

Builders

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Magazine



1.5 MWp solar photovoltaic
project for Nyeri, Kenya



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1.5 MWp solar photovoltaic project for Nyeri, Kenya



The financial close for a 1.5 MWp solar photovoltaic project at Kiamariga village in Nyeri County, the central region of Kenya has been attained following the release of US\$ 355,000 equity investment by the Renewable Energy Performance Platform (REPP), a UK government-funded program dedicated to sponsoring/supporting renewable energy development projects, particularly in the growing economies such as sub-Saharan Africa.

Earlier on, Sunref which is the green finance label of the French Development Agency (AFD) supporting local banks in allocating green credit in favorable conditions i.e (low-interest

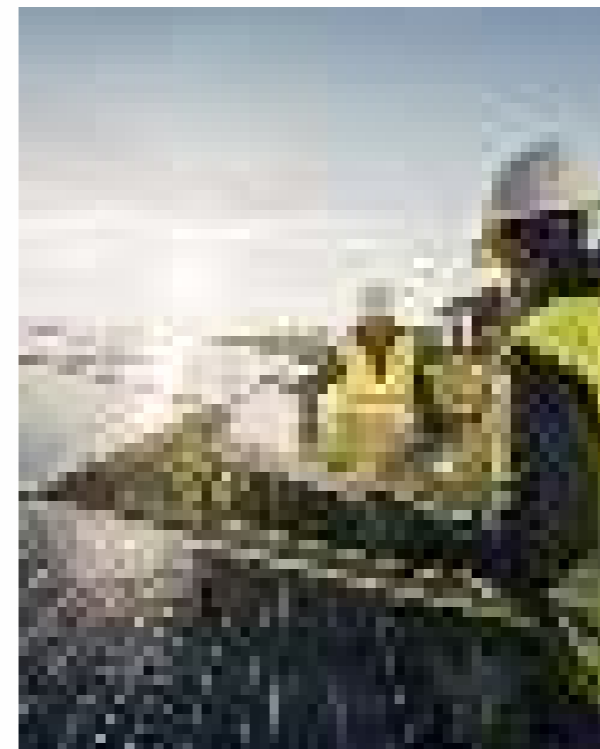
rates, long tenor, grace period) for tailored made debt, granted US\$ 1.8M through the Co-operative Bank of Kenya, to help fund the implementation of the project.

Race to becoming one of the country's privately owned grid-connected solar power plants

REPP's grant will enable Astonfield Solar, an Engineering, Procurement, and Construction (EPC) company that provides captive solar solutions to industrial and corporate clients in Sub-Saharan Africa, Middle East, and India, to ramp up the implementation of the project which is expected to become one of the East African country's privately owned grid-connected solar power plants.

Also Read: Kenya's first-ever floating solar power plant to be constructed
 The developer, Marco Borero Company, has already signed a Power Purchase Agreement (PPA) to supply electricity to the state-owned Kenya Power & Lighting Company (KPLC) once the plant is operational.

The project is expected to come online by the end of December this year.
 Contribution to Kenya's NDC target



According to REPP, the project other than creating job opportunities in the locality and adding to the national electricity capacity, it is also expected to contribute to Kenya's Nationally Determined Contribution (NDC), that takes a low emission and climate-resilient development pathway, with ambitious mitigation geared towards reducing country's greenhouse gas (GHG) emissions by 30 % come 2030.

"Furthermore, the project will also contribute to local capacity building with the first promoter, who wants to develop a pipeline of renewable energy projects in the region" stated the Renewable Energy Performance Platform.

Bugesera International Airport



The first phase of Bugesera International Airport in Rwanda will be delivered by December this year according to Hon. Claver Gatete, the Rwandan Minister of Infrastructure.

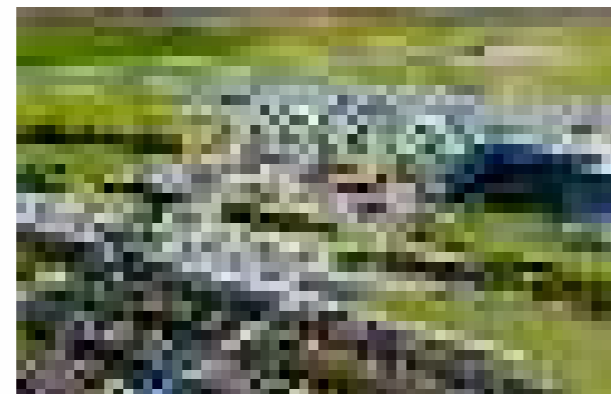
The minister made the announcement during the recent 5-day Executive Workshop of the Union of Central and West African Airport Managers (UGAACO) that aims to improve skills for the efficient management of airports and ensuring an appropriate degree of global standardization and quality leadership competencies through experience exchange on airport management challenges.

“The construction activities of the US\$ 1.3bn airport were hampered partly by modifications made to some aspects of the project, and partly



by the COVID-19 pandemic where only 50% of workers are allowed on the site at a go. However, to this point the horizontal works, including the construction of runways and other infrastructure that are required for an airplane to land, are nearly 40% complete,” “We have also started recruitments for construction of terminals and other required buildings, and we plan to start the works in the next two months. Generally, we are doing our level best to have construction activities on this phase completed by the end of next year,” explained Hon. Gatete.

The second and last phase of the project is expected to start by 2032.



year for the first phase and 14 million passengers a year following the completion of the second phase. It will become Rwanda’s largest International Airport, serving commercial flights destined to and from the greater Kigali metropolitan area, and the country’s 8th airport overall.

