

PROJECTS

PM MAY JUNE 2023 **MAGAZINE**

Goods lift, 1 to 5 tonnes, for multi-story buildings, manufactured and serviced by Gahir Engineering Works Ltd



**GAHIR ENGINEERING
WORKS LTD.**

Mechanical Engineers & Manufacturers

Tel: 0203540541/428, 0202042837
0202333541

Cell: +254722510238, 0722510237,
+254722758299, +254729853376

Gahir Complex, Pate Road
P.O. BOX 78252 - 00507 Nairobi
Website: www.gahirdesco.co.ke
Email: info@gahirdesco.co.ke





SADCON

BUILDING AND MAINTENANCE

We are a construction company, established in 2009.

With 12 years of experience, we have worked on many different projects such as, The Cape Good Hope Castle, Chelsea on Main, University of the Western Cape Life Science building, 32 on Kloof, Obs Court, just to name a few.

We offer services such as plastering, painting, building constructions, housing constructions, ceiling and partitioning, as well as renovation and maintenance services.

office@sadcon.co.za
073 766 337 / 0606 522 513

Trends to Watch in the Ugandan Construction Industry in 2022



- Bonding Agents
- Chemical Anchors
- Concrete Bonding
- Concrete Crack Repairs
- Concrete Release Agents
- Concrete Repair Mortars
- Curing Compounds
- Epoxy Adhesives
- Epoxy Grout
- Joint Sealants
- Non Shrink Grouts
- Pre Cast Repairs
- Water Proofing

CREATIVE CONCRETE SOLUTIONS

... WHEN QUALITY MATTERS



Since 1958 we have been developing and producing world-class products for YOU
 • Tel: + 27 11 822 2320
 • Fax: + 27 11 822 2354
 • e-mail: info@ashak.co.za



After two years of the pandemic and uncertain prospects, the construction industry like so many other sectors is readying itself for a more stable, predictable year. Since March 2020, the pandemic changed the industry operations from hiring workers and scheduling works, to writing contracts with clients. Going ahead many trends in the industry will be affected by what we have experienced during the pandemic.

Generally, the way we calculate our fees and win projects has already changed for those on the consultancy side, while I am sure building contractors have also increased their profit margins to hedge their losses in the event that a similar situation arises.

On the other hand, clients have become more attentive to some of the clauses in construction contracts that were initially taken for granted.

Clients are now interested in knowing how preliminary costs are charged or what constitutes a Force Majeure in a contract.

Specifically, there are certain processes and procedures of the industry that COVID-19 has changed for good. For instance, while working in a safe and healthy environment has been a huge thing in other sectors, the construction industry in Uganda has over the years continued to overlook safe work methods and construction site guidelines that are usually put in place to ensure a healthy work environment.

However, with the advent of the pandemic, there is a clear attempt by builders to emphasize cleanliness and other COVID-19 standard operating procedures on site. I put this down to the enforcement by the authorities and awareness among the workers who in some cases demand



that the protocols are strictly adhered to. This trend is likely to continue in other areas of the site where workers will no longer allow developers and employers to ignore safe work methods under the pretext that they add to cost and duration of projects.

For some time now, green construction has been seen as a luxury and a problem for the more developed nations. However, there is noticeable change in the briefs and terms of references being issued by public institutions, corporate organisations and private individuals.

Increasingly, many of them are emphasising the need for more sustainable and eco-friendly solutions when responding to their requests for a design. Although many of these solutions were previously considered a luxury and an unnecessary addition to the project cost, there is evidence that more and more developers now appreciate the long-term benefits associated with environmentally friendly construction solutions.

These are solutions that provide a building with a low carbon footprint while using less of the

natural resources in its construction and maintenance. Perhaps more importantly, research has proven that such buildings tend to have a more positive psychological and physiological impact on their occupants. It is therefore expected that this trend will continue to grow and many players in the industry have started positioning themselves to better provide the required solutions.

