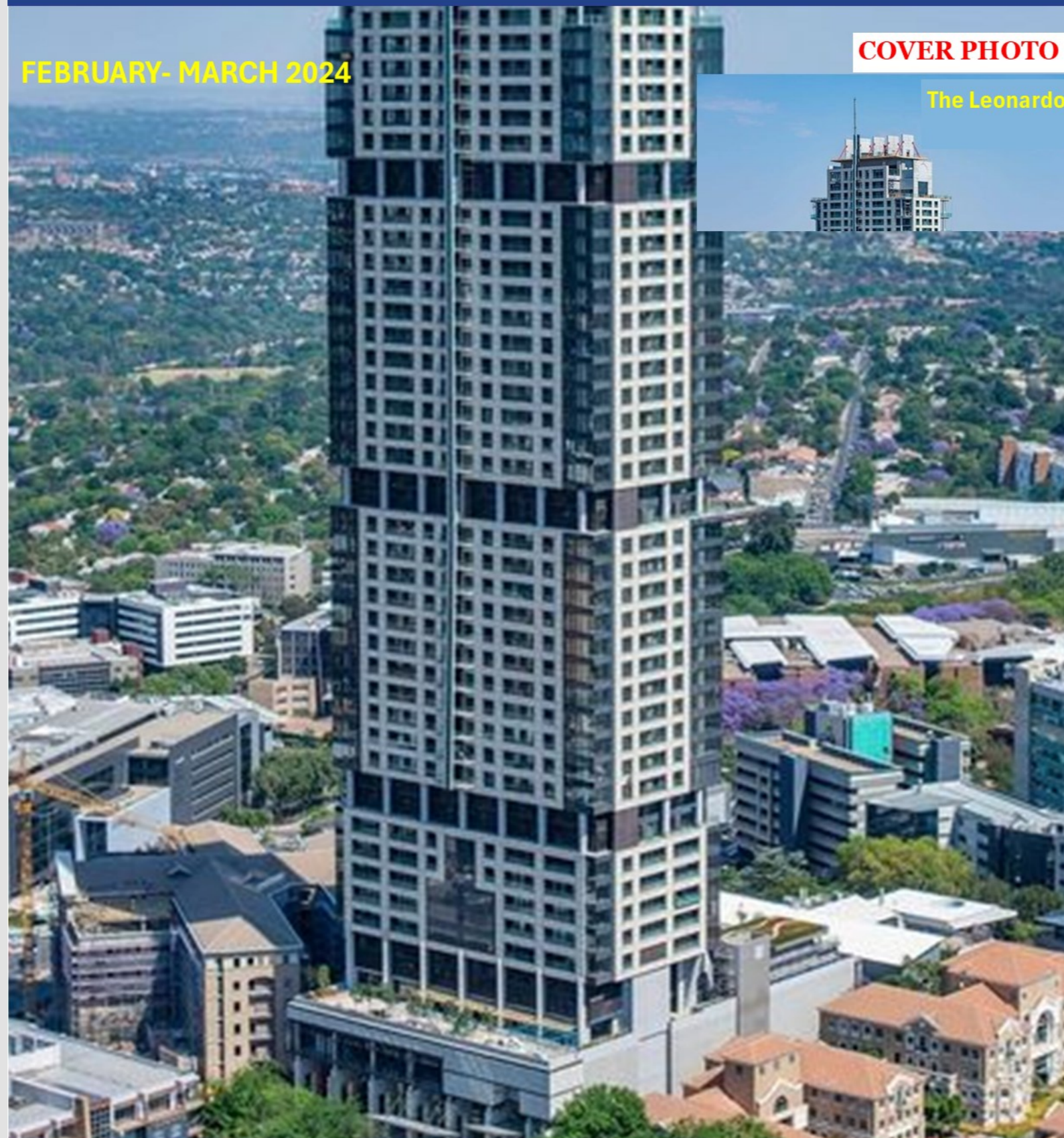


BUILDERS MAGAZINE

FEBRUARY- MARCH 2024

COVER PHOTO

The Leonardo





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The green roof tile

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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.

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

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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.

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QUBE CONSULTANTS LTD

A Decade of Excellence

Commemorating QUBE Consultants Ltd.'s 10th Anniversary

Introduction

As QUBE Consultants Ltd. joyously commemorates its 10th anniversary, we take pride in reflecting on a remarkable journey of innovation, growth, and unwavering commitment to excellence. From its modest beginnings to its current standing as a premier consulting services provider, QUBE's narrative embodies resilience, adaptability, and impassioned dedication to making a positive impact. This article navigates through the company's rich history, spotlighting key achievements, enduring values, and an inspiring vision for the future.

Overview

QUBE Consultants Ltd. is a Kenyan-based consulting firm founded in 2014, that specializes in delivering comprehensive quantity surveying and project management solutions across the region's construction industry. Recognized for our unrelenting commitment to excellence in the projects we are involved in, our dedicated team is driven by a passion for innovation and a commitment to exceeding client expectations. At the core of our success are foundational values, including integrity, teamwork, and a customer-centric approach. QUBE Consultants Ltd. stands as a trusted partner, delivering strategic solutions that drive success in today's dynamic business landscape within the construction industry.

Founding Principles and Vision

Principles

1. Integrity
2. Teamwork
3. Customer-centricity

Our Team, Services, and Projects

Our Team

1. Luke Ombati - Partner



2. Sylvester Oluoch - Partner



3. Martin Simiyu - Director



Vision

- Ascend to a Leadership Position in Consulting
- Distinguished by Expertise, Innovation, and Dedication to Client Success

Our Services

01. Quantity Surveying & Contract Management. Quantity surveying involves a wide array of cost-planning and cost-management techniques for construction projects. At QUBE, we provide support to our clients at every step of their investment. The quantity surveying services we offer include:

- Advice on tendering procedures, tender evaluation, and reporting.
- Preparation of bills of quantities and specifications.
- Negotiation with contractors.

- Preparation of cash flow projections throughout the project.
- Preparation of interim valuations and final accounts.
- Evaluation and advice on contractors' claims.
- Preparation of financial appraisals.
- Provision of contractual advice throughout the project.

We also carry out loss assessment and valuation for insurance purposes and prepare dilapidation reports for maintenance and massive renovation works

A Selection of Our Projects

The Grove @Brookside





Loreto Convent Valley Road - Multi Pur-



Riachi Court



Standard Chartered Bank



02. Development Consultancy

In a growing real estate industry like Kenya's, clients are in constant need of investment advice: where to invest and whether the investment will generate meaningful returns. At QUBE, we undertake to provide our clients with the most accurate information regarding all the above. We conduct market and feasibility studies for possible projects and advise our clients on their viability in terms of both the available finances and financing options and the market demand.



03. Project Management

We help in directing and coordinating the human and material resources throughout the life of a project to achieve predetermined objectives of scope, cost, time, and quality. Our role is to ensure that all the parties to the project - clients, contractors & consultants - come out of the project with positive experiences.