Expectations for the project

The construction of the Bugesera International Airport begun back in August 2017 with Mota Engil Engenharia e Construcao Africa as the main contractor.

Upon completion, the airport will serve approximately seven million passengers per



Builders' Magazine

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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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COMPANY PROFILE CORBAN CONSTRUCTION LIMITED (General building, Roads, Civil works, Water works and Mechanical contractors)

Head office :
Milestone business center
Northern bypass

Address:
P.O Box 7303-00300
Nairobi

Telephone:
020-2369401
+254 722 392 547
+254 722 241 348

Email:
info@corban-construction.com
cbnconstruction@yahoo.com

INTRODUCTION

Corban Construction Limited is a registered company fully owned and operated in Kenya. The company was incorporated in the year 2007. The directors of the Company are two, namely; Joseph K. Maina and Francis G. Macharia.

The core business is building construction, civil works, and Mechanical Installations.

Corban construction Limited has registered with National Construction Authority; **'NCA 2'** in the Building works category (Reg. No. 1584/B/0214),

'NCA 3' in the Roads & Civil Works category

(Reg. No. 1584/R/0214) and **'NCA 3'** in the Mechanical Engineering service category (Reg. No. 1584/M/1117). Services offered: -

Corban Construction Limited is committed to providing its high-quality services in the following fields:

- Building Construction
- Design and Construction of Roads, Driveways, Drainage, Sewerage and Water supply systems.
- Design and construction of residential, institutional and commercial buildings including all the building services.
- Partitioning, Joinery works, and painting.
- General renovations work.
- Supply of joinery fittings and other household equipment.
- Our workforce is well experienced in the fields of civil, structural and mechanical.



Head Office – Nairobi, Kenya
The Green House, 3rd Floor, Suite
18 Eastern Wing, Ngong Road.
Tel: +254 20 3860839, +254 20 3860840,
+254 20 2453081
Mobile: +254 722 398215.

VISION, MISSION AND VALUE STATEMENT

Vision

Our vision defines the platform of our business for our clients. Corban Construction Ltd vision is to be the preferred provider of cost effective and innovative construction solutions to our customers.

Mission

Our mission is to provide cost-effective and innovative construction solutions that satisfy the needs of our customers whilst guaranteeing continuous development and benefit to our employees.

Value statements

- Understanding and satisfying our customer's needs.
- Providing equal opportunities for the development of our people.
- Encourage initiative.
- Stretch individual capabilities.
- Promote commitment to quality.
- Promote honesty and integrity amongst the employees.
- Promote a healthy and safe working environment.

QUALITY MANAGEMENT POLICY

Corban Construction Limited has always looked towards improving and maintaining its quality standards. In pursuit of the above Corban Construction Limited is committed to:

- Regular and timely audit and servicing of plant and machinery .
- Create awareness to our employees and other stakeholders on our quality policy by training and effective communication.
- First Aid training.

Corban Construction Limited since its inception and through time has ensured a high-quality product through a comprehensive system of quality control and check. A system is a pronged approach that incorporates a rigorous in-house quality checks system. The system also encompasses test laboratories, which are a standard within the construction field. As such, compliance with contract requirements is maintained.

Through the system that has developed from constant concern for the end product, procedures which delineate how quality is

monitored and controlled have emerged through the time Corban has been in operation. Corban's professionals in liaison with design practitioners in the field ensure quality aspects are adhered to in execution of design works to the satisfaction of all the clientele and all the eventual users. Corban also has a specific team of staff members, who are vested with the task of ensuring that quality is always of the highest standard. They amongst other things ensure:

- Regular inspections are performed.
- Tests are done and results forwarded to the relevant authorities.
- Items of works are accepted or rejected as advised by design consultants or clients.
- General monitoring and control of site and workshop activity.
- Co-ordination amongst staff members with high standards of quality product in mind.
- Formulation of comprehensive quality plans of projects as deemed fit.

ENVIRONMENTAL, HEALTH AND SAFETY POLICY

Environment, health, and safety play a major role in the day to day operations of a company. Corban construction ensures that adequate measures have been introduced and put into practice. The policies are among other things geared;

- To ensure the health, safety, and welfare of employees at work and any other person on an authorized visit.
- To maintain the company's plant in good condition to avoid any risk to safety and health as far as possible.
- To comply with all relevant laws and regulations to health and safety at work.
- To creating awareness among employees and educate them on the health and safety measures and the importance that should be given to the implementation.
- To ensure that the policy is effectively implemented and integrated into the business strategy.

The policies are reviewed on regular basis to incorporate changes in the industry based on health and safety standards and changes in the legislation.