Finally, despite the rising material costs, there is evidence that developers and home buyers are becoming more demanding when it comes to the quality of the product delivered at the end of the construction project cycle. Gone are the days, when finished tile work had zig-zagging lines or when clients accepted buildings with door furniture that is clearly poor installed. Clients are increasingly becoming aware of the spatial requirements and now, more than ever architects must justify the spaces they provide in buildings.

The ordinary home builder is now aware that every extra square metre added to the building will cost them money, while at the same time they



understand that a poorly finished building may not get good rental or sale value. As a result, the quality of designs and finished buildings is

improving and this trend is expected to continue.

Publisher:

WOOTA PUBLISHERS t/a PROJECTS MAGAZINE

KENYA OFFICE

Tel: +254 70 155 2963 P.O.Box 178-20114, Kabazi, Nakuru, Kenya.

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

ALL SAINTS' CATHEDRAL NAIROBI- CHILDREN AND TEENS CENTRE

Located along Kenyatta Avenue opposite Serena hotel in Nairobi is the historic All Saints Cathedral, the heart of the Anglican Church of Kenya. The Church has grown exponentially both in ministry and numerically over the years.

Indeed, the Cathedral celebrated One hundred [100] years of spiritual nourishment in the City.

The Cathedral plays a pivotal role in shaping the lives of our young people who make up to 65% of Kenyan population and has invested in diverse dynamic programs targeting this important segment of our society. This has led to an upsurge in the number of young families who come to the



Cathedral and thereby increased the population of children and teenagers to levels way beyond what the current church's infrastructural facilities can effectively handle.

Taking cognisance of the dynamic and rapidly changing environment the young ones are growing in, the Cathedral recognized the need to invest in a ministry Centre dubbed "The Children & Teens Centre (CTC)". The Centre will play host to multiple innovative programs designed to cater for the diverse needs of the 21st century children and teenagers including those with special needs.

Additionally, in order to better serve the hearing impaired, the CTC will have a deaf chapel that will host an intensive outreach program.



CTC impression



ARCHITECTURAL IMPRESSION OF ALL SAINTS' CATHEDRAL NAIROBI- CHILDREN AND TEENS CENTRE

The CTC Project also seeks to:

1. Be a talent incubation hub where professionals from different fields will get a platform to coach and mentor young ones in a safe environment.
2. Facilitate training and mentorship programs to teachers, children workers and care givers on Coaching and Life Skills development in the children under their care.
3. Serve as a Resource centre on the holistic nurture of children development (Physical, Intellectual and Spiritual)

4. Develop wholesome and culturally relevant children content in different media for both local and international consumption.
 5. Create both a real and virtual networking platform for children, teens, parents and practitioners in the children field through which best practices can be shared and mainstreamed.
- The CTC project was birthed in 2015 when the Parish Council formed a Committee to oversee the initial stages of putting together all ministry needs that would eventually inform the kind of Centre required. From the initial conception of the vision,



several competitions were conducted by the Cathedral inconjunction with BORAQ's and the Architectural Association of Kenya. One of those competitions led to the first architectural CTC model through the Student design Competition. Architectural students from University of Nairobi, Technical University of Kenya and Jomo Kenyatta University of Agriculture and Technology were given a brief of what was

needed and they submitted their proposals as well as models that were displayed at the Cathedral. The winning design was done by Arch. Raphael Mirera who at the time was a student at the Jomo Kenyatta University. This design was then adopted and the winner transitioned to join the design team of architects.



Project Design

This magnificent building welcomes you through an interactive space with greenery comprising ornamental trees and planters leading to a detailed amphitheatre where the children and teens will be hosting artist events to show case their diverse talents, hence, this well organized courtyard gives life to the building.

The design of the building evokes joy and spirituality combining into a comfy Chapel for the Teens and Children. It has a capacity of one thousand [1000] people where they can connect with their Creator in worship. At the attic space above the classroom is the deaf Chapel with a capacity of one hundred [100] people custom made to their specifications and liking and is acoustically sound proofed so as not to affect the other services.