Our 10th anniversary marks a significant milestone in our company's remarkable journey, colored with the highs and lows that come with running a consultancy business in Kenya. We are grateful to all our Clients and partners who have trusted us with their projects and the numerous referrals we have received as a result of the previous work we have done. Unfortunately, it is not possible to list all of them here but we'd like them to know that we celebrate and appreciate each one of them. We look forward to continuing working with them and to new frontiers of partnerships and collaborations as we embark on the next chapter of our journey.



Welcome to the Silicon Savannah



Konza Technopolis, Africa's smartest investment destination will host the most creative, impactful technology that will disrupt industries and transform lifestyles.

Designated as a Special Economic Zone (SEZ), the Technopolis provides unparalleled opportunities to deploy game changing technologies, make data driven decisions and deploy sustainable smart water and energy use that will lower the cost of doing business and open up economic opportunities for Africa. Most of residential parcels in Phase One have already been taken.

All our parcels are fully serviced, with a plug and play utilities feature. The Kenya Advanced Institute of Science and Technology (KAIST), Africa's most forward university, has began. A world class Digital Media City is on course. 262 acres of nature parks and recreational areas, keeping Africa's promise of everyday interaction with nature are set.

We're building the city of the future!

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| | | | | | |
|---|---|---|--|--|---|
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|  Smart Agriculture |  Property development |  Hotels & Convention Centres |  Entertainment, recreation and sports facilities |  Business enterprises |  Education & training institutions |

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Konza Technopolis: Kenya's Bold Vision for the Future. Will the project be actualized or is it a pipe dream?

Imagine a city where innovation knows no bounds, where technology thrives, and where businesses from around the world come to invest and collaborate. Konza Technopolis, a proposed smart city in Kenya, situated just 60 kilometers southeast of Nairobi, aims to turn this vision into reality.

Sustainability at Its Core: This smart city is also designed with sustainability in mind. With a commitment to renewable energy sources, including solar and wind power, as well as a green building code, Konza Technopolis aims to be a trailblazer in eco-friendly urban development

Challenges on the Horizon

While the vision for Konza Technopolis is undoubtedly captivating, several hurdles must be overcome for it to become a reality.

- The Financing Conundrum:** One of the primary challenges is financing. This multi-billion-dollar project needs a clear financial plan, and it's currently unclear how the government intends to fund its construction.
- Infrastructure Imperative:** The city's success hinges on robust infrastructure, including connections to national road and rail networks, reliable power, and water supplies.
- Attracting Businesses and Investors:** To thrive, Konza Technopolis must entice businesses and investors. This requires creating a conducive business environment and offering incentives to make the city a magnet for commerce.

So, what can we expect from Konza Technopolis?

A City of Diversity: Konza Technopolis is set to be a mixed-use metropolis, harmonizing technology, business, and education. The city's blueprint includes space for offices, residential units, schools, hospitals, and vibrant retail and entertainment facilities..



The government's unwavering commitment to the project is palpable. It has already allocated land and initiated construction on some vital infrastructure projects.

The Road Ahead

The road to realizing Konza Technopolis is certainly not without obstacles. However, with the government's dedication and the right strategies, this visionary smart city has the potential to be a game-changer for Kenya.

Konza Technopolis could elevate the country's economy, offer opportunities for international collaboration, and foster an environment of technological excellence. But should the government falter in addressing the challenges, this dream could become a mere mirage.

In Conclusion

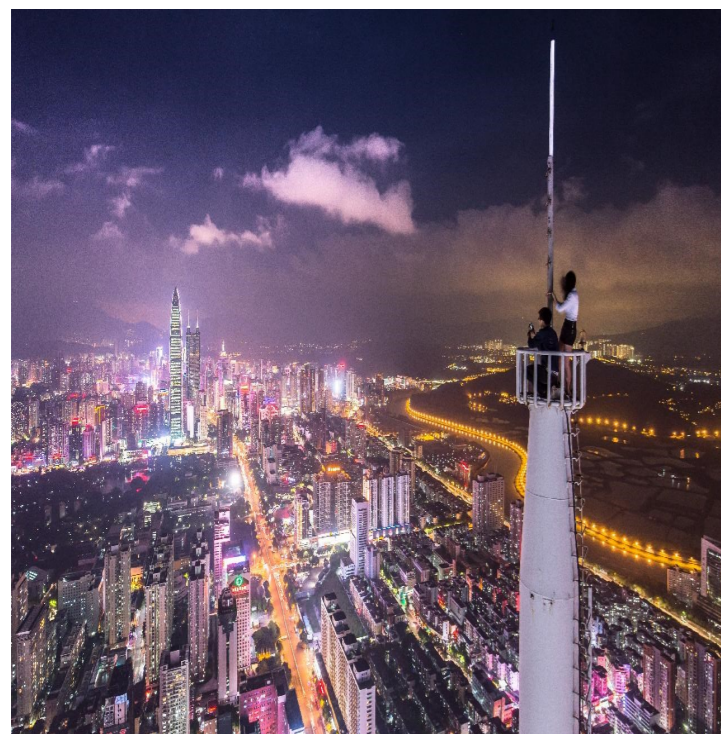
Konza Technopolis is not just a project; it's a vision of a future where innovation and technology converge to create opportunities, prosperity, and sustainability. It's a testament to Kenya's ambition and determination to carve out a place on the global stage. As the city's story continues to unfold, we'll see whether it becomes a beacon of progress or remains a tantalizing dream.



In the heart of this project lies a transformative opportunity for Kenya – a chance to showcase its commitment to progress, innovation, and a sustainable future. As the city gradually takes shape, it will stand as a symbol of what a nation can achieve when it dares to dream big and, more importantly, when it has the tenacity to turn those dreams into reality.

Konza Technopolis is a testament to the power of vision, and its success will be a testament to the nation's ability to execute that vision. As the world watches and waits, it's not just a smart city that's being built; it's a legacy in the making, one that will define Kenya's future for generations to come.

The story of Konza Technopolis is a dynamic narrative, and the pages are turning towards a brighter, more prosperous future for Kenya. As the project continues to unfold, it serves as a powerful reminder that innovation knows no bounds, and a bold vision can indeed shape the destiny of a nation. Stay tuned, for the next chapter promises to be filled with innovation, opportunity, and the promise of a brighter future.



OWN A PIECE OF KONZA

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How to invest in Konza

Located 1.5 Kms from the Konza Town - Mombasa Road highway are these plots measuring 50X100 in size.

Grab this once in a lifetime opportunity to own a property at the heart of the rapidly developing technology city and position your investment for value and potential.

These plots are suitable for commercial or residential development and have all the necessary documentation and titles available for transfer to you.

About Konza City

Konza (Konza Technopolis) is a key flagship project of Kenya's Vision 2030 economic development portfolio. Konza will be a world-class city, powered by a thriving information, communications and technology (ICT) sector, superior reliable infrastructure and business friendly governance systems.