Our company's key policy on safety is to minimize the risks to which both our workers

and visitors at the sites are exposed which are done through:

- Providing safety clothing to all our workers e.g. helmets, overalls, Facemasks, safety belts, safety boots etc. This also applies to visitors where applicable.
- Providing adequate support to excavations to minimize chances of sides collapse.
- Providing adequate covers, temporary worker fencing and warning signs to deep

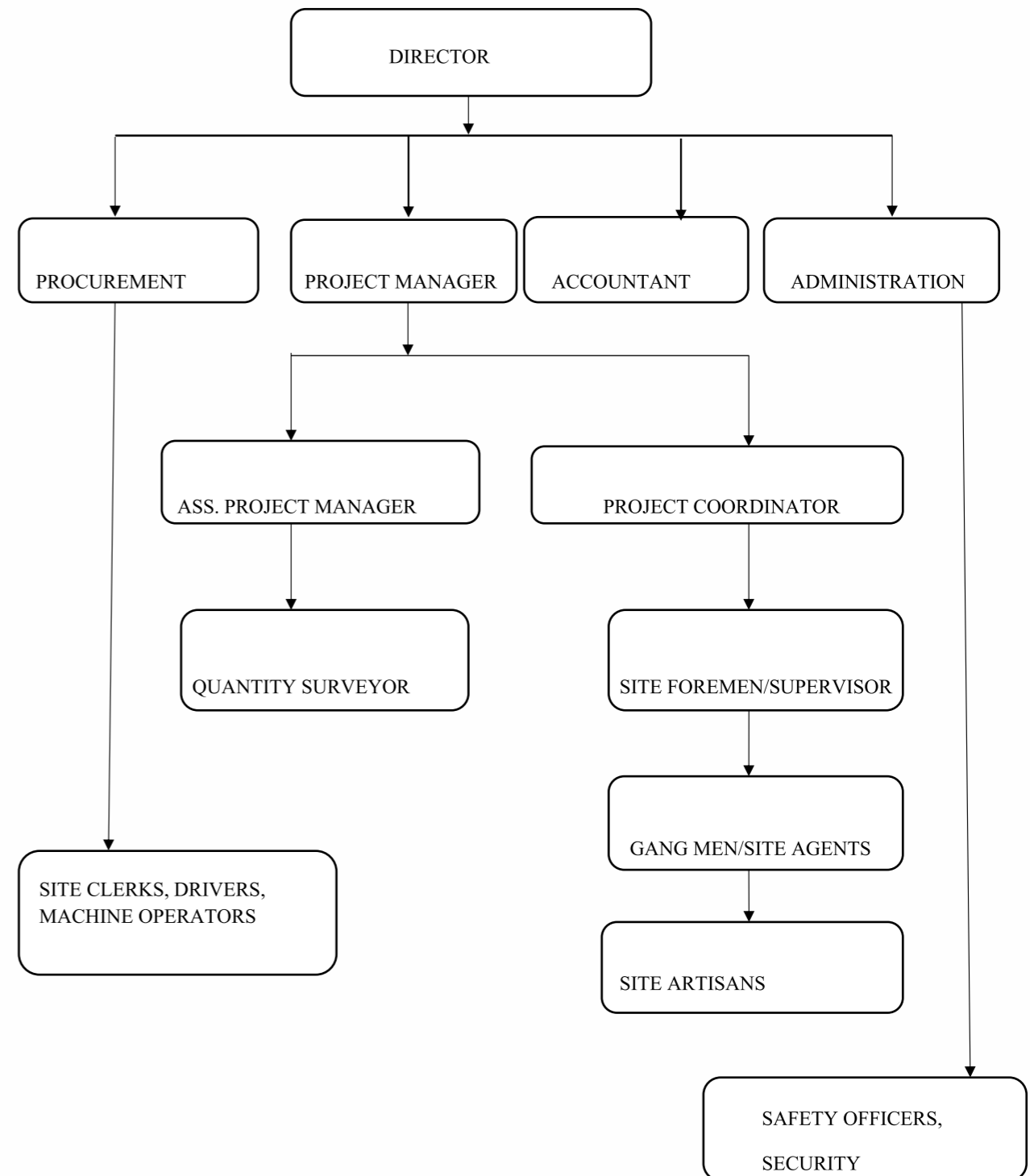
excavations or any other dangerous points at the site.

- Ensuring that there is a complete First Aid Box at the site all the times.

SUMMARY

Name of Company:	Corban Construction Limited
Location of registered office:	Milestone Business Centre –Membely, Northern Bypass
Postal address:	P.O. Box 7303-00300 Nairobi Kenya
Telephone no:	020-2369401
Email address:	info@corban-construction.com cbnconstruction@yahoo.com
Names of Directors:	Mr. Francis Macharia Mr. Joseph Maina
Name and address of Banker:	Equity Bank Corporate Branch P.O. Box 75104-00200 Nairobi
Name and address of Banker:	Family Bank, Four Ways Towers P.O. Box 74145-00200 Nairobi
Name and address of Banker:	NIC Bank, Kenyatta Avenue P.O. Box 44599-00100 GPO
Name and address of Insurer:	CIC General Insurance Limited P.O. Box 59485-00200 Nairobi
Name and address of Insurer:	Metropolitan Cannon General Insurance Ltd P.O. Box 30216-00100 Nairobi
National Construction Authority:	NCA 2 – Building Works; Reg No 1584/B/0214
National Construction Authority:	NCA 3- Road works; Reg No 1584/R/0124
National Construction Authority:	NCA 3-Mechanical works; Reg No 1584/M/1117