The internal spaces are designed to meet your every expectation more so the Creche and toddler rooms that are designed to offer comfort to mothers and celebrate the playful nature of Children. Further, the project provides spacious state of the art thirty six classrooms [36] each with a capacity of twenty five [25] children where they will be taught the word of God and nurtured holistically through the various programs.

There is a provision for tailor made cloak rooms on every floor for the different ages and gender

next to circulation areas. The Centre comprises of different circulation areas from stair cases, lifts and ramps to take care of those with special abilities. The hall ways are five 5 meters wide providing enough space for movement of children and teenagers. The lift is designed to accommodate up to twenty five [25] people at a go



meaning a whole class can be moved at the same time.

Apart from the Chapels and classrooms, the project is enhanced with auxiliary spaces that keep the children engaged. It further provides space for a star rated cafeteria and kitchen overlooking Uhuru park recreational grounds, music rooms, art rooms, lounges, baby changing room, toddlers room and creche, a guidance and wellness centre, which open to a large atrium, lobby, and an amphitheater large enough to host all concerts and other Children and Teen friendly events. The Children play area is tucked at the back of the building overlooking Ngong road to offer privacy and comfort when at the outdoors.

The Cathedral has maintained the gothic architecture for all its building and the CTC is no exception. The external walls are clad with Nairobi-blue stone which gives the gothic setting an 'ancient' factor. The roof is graced with red clay tiles while the floors adopt a stone finish.

Project Description

The project has four floors from the lower ground floor which acts as the basement parking accommodating one hundred and fifty [150] cars. Construction is established on a sloping topography which presents different design aspects on various levels. The lower ground floor is accessible from Uhuru Park side and will



entirely provide car parking spaces. Below it, sits a huge water tank with a capacity of six hundred and fifty thousand [650,000] liters.

The upper ground floor provides an additional one hundred [100] parking spaces, an amphitheater, and services rooms. The Teens chapel opens to first floor and is accompanied by the restaurant and a recreational lobby below the second floor on the classrooms wing. The second floor provides an entrance to the children chapel and access to first level of classrooms. The subsequent floors provide access to the classrooms and provide double volume access to the chapels.

The roof pitch provides rooms for an attic floor. Above the classrooms, we have provided two [2] additional spaces that form the attic floor. One of the attic spaces is designed to host a chapel for the deaf communities while the other is designed to host administration offices for the Cathedral staff. The entire project is united by a circulation axis that has a ramp, staircase, a lift, and connecting washrooms. The attic floor is very scenic as one is able to view Nairobi from Uhuru park as well as

upper hill while enjoying a cool breeze and fresh air that reminds you of the beauty of Nairobi but most importantly Gods creation.

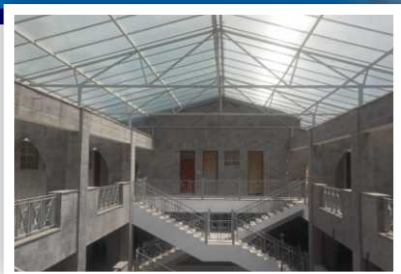
Design team

Design is led by Arch. Raphael Mirera of U Design Architects and Arch. Kevin Mugo of Triad Architects. The design team is further backed by Tekto consult and Trine Architects. Other consultants involved include the following

- ✓ Lead Architects- Triad Architects Ltd
- ✓ Architects- U Design Ltd, Tekto consult and Triane Architects
- ✓ Quantity Surveyors- Masterbill Intergrated Projects Ltd and Karkan Partnership
- ✓ Structural Engineers- Hezconsult consulting Engineers
- ✓ Civil Engineers-
- ✓ Mechanical Engineers –
- ✓ Services Engineers
- ✓ Interior Design
- ✓ Landscape architects-

Geomax Consulting Engineers Ltd, established in 1987 and registration No. C. 36119, is a leading MEP engineering consultancy firm in East and Central Africa. The company specializes in the following main areas; **Mechanical Engineering, Electrical Engineering, Electronic Engineering and Specialised Building Consultancy services.**

We are proud to be associated with Triad architects in the All saints Cathedral Children and Teens Center (CTC) Project as MEP Services providers.