Early Bird investment KShs 650,000

For payment options please see overleaf



Cathedral Mall A Catalyst for Economic Growth and Urban Development

Kakamega, a bustling town situated in the western region of Kenya, is on the verge of an extraordinary transformation with the development of the Cathedral Mall. This ambitious project, strategically located along the Webuye-Kakamega highway and adjacent to St. Joseph's Cathedral, is set to make a significant impact on the town's landscape. The mall will be an architectural marvel, featuring state-of-the-art design and modern facilities. However, beyond its aesthetic appeal, the mall's primary objective is to bolster economic growth and provide employment opportunities for the local community. This project is a testament to the town's commitment to progress and development.



In a recent statement, Governor H.E. FCPA Fernandes Barasa stated that the mall is anticipated to provide over 1,000 direct jobs, hence meeting a major labor shortage in the area. The initiative demonstrates a commitment to promoting investment opportunities within Kakamega County and neatly connects with the Governor's Mission for Wealth Creation and Infrastructure Development. At a Thanksgiving Mass officiated by Kakamega Catholic Diocese Bishop Rt. Rev. Joseph Obanyi Sagwe, Governor Barasa highlighted the project's collaborative efforts. In response, the Bishop praised the role played by his predecessor, Rt. Rev. Philip Sulumeti, recognizing their joint commitment from the mall's conception to its continued building. Highlighting the potential of the mall as a catalyst for further investment, Governor Barasa announced plans for collaboration with the Kenya National Highways Authority (KeNHA) to enhance safety infrastructure around the mall.



This includes the establishment of a footbridge and the installation of road signage, ensuring a secure environment for visitors and residents. The ceremonial blessing of Naivas supermarket, an anchor tenant within the mall, marked a significant milestone ahead of its official launch. The presence of key figures, including Bishop Obanyi and Rt. Rev. Philip Sulumeti, underscored the importance of community collaboration in

realizing such transformative projects.

However, the Kakamega County faces challenges in its commercial real estate sector, with numerous complexes and plazas experiencing high vacancy rates. The Patience Plaza along Mumias road, Mega Mall opposite the county headquarters, and Ambwere Towers exemplify this trend. To address this issue, stakeholders need to collaborate, making concessions to create a win-win situation for both developers and potential tenants.

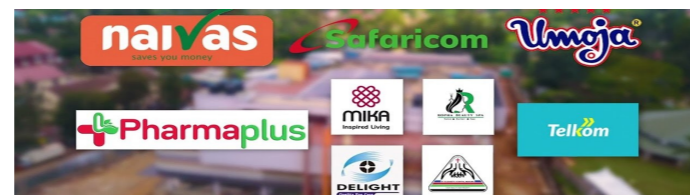
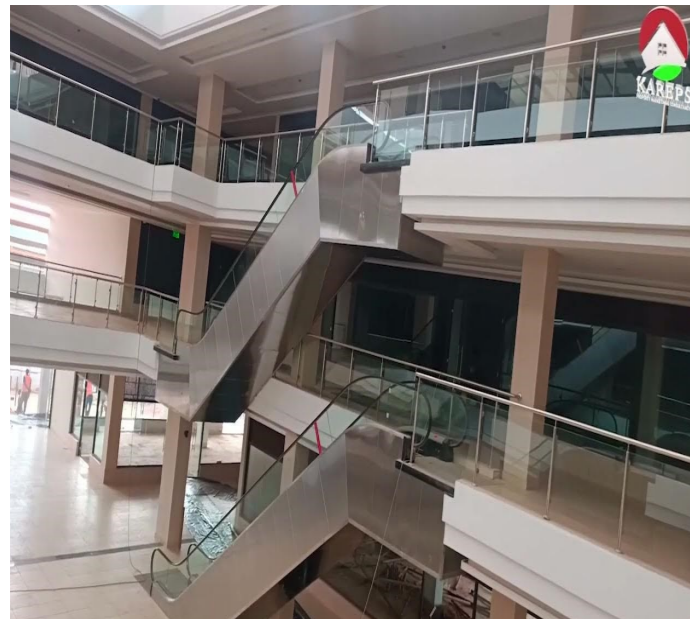


As the Cathedral Mall prepares for its first phase opening, stakeholders must learn from past experiences and set reasonable pricing to ensure the sustained success of the project. The mismatch between rental income expectations and clients' budgets has contributed to vacant spaces in existing structures, a trend the new mall aims to rectify through strategic planning and collaboration.



Moreover, with the emerging middle class in Kakamega, there is a growing demand for commercial buildings equipped with modern amenities such as elevators, especially beyond the third floor. Understanding the preferences of this discerning demographic will be crucial for the success of real estate ventures like the Cathedral Mall.

All things considered, the Cathedral Mall offers a ray of hope for future economic expansion and a noticeable change in the town's environs. This initiative has the potential to reinvent Kakamega as a thriving hub of business and culture by creating job opportunities, encouraging stakeholder engagement, and making adjustments to meet evolving community needs. The mall is a tribute to the hopes of the Kakamega community as well as a symbol of development, as building moves forward and the vision is realized. The Cathedral Mall is a potential new phase in the town's development toward sustainability and prosperity because of its perseverance, teamwork, and forethought.



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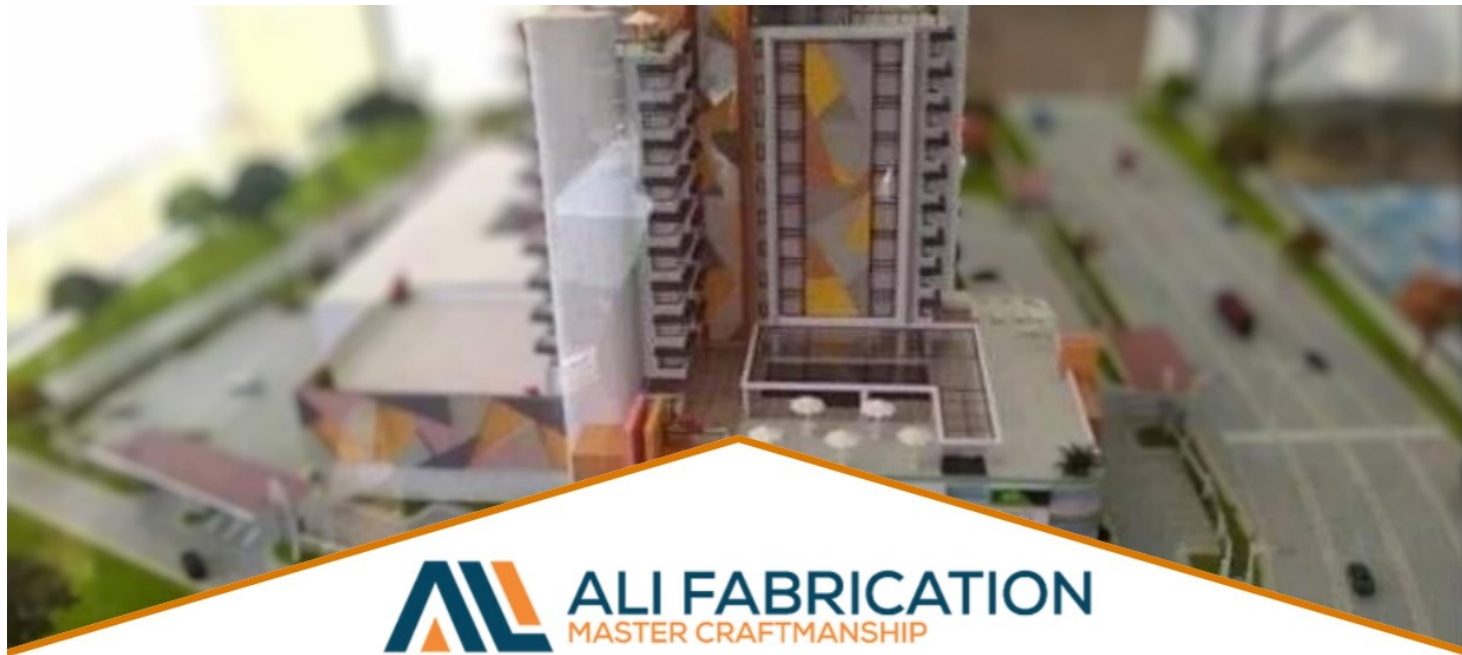