COMPANY ORGANIZATION STRUCTURE



KEY PERSONNEL

	NAME	QUALIFICATION	YEARS OF EXPERIENCE	YEARS WITH THE COMPANY
DIRECTORS OF THE FIRM				
1	Francis G. Macharia	Bachelor of Technology (Civil & Structural Engineering)	19	12
2	Joseph M. Muhia	Bachelor of Technology (Civil & Structural Engineering)	19	12
PROJECT MANAGER				
3	Erich Nyagah	Bachelor of Science in Civil Engineering	19	12
4	Dennis Gitari	Bachelor of Arts (In Building Economics)	14	10
ASS. PROJECT MANAGER				
5	Charles N. Ngunyi	Bachelor of Quantity Surveying	5	5
QUANTITY SURVEYOR				
6	Dennis Mundati	Diploma in Quantity Surveying	5	5
PROJECT COORDINATORS				
7	Amos Kamau	Diploma in Civil Engineering	10	9
8	Bonface Otieno Ndar	Diploma Technology in Civil Engineering	6	6
SITE SUPERVISORS/AGENTS				
12	Martin Murimi	Diploma in Civil Engineering	4	4
13	Michael Ndungu	Diploma in Building and Construction	2	2
14	Evans Kuria	Diploma in Building	6	6
SITE ARTISANS				
15	Joseph Munyoki	Trade Test Grade III(Plumbing)	23	12
16	David Mahiuha	Final Craft Certificate (Electrical Installation)	12	7
17	Moses Odera	Hands on Experience (Masonry)	10	9
18	Hesbon Opiyo	Hands on Experience (Carpentry)	10	9
19	Julius Mutua	Hands on Experience (Steel Fixing)	10	9
20	Daniel Onyango	Hands on Experience (Welding)	10	9
ACCOUNTANTS				
21	Waldegard Otieno Olewe	B.com, CPA (K) Senior Accountant	17	1
22	Zipporah Wahu	CPA VI Certified Accountant	7	7
PROCUREMENT				
23	Melvin Okumu	Bachelor In Business Administration	3	3
ADMINISTRATOR				
24	Mary Kanyotu	Diploma in Business Management	6	6

	NAME	QUALIFICATION	YEARS OF EXPERIENCE	YEARS WITH THE COMPANY
HEAD OFFICE STAFF				
SAFETY OFFICERS				
25	Faith Anyonje	Bachelor of Science in Environmental Science	6	6
26	Catherine Nyambura	Final Aid at Work Course	4	4
27	Monicah Macharia	Final Aid at Work Course	4	4

OTHERS

Number

Drivers

Site Clerks

Security

7

10

10

ATTACHED:

Academic Certificate

Testimonials

	NATURE OF WORKS	CLIENT	CONSULTANT	AMOUNT (KSHS)	CONTRACT PERIOD
1	Proposed Extension of Contract of Renal Unit for Kenyatta National Hospital	Kenyatta National Hospital	Arch. Robinson	166M	Nov 2017-Nov 2019
2	Proposed Senior staff quarters at Mt. Kenya Academy	Mt. Kenya Academy, Nyeri	Jawkim Consulting Architects	13M	June 2019- Feb 2020
3	Proposed Additional Dormitories, dining Hall and Support facilities at Ilkeek Aare Primary School Suswa	Lions Club Thika	Design Bureau	53M	Sept 2017-Sept 2018
4	Proposed Commercial development of Shopping Complex at South B	CYKA holdings	Archscan associates ltd	67M	Oct 2016- July 2018
5	Proposed development of parish Hall, Tassia	Tassia Catholic Church	Strasa architects	75M	Oct 2017 –July 2018
6	Proposed construction of Hostel at Dairy Training Institute, Naivasha	Smallholder Dairy Commercialization Programme (SDCP)	County Works officer, Nakuru	69.9M	Feb 2017-Oct 2018
7	Proposed conference facility for CITAM, Kiserian, Kajiado North	CITAM	Outsource designs	107M	Jan 2017-Jan 2018
8	Proposed Erection and Completion of Flats and Admin Blocks at Giaki Police Station	Office of the Inspector General NPS	County Works Officer, Meru County	111M	April 2014-April 2017
9	Proposed residential Apartments at Garden Estate for S.K Kinuthia	Mrs. Salome Njoki Kinuthia	Jawkims Architects	72M	March 2015-June 2016
10	Proposed Apartments , Ruaka	G.K Njihia	Jawkims Architects	130M	Feb 2015-july 2016
11	Proposed Cornerstone Preparatory Academy Academy	Principal ,Cornerstone preparatory Academy	Ultimate Design Limited	126M	April 2016-Feb 2015
12	Proposed Hostelblock, administration block & gatehouse at St. pauls, Limuru	St. Pauls University	Ron Architecs	102M	Jan 2014-Sept 2015
13	Proposed construction of workshops for Machakos Technical Training Institute	Principal, Machakos Technical Training Collage	Habitech Consultants	108M	Oct 2011-June 2013
14	Proposed construction of Workshop for Kenya Teachers Technical Training Institute	The Principal, KTTC	Habitech Consultants	123M	Oct 2011-June 2013
	Proposed Construction of Tuition Complex phase 1, at Kirinyaga University (5 storey)	Kirinyaga University	County Works officer	309.9M	Jan 20217-Jan 2021.
15	Proposed Administration block at Meru University college of Science and Technology	Meru University	County Works Officer	110M	Jan 2012-Nov 2012

Project Name: Proposed Extension of Renal Unit for Kenyatta National Hospital.

Scope: Extension of Renal Unit

- Air conditioning works
- Plumbing and drainage works
- Medical gas pipeline system
- Electrical Installation Works
- Data, Voice, CCTV & Audio Visuals Works
- Mechanical Works, Plumbing and Drainage Works.

Client: The C. E. O. Kenyatta National Hospital

P.O Box 20723-00202, Nairobi

Consultant: Project Manager, K. N. H.