Geomax Consulting Engineers Ltd

The company prides itself in that, the founders are renowned, respected and reputable engineers with over 35 years of experience in the built environment. Our designs are tailored to suit our client's specific needs, while applying optimal proven technology within the allowances of the Client budget. We exercise financial control from the inception of the project to final account stage, with the undertaking to deliver a quality installation on time and within our client budget

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.



Over 35 years of engineering excellence!

St. Hellen Lane off Langata Road, Karen P.O Box 53748 – 00200 Nairobi – Kenya
 Tel: +254 203 873 430 / +254 722 207 236 / +254 739 207 236
www.geomaxke.com

Energy Efficiency & Environmental Conservation - Let's go green.



We are proud to be associated with Triad architects in the All saints Cathedral Children and Teens Center (CTC) Project as Project Structural Engineers

About Us

At Hezconsult Consulting Engineers we offer quality Civil and Structural Engineering and Project Management services in the built environment. We aim to provide the best engineering solutions to our valued clients, to provide employees with meaningful work and advancement opportunities and investors with superior rate of return. We will conduct our business ethically and demonstrate leadership in satisfying our responsibilities to our community and to society.

Suite 13, Kedong House
 Lenana Road / Ralph Banche Road P. O. Box 39456 - 00623 Nairobi
 Tel: 020 271 37 46 / 0723 275 138 Email: hezconsult@gmail.com



Ryce East Africa Ltd is a pioneer member of the Sameer Group. RYCE is proud to be the local partner for global brands such as KOHLER and ELGI. RYCE is also the main dealer for ISUZU EA. As an ISO 9001:2015 certified company, we assure high quality and traceability in our business operations.

We are proud to be associated with Triad architects in the All saints Cathedral Children and Teens Center (CTC) Project as power generator supplier & installer.



Why RYCE?

- Expertise in supply and installation of generator sets up to 4500KVA using a wide range of engine combination
- Experienced and capable management team with over 25years of experience
- Expertise in providing custom-engineered solutions
- Established track record of on-time delivery of reliable power solutions
- Designing of mechanical and electrical systems
- Proper planning and management of projects.
- Efficient procurement.
- Turnkey execution include
- Cabling, exhaust Piping, insulation, Ventilation & acoustic treatment etc.
- Timely commissioning. Reliable After Sales Service Support

Other Products:



ISUZU Vehicles



Power Generators



RYCE-SOLAR
Captive Power Solutions



ELGI Air Compressors

Ryce East Africa Ltd | P.O. Box 49729-00100 Nairobi. Kenya. | Tel: 020-6533269 or 65531786/8/9 | Email: ryce@www.ryce.co.ke | Website: www.ryce.co.ke



info@karkan.co.ke

Tel : 0203876436

Cell : 0722785758



WHAT WE DO
We are one of the leading construction project management, cost planning and management consultancy firms in Kenya.

WHAT WE BELIEVE IN
Provision of value added services in a timely and cost effective fashion.

WHY WE ARE DIFFERENT
Our proactive and flexible approach to every project.



We are proud to be associated with Triad architects and ALL SAINTS CATHEDRAL CHILDRENS AND TEENS CENTRE construction (CTC) project.



PREFAB HOUSE AND EPS PANEL



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 Houyse are ideal for;

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

Ultra Super Cooling Services

Construction in the age of greening



Fire and explosions remain the number one cause of construction and engineering insurance claims, accounting for 27% of the value of insurance claims over the last five years, according to data analysis conducted by AGCS.

