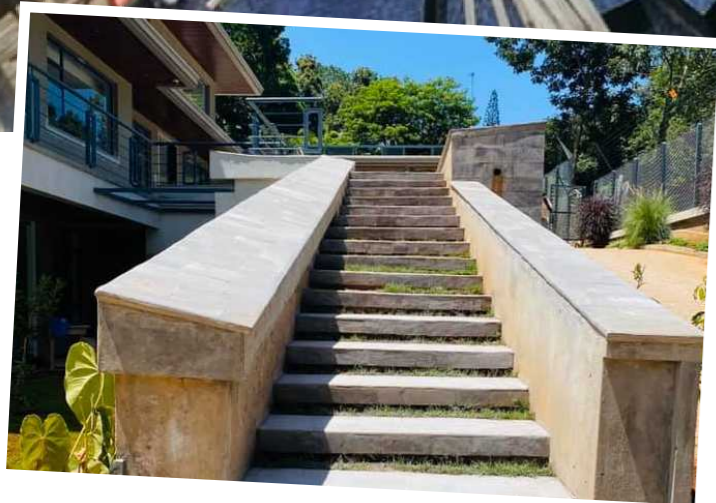
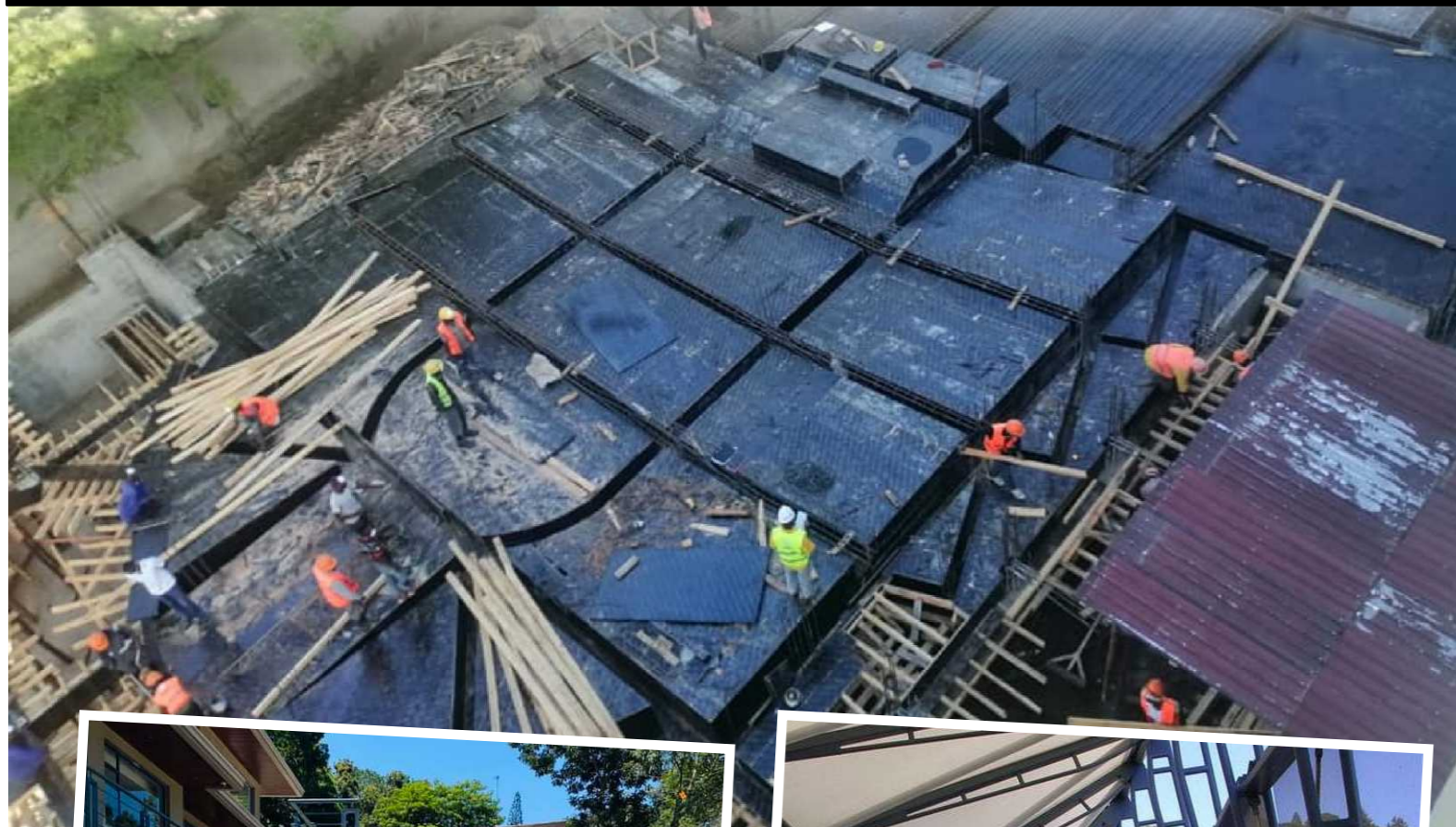
jmwsamar@yahoo.com

Tel: 0715197612

We were the contractors of Ladera Homes for
HOUSE AND HOMES LTD

AMBER

CONSTRUCTION COMPANY LIMITED



We Are Proud To Be Associated With Scope Design Systems Ltd.
We Were the Contractors in the Refurbishment of County House in
Nairobi County for the Parliamentary Service Commission.