Tel: 0721286228

Email: robinmanguro@gmail.com

Contract Period: November 2017 to November 2019.

Status: 100% complete

Contract Value: Kshs. 166 Million



Project Name: Proposed Senior staff quarters at Mt. Kenya Academy

Description of Works: Works comprise Builders work and Civil works

Client: Mt. Kenya Academy, Nyeri

P.O Box 521-10100 Nairobi

Consultants: Jawkims Architects

P.O Box 60300-00200 Nairobi

+254 720239782

Contract Period: June 2019 – Feb 2020

Location: Nyeri

Status: 100% complete

Contract Value Kshs.13 Million



Project Name: Proposed additional dormitories, dining hall and support facilities at Ilkeek Aare Primary School, Suswa, Narok County

Description of Works: Works comprise Builders work and Civil works

Client: Lions Club Thika

P.O Box 144 Thika

Consultants: Design Bureau

P.O Box 39925-00623 Nairobi

+254 722613117

Contract Period: Sept 2017-Sept 2018

Location: Suswa

Status: 100% complete

Contract Value Kshs.53 Million



Project Name: Proposed Commercial development of Shopping Complex at South B

Description of Works: Works comprise Builders work and Civil works

Client: CYKA Holdings

P.O Box 18047-00500 Nairobi

Consultants: Archscan Associates Ltd.

P.O Box 10958-00100 GPO

+254 202728507

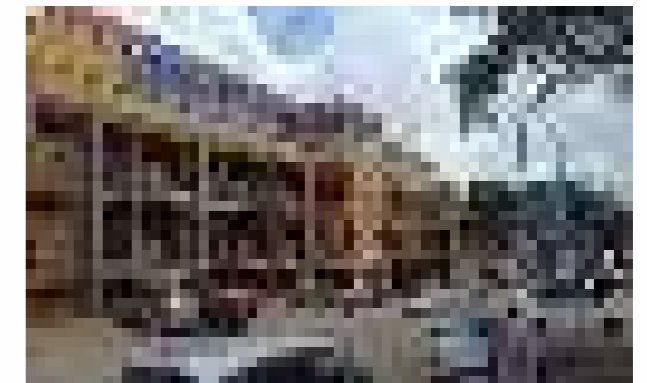
Project Eng: Sandbars Consulting Engineers

Contract Period: October 2016 - July 2018

Location: South B

Status: 100% complete

Contract Value Kshs.67 Million



Project Name: Proposed development of Parish Hall, Tassia

Description of Works: Works comprise Builders work and Civil works

Client: Tassia Catholic Church

P.O Box 60827-00200 Nairobi

Consultants: Strasa Architects

Box 56858-00200, Tel: +254 722 771387

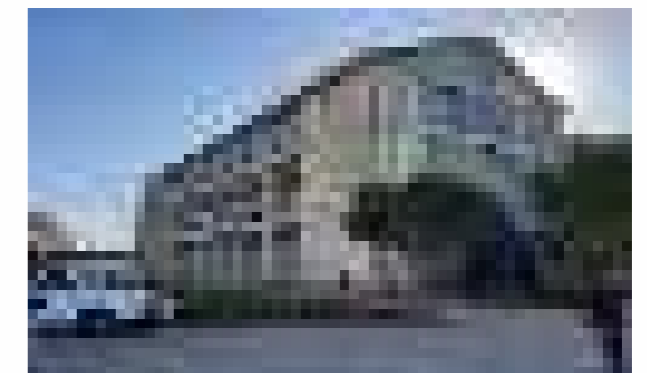
Project Eng: Naconsult Engineers

Contract Period: October 2017- July 2018

Location: Tassia

Status: 100% complete

Contract Value Kshs.75 Million



Project Name: Proposed Construction of Residential hostels at Dairy Training Institute

Description of Works: Works comprise of 1 Storey Building consisting of Ensuits Hostels,

Client: Dairy Training Institute, Naivasha

P.O Box 12261-20100 Nakuru

Tel: 0722-851937

Consultants: County Works Nakuru

P.O Box 782-20100 Nakuru

Contract Period: March 2017 to March 2018

Location: Naivasha

Status: 100% complete

Contract Value Kshs. 69M



Project Name: Proposed Retreat Center at Camp Kadolta for C.I.T.A.M, Kiserian, Kajiado North

Description of Works: Works comprise of 1 Storey Building consisting of Restaurant, Conference Hall and 8No. Guest Houses, Swimming Pool, Drainage and External Works. Client: Christ Is the Answer Ministries (C.I.T.A.M) P.O Box -42254-00100 Nairobi

Consultants: Outsource Designs P.O Box 911-00502, Nairobi Tel: +254 726 354 035

Contract Period: Jan 2017 to Jan 2018

Location: Kajiado North

Status: 100% complete

Contract Value Kshs. 107M



Project Name: Proposed Admin Block and 12 No. Type E Flats at Giaki Police Station – Meru County

Description of Works: Works comprise 3 blocks each comprising 12 flats 12 No. 2bed flats, and a modern police administration block; Civil, electrical and mechanical works supporting the facilities

Client: The County Police Commandant (Meru) - Ministry of Interior and Coordination of National Government

Consultants: Meru County Works Officer Box 25 MERU; Mr. Kariuki, Tel 0720-496955

Contract Period: April 2014 to April 2017

Status: 100% Complete

Contract Value: Kshs. 111M



Project Name: Proposed Residential Apartment at Garden Estate for S.K Kinuthia

Scope: Works comprise 5 storey blocks with ground parking each floor having 6-2bed room; zero joint walling; Civil, Electrical and mechanical works supporting the facilities

Client: Kariuki Kinuthia and Salome Njoki P.O Box 663749-00619 Nairobi

Consultants: Jawkim Architects P.O Box 60300-00200Tel, +254 720239782

Project Eng: Watstrut Consulting Eng Box 612-00202 Nbi, Tel 020 2362731

Contract Period: March 2015 to June 2016

Scope: Builders Work and Civil works

Status: 100% complete

Contract Value: Kshs. 72 Million



Project Name: Proposed Residential Apartments at Ruaka.