We are proud to be associated with Catholic Diocese of Kakamega, Cathedral Mall as the main contractor and the project manager



Tel: 0722-677-277

Email: stevebahati@gmail.com



WHO WE ARE

Ali Fabrication Solutions is a leading provider of high-quality fabrication and engineering services, with over 13 years of experience in the industry. Our team of skilled professionals has successfully completed a wide range of over 300 projects, from small-scale custom fabrication to large-scale industrial projects.



WE ARE PROUD TO BE ASSOCIATED WITH KAKAMEGA CATHOLIC DIOCESE MALL

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KENYA BUILDING & CONSTRUCTION MARKET ANALYSIS 2024

Kenya stands as the proud home to Africa's towering skyscrapers, with numerous projects underway in both governmental and private sectors. A total of 17 skyscrapers have already surpassed the 100-meter mark, showcasing the nation's commitment to urban development.

This anticipated growth is attributed to strategic investments in pivotal sectors such as transportation, electricity, housing, and manufacturing.

In 2021, the Kenyan construction market exhibited a robust value of \$16.6 billion, and projections suggest an Annual Average Growth Rate (AAGR) exceeding 5% from 2024 to 2026.

A key initiative involves the construction of 10,000 housing units, contributing significantly to the sector's expansion.

The latest data from the Kenya National Bureau of Statistics (KNBS) for Q3 2022, coupled with leading indicators, indicates a robust economic performance.

KAPS provides efficient and secure facility management systems across East Africa Region. We offer state-of-art automation systems including parking solutions, revenue collection, smart meters, access control, facility security and customized IT based solution with real-time monitoring and reports.

We are proud to be associated with Catholic Diocese of Kakamega, Cathedral Mall, as their Parking Services solutions Provider.



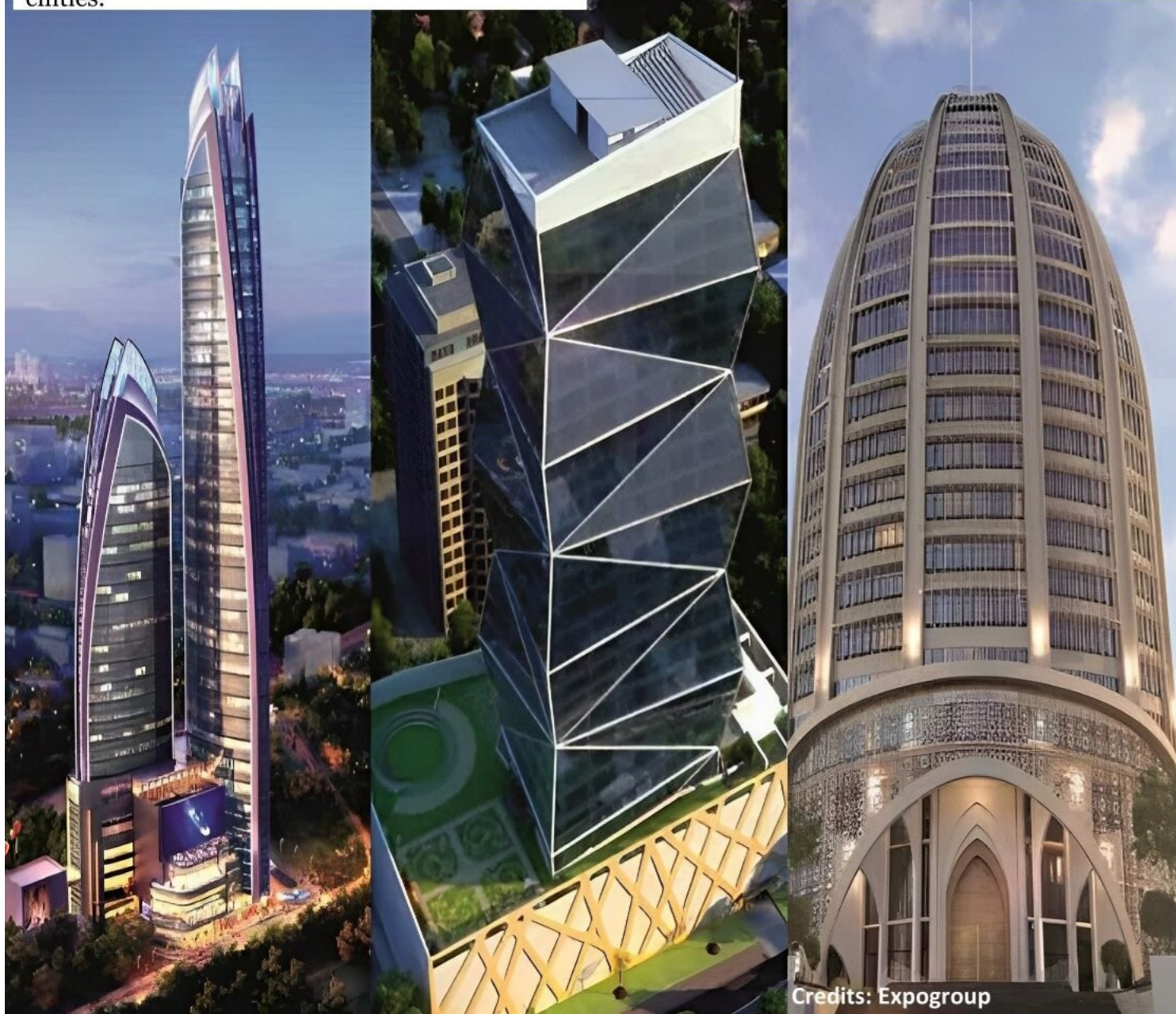
The nation experienced a notable 4.7% increase in Real GDP during this period, primarily fueled by vibrant activities in wholesale and retail trade, education, electricity and water, as well as the real estate sector. The surge in construction activity can be directly linked to Kenya's flourishing economy.