Natural catastrophes, such as hurricanes or floods, account for almost a fifth of claims by value (19%), followed by defective products (10%). Faulty workmanship or maintenance (8%) and machinery breakdown (7%) round out the top five causes of construction and engineering losses according to the value of claims.

Fires and explosions have long been the primary cause of insurance claims in construction. And, despite significant improvements in risk management and fire prevention, they will always remain a significant hazard because of the nature of the work.

Construction often involves hot work using open flames, such as with welding, the local application of heat with equipment like hot tar boilers or the generation of sparks during leadwork and grinding. Undertaking these activities in the vicinity of combustible materials, which are plentiful on building sites, creates the potential for disaster.

In June 2022, a fire outbreak at a hospital

construction site in Istanbul, Turkey, destroyed most of the newly installed medical and security devices, and injured three people. A few days later, firefighters from West Fargo in North Dakota attended a flaming construction site behind the town's Costco. And a month after that, a blaze broke out at a railway development in Stuttgart, Germany.

The risks and benefits of greening
The analysis was conducted on 22,705 insurance claims made worldwide between January 2017 and December 2021. The claims were worth approximately €12.8bn in value, including the share of other insurers. But if there is an impression that the risks remain in stasis, that is not the case.

AGCS expects the global construction market to experience sustained growth over the next decade,



55-acre Mavoko Housing Project is expected to be completed in about four years.



Work is finally underway on a multi-billion-shilling project that seeks to deliver more than 5,300 affordable housing units in Mavoko, Machakos County.

The project, which is under the Mavoko Affordable Housing Programme, will be undertaken by Epco Builders – a Kenyan construction company – in a departure from the norm where such projects are given to Chinese contractors.

The Mavoko Housing Project is a partnership between Kenya and the UN Habitat aimed at providing affordable homes to low and middle-income earners.

The project is expected to deliver 960 one-bedroom units, 2,400 two-bedroom units, 1,440 three-bedroom units, and 560 studio units at a cost of Sh20 billion.

The development will also include a community centre, kindergarten, primary school, commercial centre, fire station and a police station.

The affordable housing development, which sits on a 55-acre parcel of land in Mavoko Constituency, will be completed in about four years.

Speaking during the ground-breaking on Wednesday, President William Ruto said the launch of the project confirmed the government's strategic focus on escalating access to quality and secure dwelling places at affordable cost in the country.

"We have embarked on this programme because there are more than 6.5 million Kenyans who stay in informal settlements," Dr Ruto said.

Epco Builders managing director Ramji Varsani had earlier exuded excitement on taking up the



housing project, which is one of the biggest in Machakos County.

"It has been a long journey doing consultation on pricing, specification of the units, but finally the D-

day is almost here," Mr Varsani said.

Epco Builders, one of the largest construction companies in Kenya, has delivered about 10,000 housing units in various projects across the country.

The Mavoko Affordable Housing Project comes at a time when the Kenyan government has committed to facilitate construction of 250,000 affordable urban housing units annually to accommodate the fast-rising urban population.

sustainable & long term
WATER STORAGE SOLUTIONS

PRESTANK
Pressed Steel Sectional Water Tanks

STRUCTA technology

Prestand is manufactured by

STRUCTA
technology
www.structatech.co.za

STRUCTA TECHNOLOGY
is part of the STRUCTA GROUP of Companies

STRUCTA GROUP

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



MODERN DESIGN. MADE THE OLD-FASHIONED WAY.

At Swartland, we only know one way to make doors and windows, and that's to last. Our Kenzo range is built from strong, lightweight aluminium-alloy frames allowing for expansive walls of light, space and seamless integration with nature. Kenzo windows and doors require very little maintenance and never need to be painted – the perfect combination of durability and affordability. All products are SANS 613 certified and compliant.



Call us on 086 110 2425 or visit www.swartland.co.za for more info.