Description of Works: Works comprise 6 storey block with basement parking each floor having 10-2bed room; zero joint walling; Civil, Electrical and mechanical works supporting the facilities

Client: G.K Njihia; P.O Box 60300-00200 Nairobi

Consultants: Jawkim Architects P.O Box 60300-00200, Tel: +254 20239782 Project Eng: Xcel Consulting Eng. Tel; 0723 275138

Contract Period: Feb 2015 to July 2016

Location: Ruaka

Status: 100% complete

Contract Value Kshs.130M



Project Name: Proposed Cornerstone Preparatory Academy on L.R No. Longonot/ Kijabe Block 1/17(Ereri) in Mai-Mahiu, Nakuru

Description of Works: Works comprising Adm block, Classrooms, Library, kitchen & dinning, Laboratories, Civil, Electrical and Mechanical works

Client: Cornerstone Preparatory Association, Box 155-20147,

Consultant: TMS Consulting Group; Qs. Muttariu, Tel. +254 722863901

Contract Period: Feb 2015 to April 2016

Status: 100% Complete

Contract Value: Kshs.126M



Project Name: Proposed Hostel Block, Gate house, Staff Houses and external works at St. Paul's University, Limuru.

Description of Works: 200 bed capacity hostel block, gate house, 3 bedrooms 10 No. staff houses and associated external works.

Client: The Vice Chancellor, St. Paul's University, Box Private Bag – 00217 Limuru; Tel: 020-2020505/10; Email: office@spu.ac.ke

Contact Person: Administration Manger Mr. Mururi Tel 0721-203074 P.O Box Private Bag -00217 Limuru

Contract Period: Feb 2014 to Sept 2015

Status: 100% complete

Contract Value Kshs. 102M



Mens' Hostel St.Pauls University

St.Paul's Staff Quarters



St.Paul's Entrance Gate

Civil Engineering Workshop at MTTI - GOK/ ADB Funded project

Project Name: Proposed Construction of Workshops for Machakos Technical Training Institute (GOK/ADB funded Project)

Scope: Builders, Civil, Electrical & Mechanical works

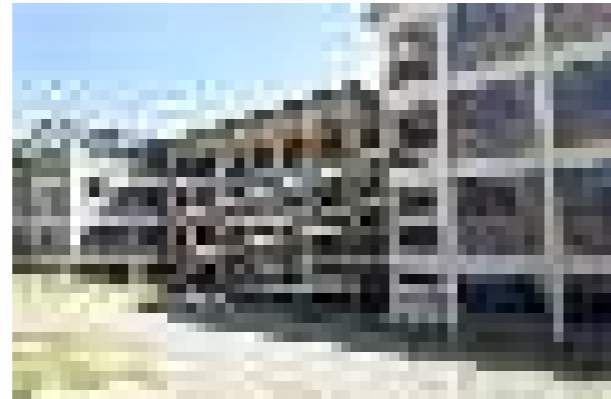
Client: The Principal; Machakos Technical Training Collage, Machakos, P.O Box 136- Machakos; Tel 044-21604; Email: info@machakosuniversity.ac.ke.

Architect: Habitech Consultants; Ngong road, Adams arcade, Kirichwa lane house No.9, P.O. Box 66495-00800 NBI; Tel: 0725-460461; Email: info@habitech.co.ke

Contract Period: Oct 2011 to June 2013

Status: 100% complete

Contract Value: Kshs 108M



Project Name: Proposed Construction of Workshops for Kenya Teachers Technical Training Institute (GOK/ADB funded Project)

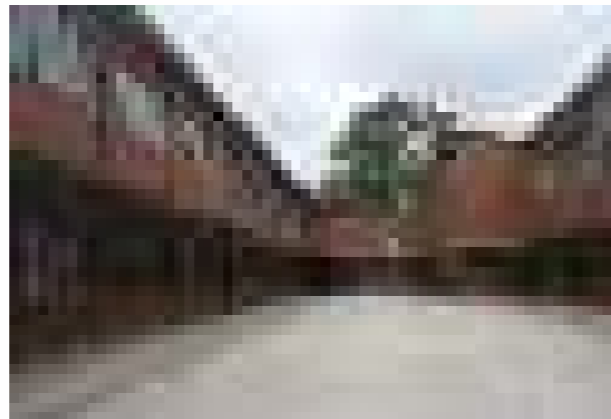
Scope: Builders, Civil, Electrical & Mechanical works
Client: The Principal; Kenya Technical Teachers Collage (KTTC), Gigiri near UNEP, P.O Box 44600-00100 NBI; Tel 020-7120212/3/4/5; Email: info@kttc.ac.ke,

Architect: Habitech Consultants; Ngong road, Adams arcade, Kirichwa lane house No.9, P.O. Box 66495-00800 NBI; Tel: 0725-460461; Email: info@habitech.co.ke

Contract Period: Oct 2011 to June 2013.