Email: amberconstructionltd@gmail.com, mumoal@gmail.com
Phone: 0720935827

RESIDENTIAL DEVELOPMENTS



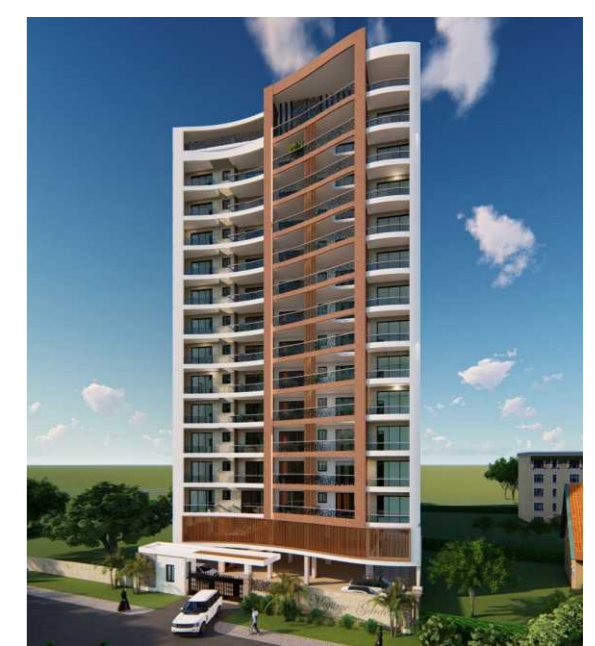
CITY VIEW SUITES, NGARA
Nairobi, Kenya. Client: CityView Suites



PROPOSED RIIKA SUITES IN NGARA,
Nairobi, Kenya.
Client: Oryx Property Limited



GREATWALL GARDENS PHASE II, MOMBASA ROAD
Athi River, Machakos, Kenya.
Client: Edermann Property Limited



PROPOSED FURNISHED APARTMENT
Westlands, Nairobi, Kenya.
Client: Private Client

Chepunyo Building Contractors

We are the contractors for Modern Interior and Exterior Designs for the new county assembly complex, West Pokot County.

✉ chepunyosam@gmail.com
☎ 0712974650



WE ARE PROUD TO BE ASSOCIATED WITH SCOPE DESIGN SYSTEMS LTD



Epco Builders Ltd.

BUILDING & CIVIL ENGINEERING CONTRACTORS
ISO 9001:2015 CERTIFIED
WE BUILD CONFIDENCE WITH CONFIDENCE



We are proud to be associated with
Scope Design Systems Ltd.



Tel: +27 (0)16 986 0030
Fax: +27 (0)16 986 0127
e-mail: rfq@turnmill.co.za
www.turnmill.co.za
12 Fairbank Street NW7
Vanderbijlpark, 1911
PO Box 2092, Vereeniging, 1930



Fabrication and reconditioning specialists

Turnmill is a level 1 BBBEE contributor

- Pressure Vessels: Columns, Shell & Tube Heat Exchangers and Drums
- Shop Fabricated Tanks
- Rotary Kilns and Processed Fired Equipment
- Materials Handling and Structural Components
- Rotable Unit Repairs and Refurbishment
- Mill Components and Spares
- CNC Turning
- Large 5 Axis CNC Milling (manually adjusted 6th Axis)



STRUCTA group
Part of the STRUCTA GROUP of Companies
Turnmill is an ISO 9001:2015 and an ISO 3834 Part 2 Certified Company

NAIROBI HEAD OFFICE
Falcon Rd, Off Enterprise Rd,
P. O. Box 55628-00200,
Nairobi, Kenya.

Tel: +254 734 000064
+254 734 705450
Email: info@epco.co.ke
Website: www.epcobuildersltd.com

MOMBASA BRANCH OFFICE
Tom Mboya Avenue, Tudor,
P. O. Box 42490-80100,
Mombasa, Kenya.

RESIDENTIAL DEVELOPMENTS



PROPOSED LADERA HOMES, 44 TOWN HOUSES WITHIN MASTER-PLANNED A GATED COMMUNITY
Kibiko, Ngong Kajiado County.
Client: House and Homes Ltd



3NO. PROPOSED 5 BEDROOM VILLAS.
Runda, Nairobi County.



PROPOSED 4 BEDROOM BUNGALOW.
Naivasha, Nakuru County.
Client: Private



PROPOSED 4 BEDROOM VILLA.
Kithimani, Machakos County.
Client: Private



Amazon Consultants Ltd is a leading Kenyan Quantity Surveying and Project Management firm founded in 1998 as a partnership and later incorporated in 2007. The Directors are supported by a team of well-trained Quantity Surveyors, Project Managers and dedicated support staff.



Our Services

- Quantity Surveying
- Project Management
- Development Management
- Forensic Audit
- Loss Assessment
- Project Verification
- Project Audit.

Head Office – Nairobi
Amazon Consultants Limited,
The Green House,
3rd Floor,

Suite 18 Eastern Wing, Ngong Road.
Tel:+254 20 3860839, +254 20 3860840,
+254 20 2453081, +254 722 398215

We are proud to be associated with Scope Design Systems. We have worked with Scope Design Systems on notable projects as their preferred Quantity Surveyors.