Women rising above the noise hailed at annual Standard Bank Top Women Awards 2022



With over 700 attendees and a combination of over 30 phenomenal women across Africa, and organisations advocating for gender equality and women empowerment that have been honoured for their work at the Standard Bank Top Women Awards 2022, the fastest growing gender-empowered awards platform took place on 10 November 2022 at Emperors Palace in Johannesburg. Under the theme, 'Rise Above the Noise', the programme was aimed at uplifting and celebrating companies and women that continue to do great work in their respective fields.

The awards came after a two-day virtual

conference that was filled with insights, panel discussions and fireside chats, as well as the EmpowHer masterclass of women who were also among the list of women nominated for the awards. Having received thousands of entries, the judges were tasked with a challenging job. Split into two, the Organisation Awards celebrate and recognise the achievements of organisations striving to make the workplace supportive of women, while the Individual Awards recognise the achievements of individuals for the past 18 months of individual female entrepreneurs, executives, employees, as well as men driving gender empowerment.



Topco Media CEO Ralf Fletcher noted: "I am honoured to lead an organisation that prioritises female empowerment and celebrates those working toward the fifth UN Sustainable Development Goal, which is achieving gender equality by 2030. However, it goes without saying that this programme wouldn't have been an achievement without the support of our partner, Standard Bank and sponsors who are also playing their part in uplifting African women."



driven by a surge in government spending on infrastructure, such as last year's \$1tn bipartisan infrastructure bill in the US, factors such as rising populations in emerging markets, urbanisation, a growing working age population, and the transition to a low-carbon or net-zero economy. According to a recent report from Marsh and Oxford Economics, the global construction industry is forecast to grow 42% to \$15tn by 2030. The construction industry is expected to be a major driver of economic growth in the coming decade, outperforming manufacturing and services.

The transition to a low-carbon or net-zero economy brings numerous opportunities, requiring significant investment in alternative forms of energy, such as wind, solar and hydrogen, as well as power storage, transmission and supporting services. According to the International Energy Agency (IEA), pursuing net zero will create a market for wind turbines, solar panels, lithium-ion batteries, electrolysers and fuel cells of well over \$1tn a year by 2050, comparable in size to the current oil market. Huge investment is also

required to make buildings more sustainable and lower greenhouse gas emissions. Green building in emerging markets represents a \$24.7tn investment opportunity by 2030, according to the International Finance Corporation (IFC). Climate change adaption and mitigation will also give rise to further opportunities for the construction sector.

However, this global construction boom will also bring challenges as well as opportunities. The rapid adoption of prototype technology and the utilisation of new building methods and materials will require close cooperation between underwriting, claims and risk engineering, as well as between insurers and their clients as new technologies can significantly alter the risk landscape, especially when mass deployed.

Take offshore wind, for example, which is at the cutting edge of renewables. The global offshore wind energy market size is expected to increase from a revenue of \$33.5bn in 2021 to \$89.8bn by 2030, with a CAGR of 12.1%. This field is booming, particularly as offshore wind turbines are more

efficient than onshore wind turbines due to consistent wind flow.

However, offshore wind farms are complex to build, especially as projects grow in size and move further out to sea into deeper waters. Construction also involves high-value components and specialist equipment and vessels.

Offshore wind farms are subject to harsher weather and typically use new technologies, which can be pushed to their limits. Turbine blade damage or gearbox failure can cost double or triple the amount than for an onshore turbine to repair. Underwater cables, connectors and power converters are also expensive and time-consuming to repair.

Any potential defects in design mean that the losses from such projects can quickly soar. Often each new project uses new construction methods and sophisticated, yet sometimes prototype, technology that can be expensive to assess and replace. Not every insurance company can deploy capacity for complex risks, where potential claims could be significant due to the values insured.

Getting concrete about climate change
Concrete is the second most consumed material

on Earth after water. Three tonnes are used annually for every person on the planet. Unfortunately, cement – the key ingredient in concrete – contributes about 8% of the world's carbon dioxide (CO₂) emissions.