The National Construction Authority (NCA) processed 8,154 project registration applications in the previous year, as revealed in the recent Status of the Build Environment Report by AAK. Notably, the approved projects carried a total cost of Sh280.9 billion.


Looking ahead to 2024, Kenya's construction landscape includes a 30 million euros (\$32 million) investment in constructing eight sports facilities.


A significant infrastructure project is the development of a 104km four-lane stretch from Kisian in Kisumu to the Busia border town, accompanied by an 11km link road between Kisian and Kisumu bypass. Additionally, a 127km stretch between Jinja and Malaba. This initiative is an extension of the \$1.48 billion Kampala-Jinja expressway, slated for completion by 2025.

Kenya Railways has initiated Phase 1 of The Nairobi Railway City project, an endeavor with an estimated cost of KES12 billion (\$95 million). The groundbreaking ceremony, held at the Nairobi Central Railway station in December, marked the commencement of this transformative urban development project. The Kenyan Government's vision for 'The Nairobi Railway City' involves the redevelopment of Nairobi Central Railway station and its environs into a multimodal, transit-oriented urban hub.




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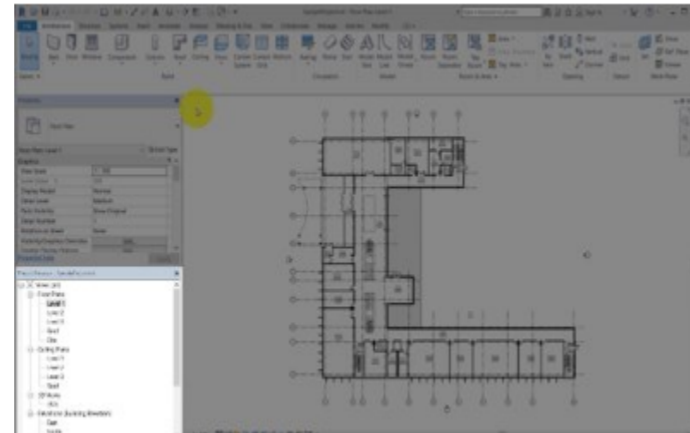
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Building Smarter: Tech Revolutionizes Kenya's Construction Landscape

Across Kenya, a familiar symphony of progress echoes. Buzzing saws and clanging steel blend with the whirring of machinery, but hidden within this familiar orchestra lies a new melody – the rhythm of technology transforming the nation's construction sector. From towering skyscrapers adorned with smart sensors to rural villages dotted with 3D-printed houses, Kenya's embrace of tech is revolutionizing the way buildings are designed, built, and managed.

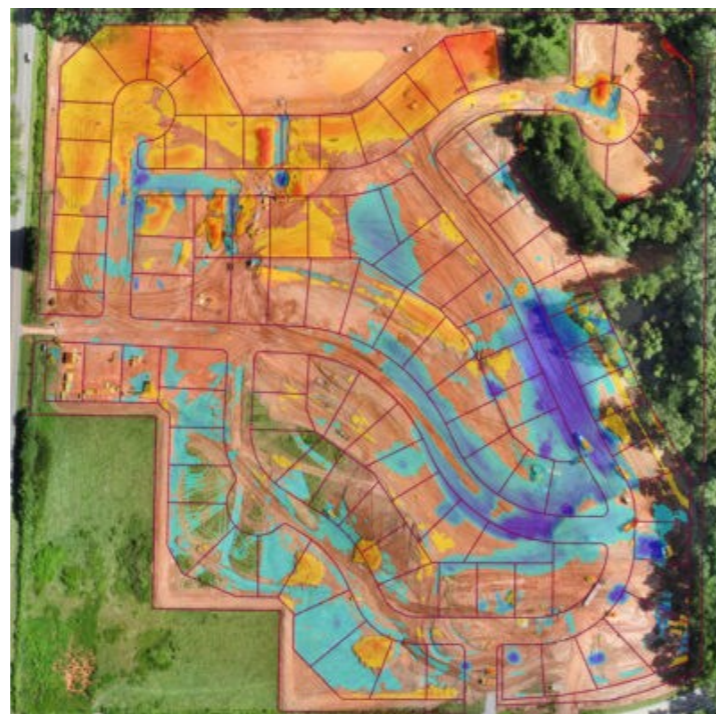
Digitalizing the Blueprint: Design and Planning

Kenya's architects and engineers are trading drafting tables for digital drawing boards. Building Information Modeling (BIM) software like Revit is reshaping the design process, creating 3D models that encompass every aspect of a building, from structural elements to plumbing systems. This virtual twin allows for clash detection, improved collaboration, and cost savings during construction.

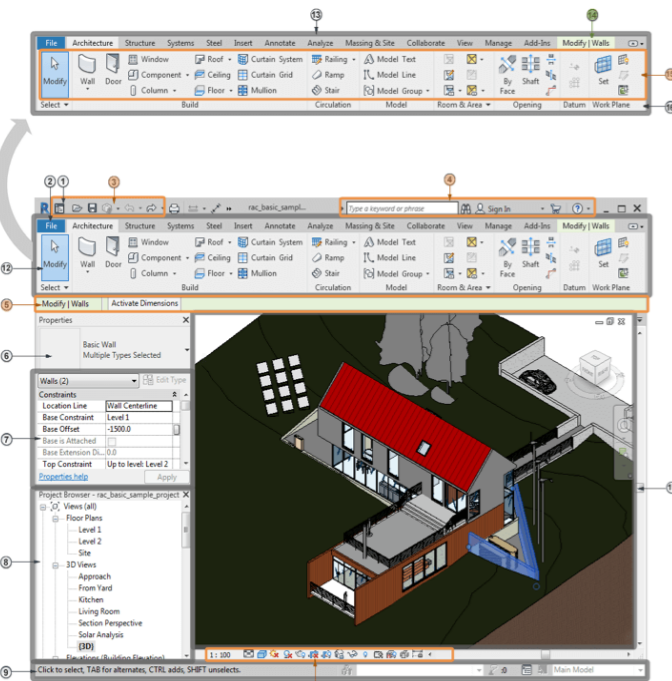


Revit software interface

Drone technology soars above projects, capturing high-resolution aerial images and data that feed into detailed topographic maps and 3D models. This not only streamlines site surveys but also enhances safety and monitoring capabilities. Virtual Reality (VR) tools immerse clients and stakeholders in realistic simulations of buildings before construction even begins, facilitating feedback and informed decision-making.



Assessing cut (red) and fill (blue) on a construction site using drone surveying.



Building with Brains: Construction and Management

Robots are no longer confined to science fiction; they're entering Kenyan construction sites. From automated bricklaying machines that flawlessly stack bricks to drones deploying rebar, robots are taking on repetitive tasks, improving efficiency and safety.



Robotic bricklaying machine

3D printing technology, once futuristic, is transforming the construction landscape. Companies like Conceptoshelter are printing affordable, eco-friendly houses in a matter of hours, offering sustainable housing solutions in remote areas and disaster zones.