We are ISO 9001:2015 Certified



*We Are Proud To Be Associated With
Scope Design Systems Ltd.*



EAST END PLAZA, BUKANI ROAD, NAIROBI KENY A
P.O. BOX 4546 - 00506 TEL : +254-20-6008584 , 0705-167161
Email: info@milicons.com Visit us @: www.milicons.com

Shanta Eyes U.S.\$500,465 West Kenya Gold Licences

Shanta Gold, a London-listed exploration company, is interested in purchasing three further prospecting permits from Canadian miner Barrick Gold in the Western Kenya project after the seller acquires government operating authorizations.

In 2020, Shanta Gold paid Barrick US\$ 11,677,523.53 (Sh1.4 billion) to acquire their Kenyan holdings. These assets comprised the rights to extract gold across a 1,161 square kilometre area that spans the counties of Kakamega, Kisumu, Siaya, and Vihiga.

The West Kenya project encompassed a total land area of 1,121 square kilometres. It included seven separate prospecting licences, four of which Barrick was the sole owner.

In place of Gold Rim Exploration Kenya Limited, Barrick and Advance Gold Corp jointly held the remaining three licences, covering 40 square kilometres.

Their respective shares in these licences were 87.16 per cent and 12.84 per cent.

Shanta stated in its annual report for 2021 that the purchase agreement required it to pay Barrick an additional US\$50 million (Sh59.7 million) for these three partially-owned licences once they received approvals

However, the company added that this had not transpired by the end of the previous year.

In their annual report, Shanta stated that "According to the provisions of the Share Acquisition Agreement for the West Kenya Venture acquisition, US\$500,000 (Sh59.7



million) in cash consideration is subject to the satisfaction of certain criteria connected to the company securing the Gold Rim Project Licences,".

After purchasing the seven licences from Barrick in a cash-and-stock transaction, Shanta committed to pay Barrick Gold a royalty rate of two per cent on any actual gold production in the future.

During the previous two years, when Shanta Gold has been spending a significant amount of money on feasibility studies to ascertain the true extent of the gold reserves, and whether or not to move on with production, the West Kenya project has not generated any revenues.

The region is projected to produce 1.6 million ounces of gold from its deposits.

Due to the substantial amount of capital expenditure that Shanta is investing in this endeavour, the company declared a net loss of US\$7.3 million (Sh874.7 million) in the project during the previous year.

Although the exploratory area has a history of informal and small-scale gold mining dating back decades and has long been a



popular destination for artisanal miners hoping to strike it rich, large-scale commercially viable mining has remained elusive.

Shanta Gold reported US\$3 billion (Sh365bn) deposits in Western Kenya

In March 2022, Shanta Gold, an exploration company, claimed to have discovered more high-grade gold in western Kenya, which is estimated to be worth Sh365 billion.

According to the then market update provided by the company, it discovered high-grade gold mines in Kakamega County that are expected to contain 1.6 million ounces of gold and had a market value of Sh364.8 billion then.

In the wake of the Russia-Ukraine crisis, which has harmed the value of currency-based assets, the price of gold has reached highs of \$2,000 (Sh228,000) per ounce as investors rushed to buy the commodity. This has caused the price of gold to touch all-time highs.

Eric Zurrin, chief executive officer of Shanta, stated, "We are pretty pleased with the groundbreaking drilling findings that were just published at the Ramula target. These

discoveries added 434k oz grading out to



Eric Zurrin, chief executive officer of Shanta 2.08 g/t and increased the total resources at our West Kenya Project by a remarkable 37 per cent, bringing the total to 1.6 million oz. Our belief that the region contains a substantial new gold district and an area of massive potential expansion for the company has been further strengthened due to this development."

"We are sure that over time we will be able to build Ramula into the second significant resource region in the larger West Kenyan Project because it is located adjacent to the Liranda Region, which holds the Isulu-Bushiangala resource, Zurrin added.

The miner lauded the Western region of Kenya's gold reserves, most of which have not been mined yet, as the potential future of the gold mining sector in the country.

Safarilink

Flying you to all your favourite holiday and business destinations across Kenya & Tanzania

Kenya Destinations: Lodwar, Kapese, Kitale, Samburu, Shaba, Meru National Park, Mt. Kenya, Nanyuki, Lewa Downs, Loisaba, Lake Nakuru, Lake Naivasha, Lake Turkana, Marsabit National Reserve.

Tanzania Destinations: Lamu, Malindi, Vipingo, Mombasa, Diani, Zanzibar, Arusha, Manyara, Serengeti, Grumeti, Tarime, Migori, Masai Mara, Amboseli National Park, Tsavo National Park, Mt. Kilimanjaro.

Key: Safarilink (black line), Tanzanian Airlines (red line).

Book now:
 ☎ +254 (0)20 669 0000
 ✉ res@flysafarilink.com
 www.flysafarilink.com

Social Media: @FlySafarilink

Awards: SIX TIMES! CEO WARRIOR AWARD WINNERS (2014)

Lounge: Our ultra-modern and spacious lounge at Wilson Airport ensures a comfortable, friendly and swift check-in

Ways to Get More Work for Your Plumbing Business

more work for your plumbing business.