Status: 100% complete

Contract Value: Kshs 123M



Project Name: Proposed Administration Block At MERU UNIVERSITY COLLEGE of Science and Technology

Scope of work: Builders , Civil , Electrical & Mechanical works.

Client: Principal, Meru University.

Consultants: County Works Officer - Meru.

Contract period: Jan2012 - Nov 2012 (1 - Year)

Contract Value: Kshs. 110 Million

Status: 100% Complete .



Front Elevation

Rear Elevation

Project Name: AMREF Child in Need Village in Dagoreti – Nairobi

Scope: Administration Block. Classrooms, Kitchen & Dinning, Multipurpose Hall, Business Center & Civil works

Client: Administration Manager, Mr. Koome, AMREF – Kenya, Box 30125-00100 NBI; Wilson airport; Tel; 0721-991411 / 020-6994000/4203; email: david.koome@amref.org

Donor: Italian corporation.

Architect: Arch Clement; Tectura International; Tectura Studio, 2127 The Cresnet Parklands; Box 54634-00200 NBI; Tel: 0733-737048 / 0722-275106 / 020-3751680/5; Email: ckaiba@tectura-int.co.ke / info@tectura-int.co.ke

Contract Period: Nov 2009 to March 2011 (1 -Year)

Status: 100% Complete

Contract Value: Kshs. 105 Million



Project Name: Proposed Construction Electrical/Electronics Workshop at PC Kinyanjui Technical Training Institute.

Scope: Builders, Civil, Electrical & Mechanical works

Client: The Principal, PC Kinyanjui Technical Training Institute; Dagoreti – Kaberia, P.O. Box 21280-00505 NBI; Tel:020-2042737/8/0722-792513; Email: kinyanjuitechnical2008@gmail.com

Consultant: Eng P.N Maema; Ministry of Public Works Nairobi Province; P.O.Box 42267 NBI; Tel: 0712-554902
Contract Period: July 2011 to March 2012 (1 year)

Status: 100% Complete

Contract Value: Kshs. 38.1 Million



Project Name: Proposed Residential House for Mr. & Mrs. Kevin Njiraini

Client: Mr. & Mrs. Kevin Njiraini

Consultants; Arch Opon; Trioscape Architects; Beverly Court, Hurlingham, Off Argwin Kothek road, Box 66652-00800NBI; Tel 020 – 2730237/0722837010; Email: info@trioscapearchitects.com.

Contract Period: April 2011 to Jan 2012
Scope; Builder's Work

Status: 100% complete

Contract Value: Kshs. 15.4 Million



Project Name: Residential for Mr. Ben Ndungu

Client: Ben Ndungu – Partner KPMG Uganda

Architect: AKA Studio; Contact: Kola 020-243008 / 0728367188

Contract Period: August 2008 to May 2009

Scope: Full Contract

Status: 100% complete

Contract Value: Kshs. 18 Million



Projects Name: Proposed Construction of Tuition Complex phase 1 and associated works at Kirinyaga University

Client: Kirinyaga University, P O Box 143-10300 Kerugoya, Tel: 0701562092

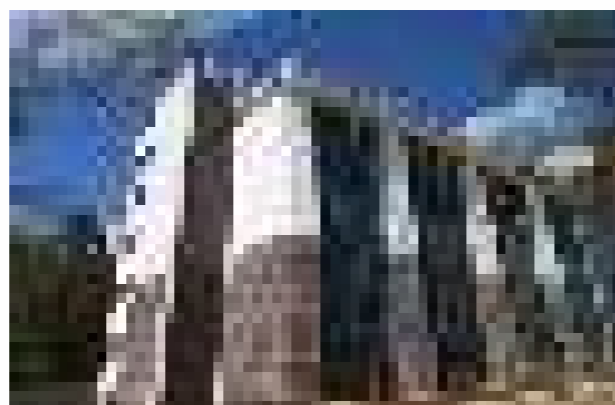
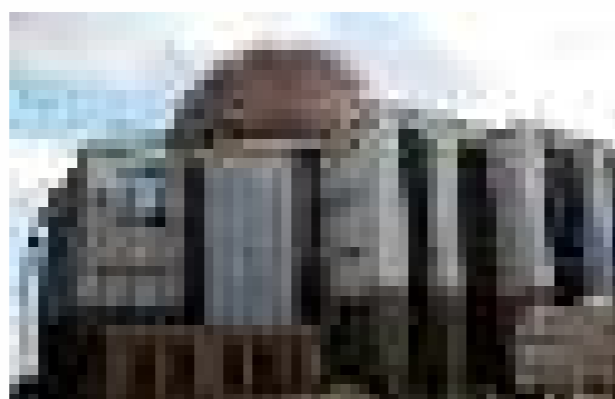
Consultant: Public Works Officer