Big data and analytics are transforming project management. Sensors embedded in materials and equipment generate real-time data on everything from temperature and humidity to equipment performance and worker activity. This data is then analyzed by platforms like Construction Management Software (CMS) to optimize workflow, identify potential issues, and improve efficiency.



3D printing technology

Sustainability at its Core: Building for the Future

Kenya's tech-driven construction revolution is not just about efficiency; it's about building a sustainable future. Green building practices are increasingly integrated into projects, utilizing recycled materials, energy-efficient systems, and smart technology to minimize environmental impact. BIM software can now factor in energy consumption and optimize building design for reduced carbon footprint.

Renewable energy sources like solar panels are finding their way onto rooftops, powering construction equipment and even entire buildings. Innovative materials like bio-bricks and bamboo are reducing reliance on traditional, resource-intensive materials.





- Lack of robust data infrastructure and internet connectivity can hinder the deployment of tech solutions.
- Initial investment costs for adopting new technologies can be a barrier for some companies.

However, these challenges are not insurmountable. With government initiatives, industry collaboration, and targeted investments in training and infrastructure, Kenya can overcome these hurdles and unlock the full potential of tech in its construction sector.

Building a Brighter Future: The Kenyan Way

Kenya's construction sector is poised for a transformative era. By embracing technology, the nation is not just building houses and roads; it's building a more efficient, sustainable, and inclusive future. From the bustling streets of Nairobi to the quiet villages beyond, the rhythm of technological progress is echoing in every brick laid, every beam raised, and every line of code written. This is not just Kenya's construction revolution; it's a blueprint for a brighter future, built smarter, greener, and one tech-driven innovation at a time.

Remember, this is just the beginning of the story. Further exploration could delve into specific technologies being used in Kenyan construction, case studies of successful tech-driven projects, and the potential impact of these innovations on the construction workforce and the wider Kenyan economy. The future of Kenyan construction is being built not just with bricks and mortar, but also with lines of code and the boundless potential of technology. Let's watch this exciting story unfold, brick by digital brick.



Challenges and Opportunities: Paving the Way Forward

Despite the transformative potential of technology, challenges remain:

- Limited access to technology and training, particularly for smaller companies and rural areas.



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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.

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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.



Cost of Living Challenges and the Construction Sector: Navigating a New Landscape



In an era of rapidly escalating living costs, the construction sector finds itself under the same financial strain as many other industries. The cost of materials, labor, and fuel has all increased in recent months, putting a strain on construction companies and their clients.

Materials Costs Surge: The rising cost of materials is a major challenge for construction companies. The prices of key materials such as steel, concrete, and lumber have all increased significantly in recent months. This is due to a number of factors, including supply chain disruptions, rising energy costs, and increased demand from China.

Labor Expenses on the Rise: The rising cost of labor is another challenge for construction companies. Wages for construction workers have been increasing in recent years, as the sector has become more competitive. This is due in part to the aging workforce and the declining number of young people entering the trades.



Navigating the Construction Landscape Amid Economic Uncertainty

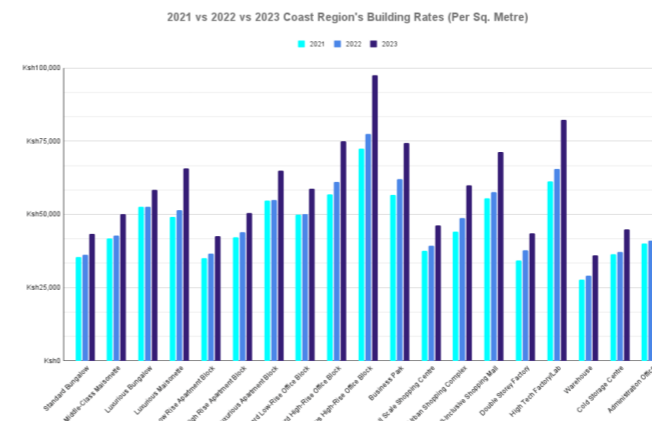
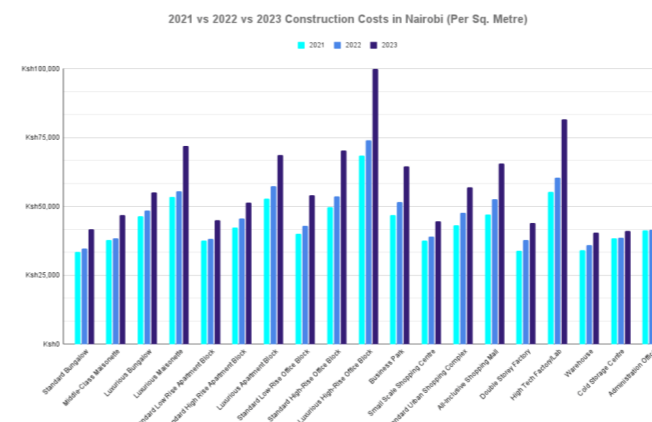
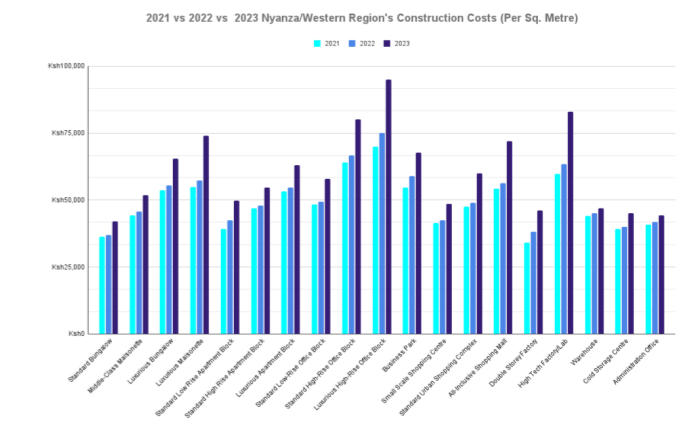
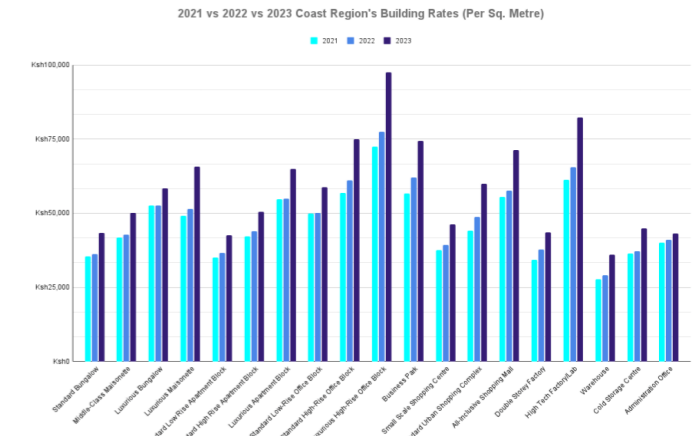


Fuel Costs Add to the Burden: The rising cost of fuel is also a challenge for construction companies. Fuel is used to power machinery and transport materials, and the rising price of fuel is making it more expensive to operate construction sites.