Thinking about growing your plumbing businesses. You might be looking to grow your customer base. Or you might be an experienced business who wants to maintain your income. Thankfully, in this modern world there are many opportunities to get more work for your plumbing business. Below are several ways to get

1 Word of Mouth



Word of mouth advertising is one of the oldest and trusted forms of advertising. Best of all it is 100% free. It is important to build trust with your customers. If you do a good job for them they could recommend you to their friends and family. In turn, if you do a good job for them your recommendations can grow and grow.

You could even encourage your customers to leave positive online reviews. To drive business further, you could offer customers a small payment for any new customers you secure as a result of their recommendation.



2 Get Your Branding Right



A clean and crisp company logo, website and advertising can be a world of difference in this modern age. There are many online companies that can revitalise your branding for affordable fees.

You could look at the following:

- ✦ Is my branding recognisable?
- ✦ Will people remember my branding?
- ✦ Does my branding look professional to customers?
- ✦ Are the colours right?
- ✦ Should I have a branded company van and work wear?

You should also look to get your website as high as possible on search engine results. For example, potential customers who search Plumber – Norfolk' in their internet search engine, will only look for the first few results. If your website or Facebook page appears much later, they are unlikely to find you.

3 Local Adverts

Some plumbing companies still find success from advertising in the Yellow Pages and others in construction oriented magazines like "Inventive Construction News Magazines" and "builders magazine" just to mention but a few.

You could also leave leaflets or business cards in local cafes, restaurants and shops. Here you could catch the eye of someone looking for a local plumber.

4 Lead Generation Websites

There are a number of lead generation websites which can be used by plumbers. These include:

- ✦ Rated People

- ✦ Check A Trade
- ✦ My Builder
- ✦ Local Hero's
- ✦ And many, many more.

These are a great way to capture people who are searching the internet for plumbers. For example a user might search in Check a Trade for an outdoor drain unblocker in their local area. If your account is set up to match with this search, they might contact you for a quote.

While this is a great way of gaining new leads, you will need to factor in that many of these websites charge fees for referrals. As such, you will need to factor this into your marketing strategy.

5 Social Media



Social media has become big business, plumber advertising is no exception. The number of daily social media users in the UK is staggering, and you can use it to gain new work leads. Having a Facebook and Twitter page is a good start, but it is important to share relevant and engaging content. This could include:

- ✦ Before and after pictures of your jobs
- ✦ Customer feedback
- ✦ Helpful videos
- ✦ Special promotions

On top of this you can use paid social media ads to target a certain type of customer base in your local area.

6 Local Radio

For many companies a TV advertising campaign is out of reach. However, local radio adverts are likely to be much cheaper. If big commercial radio stations are too expensive, smaller radio stations – such as hospital radio stations – can be more affordable.

7 Team Sponsorship

Sponsoring a local sports team can be an excellent way to get more work. You could sponsor local amateur or semi-professional teams such as:

- ✦ Football team
- ✦ Rugby team
- ✦ Cricket team
- ✦ Hockey team

✦ Netball team



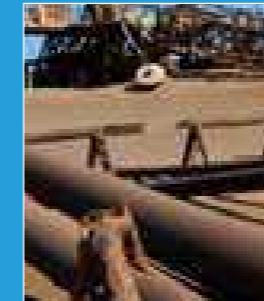
In addition to this some golf courses offer sponsors the opportunity to sponsor a hole on the course. Alternatively, a squash club might want sponsors for a tournament they are holding.

S&P SYLDON & PARTNERS

P.O. Box 664 00606 Sarit Centre,
Nairobi, Kenya.
Tel: +254 02044 51 422/44 53 089
Telefax :44 51 423
Mobile: +254 722 861 473 / +254 733 850 848
Wireless: +254020528 77 29
Email: info@sandpconsult.co.ke, sylдон@sandpconsult.co.ke

S&P Departments:

SyldonInfra



SyldonServ



SyldonPower



SyldonTel



SyldonEnv



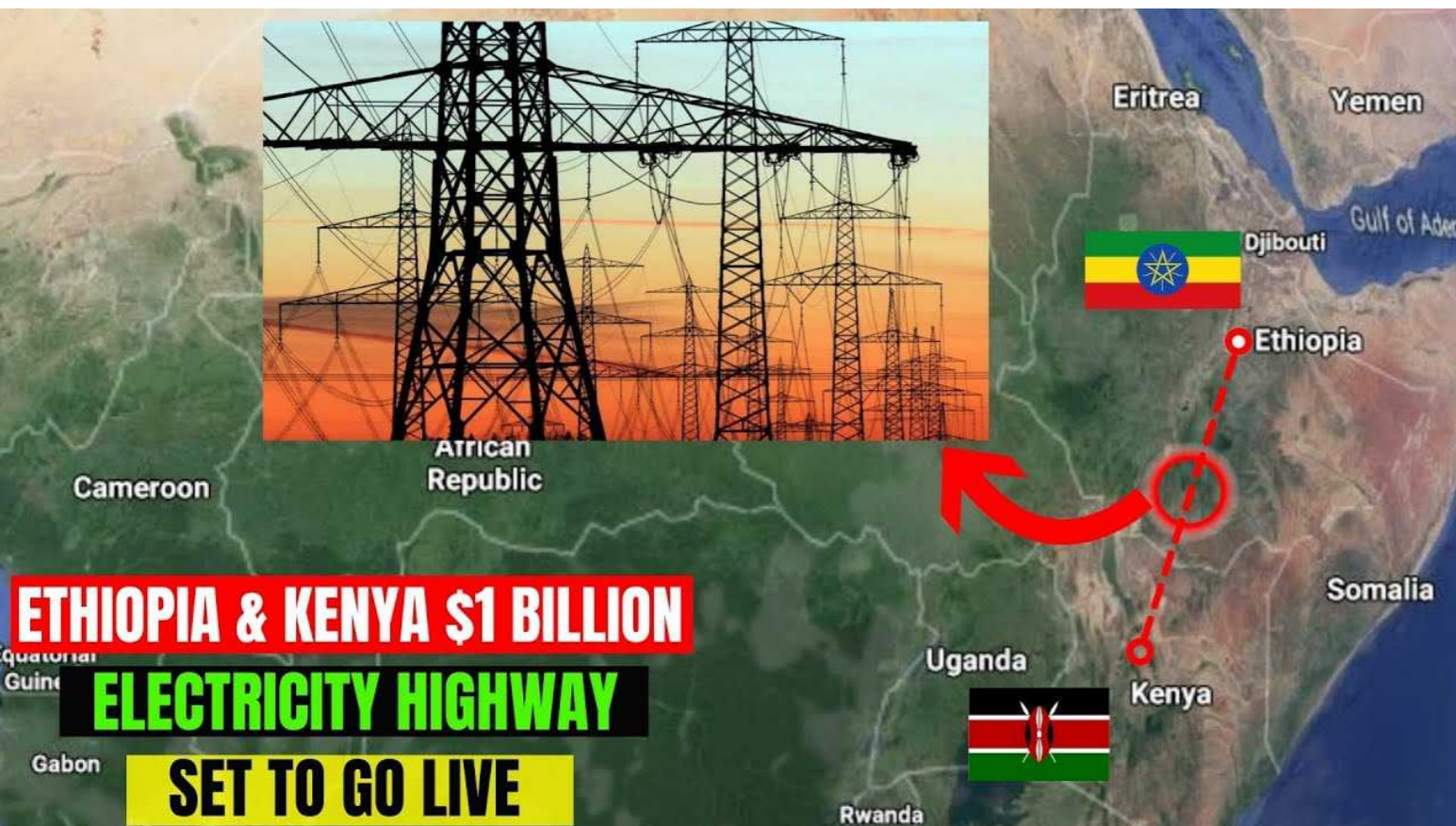
Syldon and Partners is a wholly Kenya owned limited liability firm established in May, 2000 in Kenya to undertake consultancy services in design, installation and maintenance of Electrical, Mechanical Services and Management Information Systems (MIS), Civil and Structural works.

There are two directors, Eng. G.N. Olando – Managing Director in charge of all Electrical Services and general management of the firm. Eng. Calleb Olali is Director in-charge of mechanical services. Other core staff members include Assistant Electrical Engineer John Ruddy Munda and Assistant Mechanical Engineer Felix Ollando.

Eng. H.S Roopra, Eng. Peter Chege are associates of the firm and backstops Eng. Olando and Eng. Olali in all electrical and mechanical assignments respectively. Eng. Victor Ongewa and Eng. Cyrus Njungu are associates in-charge of power sub-stations and transmission/distribution lines respectively.



Office: Upper Hill Road,
Upper Hill, Near Citi Bank
Opposite Church of Jesus Christ Of Later Day
Saints, Mount Meru Court, Suite No. 4.





NCA1 RADIANT POWER SYSTEM
Registered Electrical Contractors



Specialist in:

- Commercial Developments
- Industrial Developments
- Warehouses and Business parks
- Hospitals and Clinics
- Apartment Blocks
- Residential estates
- Educational Institutes
- Hotels, Restaurants and Lodges
- Refurbishment and fit out projects

Installation Of:

- Power and Lighting
- LV Switchgear and Standby
- Generators
- Fire Alarms Systems
- AVR & Surge Protection
- Data/Telephone Cabling

13- Office Suits,
 P O Box - 39130 - 00623.
 Parklands, Nairobi, Kenya.
 +254 772 762 743
 +254 738 948 707
info@rpskenya.co.ke
www.rpskenya.co.ke

**YOU CREATE THE VISION
 WE CREATE THE BRICK**

DISCOVER THE POSSIBILITIES.



www.corobrik.co.za | info@corobrik.co.za



HARVEY TileEco®
A DIVISION OF MACSTEEL

The green roof tile

Welcome to the future of roofing – a technological breakthrough from Harvey Roofing Products: the Harvey EcoTile®.

Harvey EcoTile® is a mineral composite roof tile. By utilising 98% waste material, Harvey EcoTile® is 100% recyclable yet provides superior functional benefits to other roofing options.

Harvey EcoTile's® technological design advantage ensures an interlocking, lightweight tile that is low on maintenance, weatherproof and virtually unbreakable in normal use.

Your building's roof is one of its most important elements in function, aesthetics, surface area and investment. Increase its functional performance and green credentials with one innovative product – Harvey EcoTile®.



Stylish Double Roman design combines functional advantages with classic aesthetics.

Non-porous, non-brittle finish ensures virtually zero water absorption and therefore light weight in all weather conditions.

Advanced engineering provides interlocking system for weather proofing and superior strength.