Efforts are underway to develop 'concrete 2.0', new forms that use green and novel types of cement. But if these innovations prove commercially viable, underwriters and carriers will not have the luxury of years of rigorous testing and use to see how the product performs and what represents a good versus a bad risk.

From an exposure perspective, AGCS views certain new building materials or construction methods as 'prototypes'. For instance, in modular construction – whereby elements of a building are constructed off-site – many design codes and standards do not yet have adequate guidance, as it is relatively new to the market compared to more established codes and standards for conventional construction methods, which have developed over decades. It is also difficult to assess the resilience of modular construction to extreme natural perils. Underwriters work closely with brokers and clients to learn about such new construction methods and materials before they insure their attendant risks.



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 product 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.

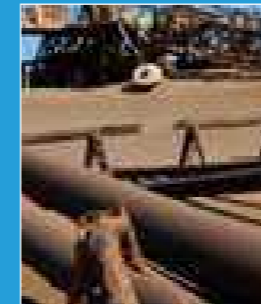


S&P SYLDON & PARTNERS

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, syldon@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.



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



www.everite.co.za Info : 0861 333 835

BizTrends2023: BIG IMPACT!



A highlight of the South African business calendar, Bizcommunity's BizTrends Report sees leading trend consultants and analysts annually scanning

the horizon for relevant cultural and market trends - to bring you the go-to destination each January for business trend forecasts, across 19



sectors of the economy.

Back on our front pages for the 18th consecutive year, BizTrends2023 will offer big impact across multiple touch points with trend opinion from more than 100 thought leaders invited from senior management, CEOs, owners and founders of top South African and pan-African companies, media groups, agencies, associations and institutions. Find out more

We've been tracking local and global cultural and market trends likely to impact business in the year ahead. Based on these insights, we've identified the concept of 'impact' itself as an umbrella trend that will have relevance well into forthcoming decades. Here's why:

Societal impact
The Drum Globalization Deep Dive series quotes DDB chief strategy officer, Auro Trini Castelli that up until now, many companies have declared 'purpose', such as 'making the world a better place' their mission, but that statements of purpose are no longer enough. The space that business will need to play in the future will be in the realms of true societal impact.

"It isn't just about purpose any more. It's about true impact...the role that businesses will play in societal impact."

- Auro Trini Castelli, DDB chief strategy officer.

Companies such as Unilever, Lego and Nike are enthusiastically picking up the mantle, embracing new benchmarks for societal change, and this is a huge trend wave that companies can ride.

Impact investment and impact capital
Increased equality and equity of every kind are on the agenda. Environmental, social, and governance (ESG) scores are increasingly being used to

determine company value. ESGs and United Nations Sustainable Development Goals, UN SDGs are replacing traditional CSI criteria. Of the 17 UN Sustainable Development Goals, No Poverty (SDG #1), Quality Education (SDG #4), Gender Equality (SDG #5), Reduced Inequalities (SDG #10) and others are providing frameworks for companies to incorporate into their societal impact strategies.

For example Nike have identified Good Health, Gender Equality, Decent Work and Economic Growth, as the areas where they can best contribute to positive change. Unilever have defined the SDGs as 'a once-in-a-lifetime opportunity' for business to promote sustainable growth that works for everyone.

Author Morgan Simon, has been featured everywhere from the Harvard Business Review to the United Nations. Her book Real Impact: The New Economics of Social Change, claims the trend of impact investing is 'poised to eclipse traditional aid by ten times in the next decade'.

"Every company must not only deliver financial performance but also show how it makes a positive contribution to society."