These challenges are having a number of effects on the construction sector:

Increased costs for clients: The rising cost of materials, labor, and fuel is leading to higher construction costs for clients. This is making it more expensive to build new projects and to renovate existing buildings.

Delayed projects: Some construction projects are being delayed due to the rising cost of materials and labor. This is because construction companies are struggling to find the resources and workers they need to complete projects on time.



Cancelled projects: Some construction projects are being cancelled altogether due to the rising cost of living. This is because clients are no longer able to afford the cost of construction.

The escalating cost of living poses a formidable challenge to the construction sector. Adaptation has become imperative for construction companies to not only survive but also thrive in this new economic landscape.

Adaptation Strategies in the Construction Sector:

- 1. Efficient Construction Methods:** Construction companies are embracing more efficient construction methods to curtail costs. Prefabricated construction techniques, for instance, expedite project completion and enhance cost-efficiency.
- 2. Technological Advancements:** Investments in cutting-edge technologies are on the rise. Drones, for example, are being employed for site inspections and project mapping, bolstering efficiency and reducing costs.
- 3. Price Adjustments:** Construction companies are adjusting their pricing models to offset the heightened costs of materials and labor. This, in turn, increases the overall expense for clients looking to undertake construction projects.



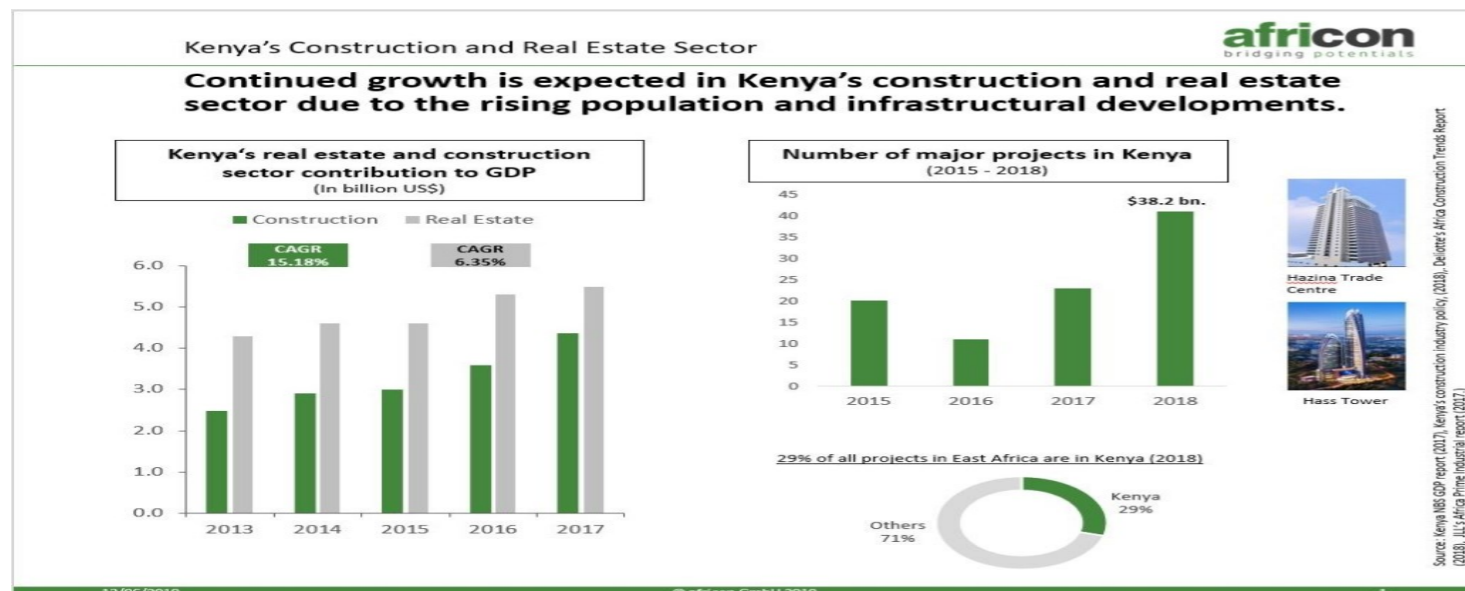
It's crucial to recognize that the impact of the rising cost of living on the construction sector can vary significantly from one country or region to another. Some regions are experiencing a construction boom, while others are grappling with stagnation. Additionally, the type of construction project plays a crucial role in determining its vulnerability to delays or cancellations. Residential projects, for instance, are generally less prone to such disruptions compared to commercial endeavors.

4. Supply Chain Resilience: The disruptions in global supply chains have made construction companies reassess their sourcing strategies. Many are seeking local or regional suppliers to reduce dependency on international markets and mitigate the impact of supply chain disruptions. They are diversifying their project portfolios to include a mix of large and small projects, as well as public and private ventures. This approach can help balance financial stability when economic conditions fluctuate.

5. Upskilling and Training: The rising cost of labor has emphasized the need for skilled workers who can operate efficiently. Construction companies are investing in training and upskilling programs for their workforce to ensure that projects are executed with the highest level of expertise. This approach not only increases efficiency but also fosters a sense of job security among workers.

6. Risk Management: Given the uncertain economic landscape, construction companies are becoming more adept at risk management.

In conclusion, the escalating cost of living presents a substantial challenge to the construction sector. However, it's an industry known for its resilience and adaptability. Construction companies are swiftly adopting more efficient methods, harnessing new technologies, and adjusting pricing structures to navigate this challenging landscape successfully.



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Gahir engineering works limited has consolidated its footprint as one of the leading construction machinery manufacturer in Eastern Africa. From the humble beginnings of a dealer in general repair jobs in engineering industries and construction equipment to the largest manufacturer of a wide range of quality industrial and construction machinery. Established in 1977, the company can look back on a successful story of growth and product development; having supplied numerous products to prestigious projects.

With more than 46 years of experience, the company works closely with their clients to develop innovative solutions and turn-key engineered solutions centered on industrial and construction sectors. The aim of this rapport is to provide every client with continuous preferences over the long term.



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Quarry Equipment Feeders & Crushers

The company's capabilities extend to the manufacture of Desco Intro-Lock Block Machines for use in design, so that they can be teamed with feeding the concrete mix to the machine and handling the block from the machine to stock piling yard; hence giving a smooth,



Platt Type Block Machine



Lay Type Block Machine

totally integrated operation that saves time and money for the best end results from block machines. The product is too convenient since it is simple in design with few moving parts, less vibration and easily maintained. Furthermore, it is portable and semi-automatic with either electrical diesel or petrol driven engines. This machine is particularly suitable for operation in remote areas with or without electricity supply and with a team of unskilled labor.

They have a fully equipped tool room and staff with experience and market know-how capacity coupled with a brilliant engineering team that is equipped with the latest technology.

Gahir engineering works can provide a total tooling solution for customers from design and manufacture through product sampling and production. For instance, it has the equipment for processing waste and surplus dust available in quarries which can be utilized instead of sand.