- Lightweight
- Low Maintenance
- Durable
- Weatherproof
- Attractive
- Easy to Install
- Paintable
- SANS 10400-T
- Waste Material
- 100% Recyclable
- Waterless
- Community Projects

Ethiopia to build largest Airport in Africa



Plans for the largest airport in Africa first announced in 2020 continue to be on the back burner two years later. The project site was identified in Bishoftu which is located 38 kilometers from Addis Ababa. Ethiopian Airlines Group (EAG) has twice issued Requests for Proposals but the response has not been enthusiastic causing EAG to return to the drawing board. A new proposal is expected once a review of its masterplan is done.

Back in 2020 Ethiopian Airlines Chief Executive Officer Tewolde Gebremariam revealed the ambitious plan. Reportedly, the airport will be the largest of its kind in Africa. It will have the capacity to handle 100 million passengers every year.

The airport will be built on 35 square kilometers piece of land at a lower elevation. The airport is expected to reduce jet fuel consumption and enable flights of a greater distance. This is mainly because of the lower elevation.

The new airport to be the largest in Africa is set to relieve pressure at the Bole Airport. As it stands, Bole International Airport has the capacity to handle 19 million passengers annually. The rapid growth of Ethiopian Airlines, being the largest airline in Africa by fleet size and revenue, has not kept up with the air infrastructure.

Extending Your Roof's Lifespan - Residential Roofing Tips



The average roof is built to last between 20 and 30 years, but there are some things – like storm damage and rapid temperature changes – that can cause it to age poorly.

The good news? You can extend your roof's lifespan by using these residential roofing tips from the pros.

Residential Roofing Tips to Extend Your Roof's Lifespan

A little bit of maintenance goes a long way when it comes to residential roofing. Use these residential roofing tips to take care of your roof and help protect your investment:

- Clean your gutters frequently
- Have regular roof inspections
- Prune overhanging tree branches
- Repair storm damage immediately
- Replace damaged or worn shingles right away

1. Clean Your Gutters Frequently
Gutters can easily become clogged with leaves and other debris. Alone, that's fine – but when it rains, those clogs can cause water to back up. Backed-up water in your gutters can damage your shingles and the actual roof beneath them. Most experts recommend cleaning out your gutters at least twice each year. If you maintain your

gutters in the spring and fall, they'll be ready when the water starts pouring through (either from spring rains or melting snow).

2. Have Regular Roof Inspections

You can conduct a small visual inspection from the ground or climb up on your roof to get a birds-eye view, but nothing beats a residential roof inspection conducted by a professional. You want a roofing company that provides a 45-point inspection, which means they check everything, and that documents and photographs any damage on the roof – that way, you'll know exactly what needs to be fixed.

3. Prune Overhanging Tree Branches

Overhanging tree branches can bang up against your roof during high winds or storms, or they can brush against your shingles repeatedly and degrade their integrity. In some cases, overhanging tree branches can create ideal conditions for algae or mold to grow, which can eventually cause leaks if left untreated. If you see branches or other debris on your roof, remove it immediately to protect your roof's surface.

4. Repair Storm Damage Immediately

If left untreated, even minor damage can cause major problems. A tiny leak from a lifted, broken or missing shingle can let water into the roof deck, where it'll cause the wood to swell – or worse, trickle down into your home and cause major water damage. Sometimes storm damage has a domino effect where one thing leads to another. If you suspect a storm, rain, hail or high winds have damaged your roof, schedule a roof inspection immediately. Making small fixes now can save you thousands of dollars in repair and replacement costs later.

Replace Damaged or Worn Shingles Right Away

Shingles are there to provide a layer of protection to your roof, and by extension, your entire house. You need to replace damaged or worn shingles immediately, particularly if they're:

Curling up at the edges

Cracked

Missing granules (your shingles will look like they have "bald spots")

Covered in dark streaks, which can be algae growth

Hosting moss or mold



GREEN RUNS IN OUR FIBRES

High
performance
product
properties

Lasting Strength with fibre cement

▶ Everite Building Products has over the years established a reputation for producing a variety of outstanding quality products which have been used in a wide range of external and internal applications.



Nutec is the registered name for products manufactured without asbestos as a raw material. Nutec fibre cement products are manufactured using a mixture of cellulose fibre, cement, silica and water.

Everite is renowned for its comprehensive range of Nutec Roofing and Cladding Solutions and includes fibre-cement roofing, cladding, ceilings and building columns amongst others.

Nutec fibre-cement high performance properties and added benefits include: the use of safe renewable fibres; considerable tensile strength with enhanced dynamic load bearing properties; excellent thermal properties; water-and wind resistance; hail resistance; fire resistance and resistance to fungus, rodents and acid.

▶ Everite Building Products, is an appointed licensee by the Xella Group to manufacturer Hebel Autoclaved Aerated Concrete (AAC). Everite Building Products is the only manufacturer of AAC in Africa.



AAC as a building material has gained a considerable share of the international construction market since its inception in 1923 in Sweden and today maintains its reputation of the building material of the future. It is viewed as a revolutionary material that offers a unique combination of strength, light-weight, thermal insulation, sound absorption, unsurpassed fire resistance and unprecedented ease of construction.

Since commissioning the AAC plant in 2017, Everite Building Products has enjoyed considerable success in specification of the product to landmark projects in South Africa.