- Larry Fink, CEO of Blackrock
So many ways to make an impact with BizTrends2023: BIG IMPACT!
Offering 25 sub-categories, including digital marketing, media, mobile, big data, content creation, e-commerce, streaming and youth marketing trends, from agriculture to finance, healthcare to marketing across 19 industry sectors and platforms - BizTrends2023 will provide impact, inspiration and innovation for sponsors, contributors and readers. Enquire now about the perfect Headline-, Industry- or Category-sponsorship to fit your company goals

CEILING INSULATION

YOUR LOW CARBON INSULATION OPTION

- Excellent insulation qualities
- Non-toxic and non-irritant
- Insect and rodent repellent
- Environment friendly- made from 80-85% recycled newsprint
- Fire retardant: SANS 428 B/B1/2
- 100% ceiling coverage
- Low energy manufacturing process
- No heat / water used during manufacture
- 100% Biodegradable at end of life

Thermguard is used in buildings to conserve energy, which ultimately slows the burning of fossil fuels that create greenhouse gases. Newsprint that would often be discarded on landfill sites where it would decompose and emit greenhouse gases is recycled to create our eco-friendly insulation. This dual reduction in air pollution amounts to a "Double Green Effect".

Your Guarantee of Quality
Thermguard has insulated buildings for over 35 years and is the only manufacturer that produces cellulose fibre insulation under the ISO 9001:2015 Quality Standard



www.thermguard.co.za

RECYCLED FOR YOUR FUTURE



MAINTAINING YOUR HVAC AND ELECTRICAL SYSTEMS

All Out Group (Pty) Ltd is a reliable air-conditioning contractor, with a Head Office in Gauteng delivering the highest Standard of services with our highly trained staff to clients all over South Africa. All Out Group (Pty) Ltd believes in building trusted relationships with all our clients. We provide once off and contractual services to a variety of clients and industries. Delivering services as supply, install, repair and maintaining of HVAC systems of all sizes, Ventilating and Extract Systems, Water Treatment plants and sampling, Site Evaluations and inspections and a variety of pumps. Our unwavering objective is to strive for perfection and minimize client running cost by looking after your assets.

All Out Group (Pty) Ltd has a revolutionary product that help fights the spread of Covid through Air-Conditioning and is the only company in South Africa delivering this essential service to clients.

Our Product is Proudly South African, Environmental friendly and SABS and NRCS approved. Certification provided after each treatment.

With our highly trained Electrical staff all Repairs, Installation or Electrical Certificates (COC) can be done through us.

COMING SOON Solar Air-Conditioning units by All Out Group (Pty) Ltd.

Tel: +27 (010) 141 0263 | 24Hr Cell: +27 (072) 607 2268
Email: admin@allout-group.co.za | Website: www.allout-group.co.za



Conveyor & Industrial Supplies (PTY) LTD

Reg. No. 1982/011524/07

Tel: +27 11 306 3118
713 van Dyk Street, Boksburg East
info@cisjhb.co.za • www.cisjhb.co.za



Level 2 BEE Compliant

33 YEARS OF SERVICE
MANUFACTURING HIGH QUALITY CONVEYOR MECHANICALS SINCE 1982 FOR ALL MINING AND INDUSTRIAL SECTORS.

GEARBOXES
Manufacturing & Repairs



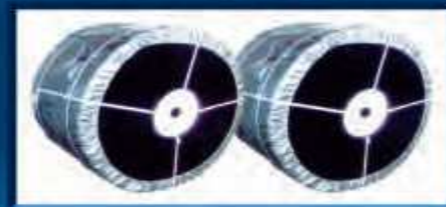
CONVEYOR IDLERS
AND FRAMES



CONVEYOR PULLEYS
Manufacturing & Repairs



CONVEYOR BELTING



Rentokil Initial

VIRUSKILLER™

brought to you by Rentokil Initial.

The only air purifier that kills Coronavirus in the air*

*When independently tested against Coronavirus DF2 (a surrogate for Coronavirus), Adenovirus, Influenza and Polio, the unit was found to kill 99.9999% of viruses on a single air pass

Call **Rentokil Initial** for more information on how you can protect your customers | visitors | sta.,
0800 77 77 88



YOU CREATE THE VISION WE CREATE THE BRICK

DISCOVER THE POSSIBILITIES.