Converyoel Belts & Crush Plant

The dust available in quarries over time accumulates with fine dust and soil which has to be washed before use. The firm's aggregate washing plant cleans the dust ready for use in the construction industry. The Firm uses these to excel in the market and to succeed in this dynamic business environment.

Since its inception, Gahir engineering works has successfully undertaken several works for various clients ranging from government and institutional facilities to private and commercial clients.



Pan Mixer Machine

They have a large database of satisfied clients. National concrete company, Orbit enterprises, Sirikwa quarry in Eldoret, Ndugu transporters in Kisumu and Tororo cement factory in Uganda are recent clients that the company has supplied complete vibrating screens, grizzly feeders, and conveyors.

With the current trends of constructing multi-storey buildings and storage Go-downs, moving and storing of goods is tedious.

Due to its experience and understanding of its clients' needs, Gahir engineering works manufactures goods-lift or hoist machines that can lift goods weighing a tone or more. The company has installed such lifts in Nakuru, Kisumu and Kitale.

Apart from that, the company has cemented its rapport with international clients where they export some of their products to Tanzania, Uganda, and Sudan are some of the countries where Gahir engineering works, exports its product.



Cabro Block Machine Moulds

"The government has to come out and save local industries," he advises, "they have to make imported products expensive to save the market". According to Gahir, political instability in Sudan has affected the market. Furthermore, cheap and sub-standard products have not only, affected the Kenyan market but also Tanzanian and Ugandan markets.

As a future solution, Gahir engineering works limited gives you an ideal alternative in manufacture and supply of different types of construction machinery such as concrete mixtures, pan concrete mixers, heavy duty desco machinery; and other machinery for wood work such as circular saws, roller benches, band saws, breakdown and planners. The company is based in Nairobi, Pate road, off Lunga-Lunga road, Industrial area.

The company maintains a long-standing rapport between themselves and the clients after completion of the projects by visiting the sites and providing professional advice which provides the comfort of knowing they stand behind every job.


Amarjit Sing Gahir one of directors, urges clients to go for quality products. "People suffer after buying sub-standards products," he adds. He cautioned clients to go to a company which can be held accountable of their products. According to Mr. Gahir, the right products have to be used for the right purpose not looking at the price since the end result is better.

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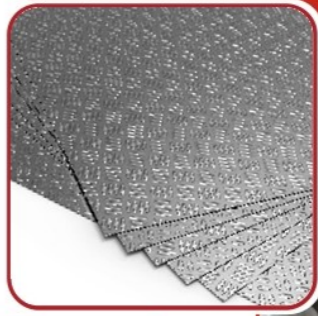


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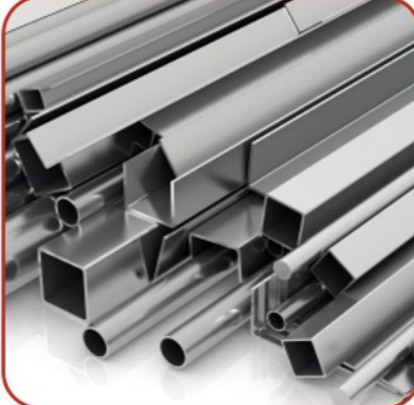
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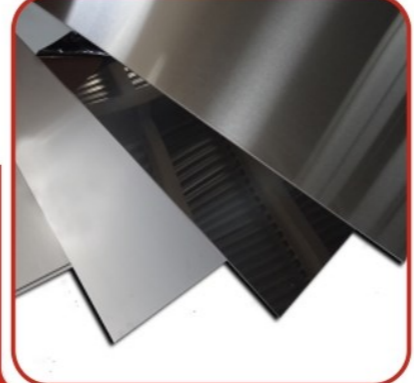
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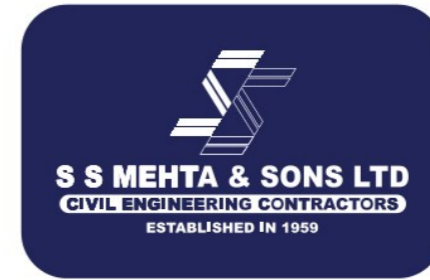
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Building Secure: Protecting Your Construction Site from Threats and Hazards



Construction sites, bustling with activity and potential, are also vulnerable to a range of security challenges that can jeopardize the success of a project. From theft and vandalism to safety hazards, the risks are significant. Establishing a robust site protection strategy is essential to mitigate these threats and create a secure environment for both workers and valuable assets.

The Importance of Security

Deter Theft and Vandalism

Construction sites are often targeted by criminals seeking valuable equipment, materials, and tools. The financial losses, project delays, and safety hazards resulting from theft and vandalism can be substantial. A proactive security approach is essential to deter potential threats.

Prevent Unwanted Access

Uncontrolled access to construction sites poses risks such as injuries, property damage, and potential liability issues.

Unauthorized individuals, trespassers, or curious onlookers can compromise the safety and integrity of the site. Effective security measures are crucial to prevent unwanted access.

Maintain a Safe Work Environment

Construction sites inherently involve dangers such as tripping hazards, falling objects, and heavy machinery operation. Security measures not only deter unauthorized entry but also contribute to maintaining a safe work environment for construction workers.

Securing Your Site

Physical Barriers

Visible deterrents, such as fences, gates, and security cameras, act as physical barriers to unauthorized entry. Employ robust materials for fencing and ensure proper lighting to enhance visibility during nighttime hours.

Access Control

Implement a comprehensive access control system to track and manage site access. This includes issuing ID badges for authorized personnel, logging entry and exit times, and limiting access to specific areas based on roles and permissions.

Security Personnel

Hire trained security guards or patrols to provide a visible presence on-site. Their role is to deter potential threats, respond promptly to emergencies, and ensure the overall security of the construction site.



Technology Solutions

Utilize advanced technology, including alarm systems, motion detectors, and electronic access control systems. These tools help monitor activity, trigger alerts in case of unauthorized entry or suspicious behavior, and enhance overall site security.

Communication and Training

Effective communication is crucial in maintaining site security. Conduct regular training sessions to educate personnel on site safety procedures, security protocols, and reporting processes. Fostering a culture of awareness contributes to the overall success of the security strategy.





Regular Inspections

Conduct regular inspections of the site perimeter, security measures, and equipment. Identifying and addressing potential vulnerabilities promptly enhances the effectiveness of the security strategy.



Building a Secure Future

Protecting a construction site is an ongoing process that requires vigilance and a proactive approach. By implementing a comprehensive security strategy, utilizing appropriate technology, and fostering a culture of safety awareness, construction project managers can minimize risks, safeguard assets, and ensure a safe and successful construction experience for everyone involved. A secure construction site lays the foundation for a successful and thriving project.

Beyond Security

While security measures are paramount, additional considerations contribute to the overall protection of the construction site:

Site Management

Maintain a clean and organized site to reduce clutter and tripping hazards. An organized environment not only enhances safety but also facilitates effective security measures.

Inventory Management

Implement a robust system to track and manage tools and materials. This reduces the risk of theft and loss, ensuring that resources are utilized efficiently throughout the construction process.

Protect your inventory from theft and damage

36



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