Metal vs Timber – Why in construction it is better to use timber trusses

Choosing other roof structures with timber trusses has already become the standard choice for building construction, especially for residential buildings. When it comes to the roof, there is no doubt that there is a need for stable and high-quality structure, and the roof trusses offer a number of advantages in this regard, as compared to, for example, traditional rafter solutions.

Timber trusses are incredibly strong and can be installed much faster, saving time and resources. They effectively move the entire load to the outer walls of the building. However, it is also important to choose the right solution here, since in the construction world it is possible to choose both timber and metal roof trusses.

structure with the slope. Metal roof trusses are usually much more expensive than timber trusses. Although they tend to serve a little longer, they occasionally require maintenance. Experienced professionals will be able to build it quickly and efficiently, but their installation requires a lot of skills, practices and resources. The metal does not tolerate heat as well as wood, so it can expand and cause damage to the roof at very high temperatures. At 400-500 degrees, it loses up to 50% of its strength. If you want better sound insulation, then the metal construction will not be the best solution. And, of course, everyone knows that the metal is rusty, so it requires proper maintenance, which is undoubtedly more expensive than the maintenance of wooden trusses.

Metal trusses



On the market, there are available two types of metal trusses- flat structure and with

Pluses:
Resistant to cold weather;



Concrete Cutting, types and Its Uses



A concrete cutting saw is a tool that runs on gasoline, pneumatic pressure, hydraulics or an electric motor. It is also known as a road saw, consaw or a slab saw.

A concrete saw is used for cutting hard materials like concrete, tiles, asphalt, brick, masonry, and other solid stuff.

There are different types of saws that range from compact handheld saws and chop saws to large walk-behind saws. The blades of concrete saws are commonly made from diamond for effective and precise cuts.

Diamond blades should be cooled due to the significant friction generated during the cutting project as well as reducing dust in the process.

This article provides information on the many uses of concrete saws and different

kinds of concrete saws on the market. We will take a look at the following:

Different Types Of Concrete Saws

There are many types of concrete saws out there. Every saw will serve a purpose depending on the job you need to get done. It's important to understand the different types of saws out there so you can choose the best tool for your next concrete cutting project.

Hand saws are available in many sizes and shapes. They can help you to complete the concrete cutting project more efficiently. You can slice through brickwork and other masonry using this tool.

Wire saws are ideal when you have to deal with foundations, pillars, and depths underneath the concrete surface. Core drills

are effective when you have to cut through concrete surfaces.

Chainsaws are some of the most popular concrete saws on the market today. These



saws will give you an unmatched precision due to the hydraulics of the tool.

Hydraulics give the tool enough power to cut through concrete and reach more than two-feet deep in the concrete. However, you shouldn't use this type of saw to create lines and corners on concrete.

You can make small cuts with hand saws compared to chainsaws. Wire saws let you deal with a large amount of concrete at once. You can make precise cuts on large slabs and blocks of concrete with a wire saw.

Whether you need to cut one inch or up to 5-feet deep into the concrete, core drills are ideal for the project. You will need the core drill when you are laying down utility cables



and wiring a building.

Many Uses Of Concrete Saws

Concrete saws have many uses and benefits. You can use a concrete saw to cut through tiles, bricks, concrete, blocks of stone, and other hard materials.

They can be used to cut openings or channels through concrete blocks, walls, and slabs. Concrete saws can be handheld, mounted on a stand or wheeled manually or by an electric motor.

Working with a concrete saw will expose the worker to many hazards like cutting blades, push-back, kick-back, pull-ins, and silica dust. That's why training and proper work practices are the key to success and safety with a concrete saw.

You need proper training to safely and effectively use a concrete saw. The correct sized cutting blade should be installed properly and guarded before using the concrete saw.

The speed of the saw shouldn't exceed the manufacturer's suggested RPM. You should use the correct blade for the project and adhere to all safety rules and wear protective gear when using a saw to cut concrete.



Timber trusses

A large part of the metal trusses consists of recycled material.

Minuses:

Rust (requires frequent maintenance); Due to the rapid heating of the metal, careful thermal insulation in the roof structure is required.

Timber trusses

Despite the controversial claims about the quality of wooden roof structures, this solution is becoming increasingly popular among both small and large projects and is considered a more economical option. This solution holds the heat longer than the metal, resulting in lower heating or power consumption, especially in winter.

Pros

1. Flexibility and versatility
Wooden trusses are very diverse and easily compatible with other structures, such as steel beams. The possibility of wide span creates wider opportunities that architects and designers are keen on.

2. Ecologically friendly material

Wood collects carbon but releases oxygen on the surface. And that's not all. Compared to other materials, wood consumes less energy that reduces air and water pollution. Moreover, timber is the only renewable building material that helps to ensure

sustainable development.

3. Economy

In most cases, wooden trusses can be installed without the help of heavy construction machines. Also, the time taken to make wooden roof constructions is surprisingly low, thus shortening the terms of a construction project. When it comes to working on a construction site – wooden trusses do not encourage the generation of so much waste that makes cleaning the construction site more comfortable.

4. Strength and sustainability

Accurate manufacturing and continuous quality control ensure that the truss size and shape are in line with project standards, ensuring the structural integrity of the building.

5. Energy efficiency

Wooden roof structures have excellent thermal properties when compared to other materials such as alumina or steel. It is also a dense material that creates good insulation.

6. Aesthetic freedom

The timber truss solution provides an unlimited variety of options, providing the customer with the freedom to experiment with the area, layout and aesthetic properties of the building.



The expanded polystyrene (EPS) technology involves construction of houses by assembling ready-made EPS foam, sandwiched between a galvanized steel wire mesh that is plastered on both sides with concrete

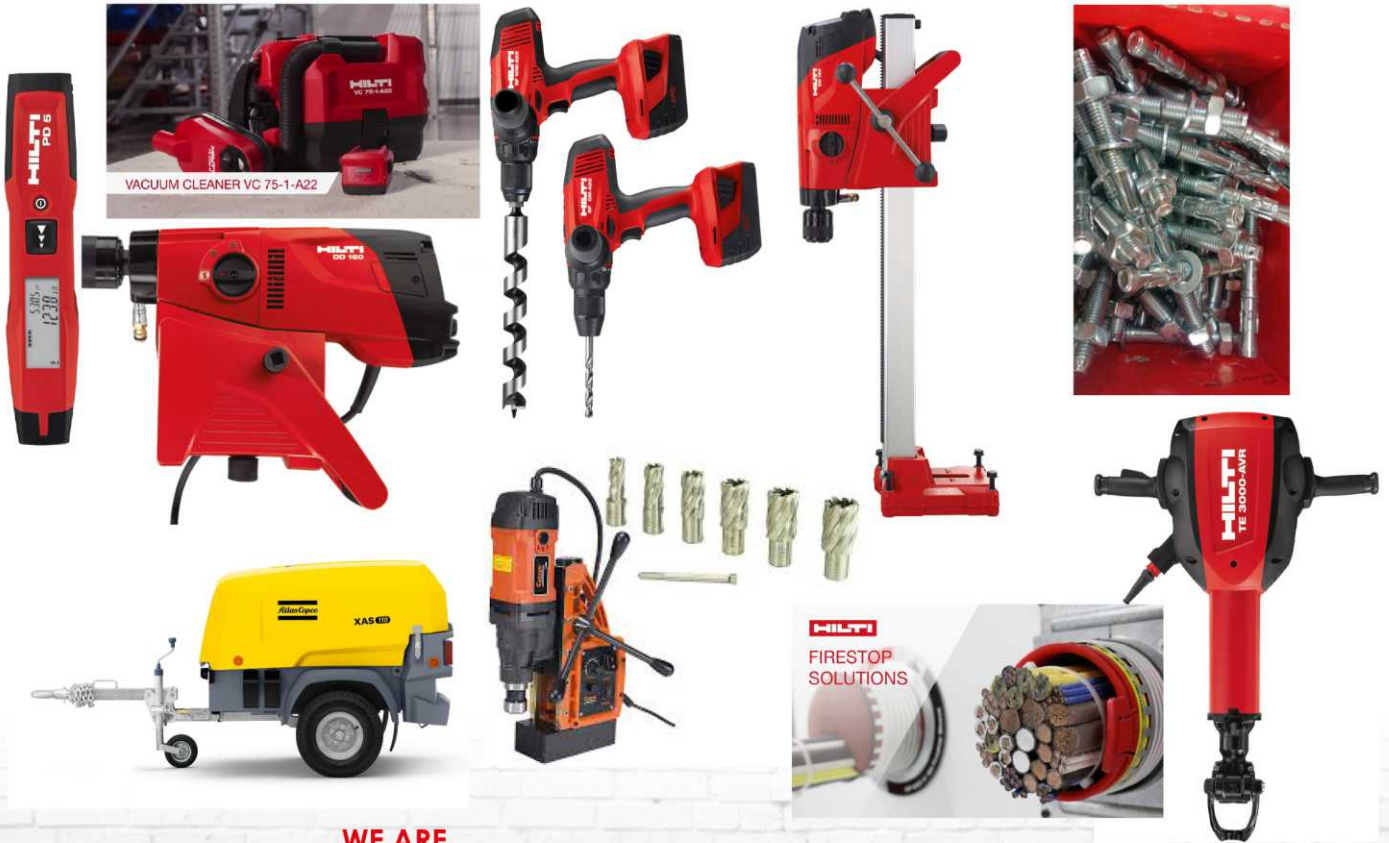


Prefabricated homes, often referred to as prefab homes or simply prefab, are specialist dwelling types of prefabricated building, which are manufactured off-site in advance, usually in standard sections that can be easily shipped and assembled. CUMA Refrigeration EA. Ltd Houyese are ideal for;

- HOSPITAL
- WAREHOUSES
- OFFICE BUILDING
- SCHOOLS
- GO-DOWN



SALES & HIRE



**WE ARE
PROUD TO BE ASSOCIATED
WITH PARKLANE CONSTRUCTION LTD AS THE SUPPLIER
OF CONSTRUCTION TOOLS AND EQUIPMENTS.**

Construction Support Ltd.
Enterprise Road, Industrial Area
Postal Code: 00500
P.O. Box 17962 Nairobi, Kenya
TEL 0724399449, 0746626559
EMAIL: -info@constructionsupport.co.ke
admin@constructionsupport.co.ke
www.facebook.com/hiltikenya
www.hilti.co.ke



Open hours
Monday – Friday 08:00-17:00
Saturday 08:30 – 13:00

Sales, repairs and hire of Hilti Tools