Scope: Builders work, Electrical, Mechanical Services and Civil Works

Contract Period: January 2017 to January 2021

Status: Practically Complete

Contract value: Kshs. 350,000,000.00



ON-GOING PROJECTS

ITEM	NATURE OF WORKS	CLIENT	CONSULTANT	AMOUNT	%GE COMP.
1	Procurement of work for Rehabilitation of High-level pressed steel water tanks tower block	Kenyatta National Hospital	Eng. Binga	2,410,000	35%
2	Proposed construction of PGS Centre at Nakuru (7 storey) Phase (I) with two basements	PGS Enterprise Ltd	M/Idiom Arch, Planning	260,000,000	62%
3	Proposed Commercial building for Mt. Sinai Real Estate Company Ltd	Mt. Sinai Real Estate Ltd	Architects and Interior Designers	110,000,000	86%
4	Refurbishment of Oloitiptip Market and Service Road in Kilifi Municipality –Kilifi County	Department of Land, Energy, Housing, Physical, Planning & Urban Development	County Government of Kilifi	195,362,190	90%
5	Proposed St. Pauls University School of theology building at Limuru Campus	St. Paul's University	Ron Architects	73,772,917	90%
6	Proposed Hostel Block Phase III for Murang'a University of Technology	Murang'a University of Technology	County public works	199,103,623	62%

Projects Name: Proposed PGS Centre, Nakuru

Client: PGS Enterprises Ltd.

Consultant: Idiom Arch Planning

P.O Box 1443-00900 Kiambu

Tel: 0721334580

Scope: Builders work and Civil Works

Contract Period: July 2018–March 2021

Status: 60%

Contract value: Kshs. 160,000,000.00



Projects Name: Proposed Construction of Hostel Block Phase III for Murang'a University.
Client: Murang'a University of College, P O Box 75-10200 Murang'a, Tel: 0740593920
Consultant: Public Works Officer
Scope: Builders work and Civil Works
Contract Period: January 2017 to October 2021
Status: 70%
Contract value: Kshs199,103,623.00



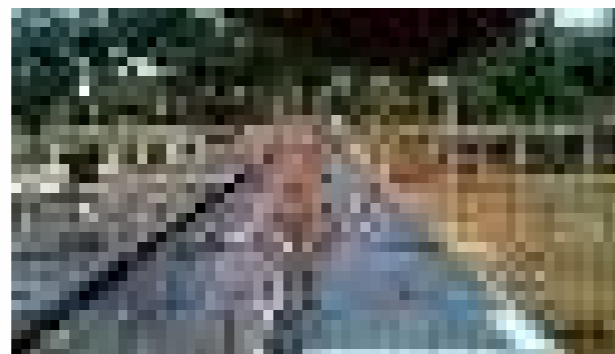
Projects Name: Refurbishment of Oloiptip Market and Service Road in Kilifi Municipality- Kilifi County
Client: Department of Land,Energy,Housing, Physical, Planning & Urban Development, P O Box 519- 80108,Kilifi.
Consultant: County government of Kilifi
Scope: Builders work and Civil Works
Contract Period: January 2017 to March 2021
Status: 95%
Contract value: Kshs. 95,362,190.00



Projects Name: Proposed St.Pauls University School of Theology building at Limuru campus
Client: St. Pauls University, Private Bag 00217, Limuru, Tel: +2549(0) 20-2020505/10
Consultant: Ron Architects
Scope: Builders work and Civil Works
Contract Period: February 2020 to February 2021
Status: 99%
Contract value: Kshs. 73,772,917.00



Projects Name: Proposed Construction of 100pax Hostel Block for Kenya School of Adventure and Leadership. (KESAL)
Client: KESAL, P O Box 4055-0056, Nairobi, Tel: 020-2372626
Consultant: Public Works Officer
Scope: Builders work and Civil Works
Contract Period: March 2020 to March 2022
Status: 65%
Contract value: Kshs. 198,109,780.00



PLANT & EQUIPMENT CAPABILITIES

Item	Description	Make	No.	Condition	Availability
1	11710 kg lorry	Isuzu	1	Good	Available
2	15000 kg Tata	Various	1	Good	Available
3	12400 kg Lorry	Isuzu	1	Good	Available
4	5400 kg Lorry	ISUZU	1	Good	Available
5	2300 kg Lorry	Mitsubishi	1	Good	Available
6	1400kg Pick up	Toyota	1	Good	Available
7	1105 kg Pick up	Toyota	1	Good	Available
8	1115kg Pick up	Toyota	1	Good	Available
9	Backhoe loader	JCB 3dx	1	Good	Available
10	Double drum roller	JCB	1	Good	Available
11	Concrete Mixers	Various	8	Good	Available
12	Petro run Hoisting Machines	Honda	2	Good	Available
13	compressor machine	Atlas corp	1	Good	Available
14	Welding machines	Honda	1	Good	Available
15	Water pumps	Honda	4	Good	Available
16	Power craft diesel		2	Good	Available
17	Concrete Pump	schwing Stetter	1	Good	Available

ANNUAL TURNOVER

The firm has a sound financial history with no default whatsoever in any financial transaction. Below is a table showing the total monetary value of construction work performed for each of the last five years.

Year	Total value in Kenya shillings
2015	220,793,788.00
2016	180,802,115.00
2017	309,522,999.00
2018	273,213,275.00
2019	307,758,280.00

Additionally, authority is hereby granted that you may contact our Banker for further information.

The contacts are: -

The Bank Manager

Equity Bank, Corporate Branch
P O Box 75104-00200 NAIROBI

The Bank Manager

Family Bank, Four Ways Towers
Corporate Branch
P O Box 74145-00200
NAIROBI

SUBCONTRACTING SECTION OF WORK

We have good working relationships with various companies that deal in specialized work like Air conditioning, CCTV and data, Generator installations, medical gas system, structural cabling works and the like. These are always on call to help us out in both technical advice and execution when needed.

Some of them are: -

ITEM	DESCRIPTION	SPECILIZATION	CONTACTS
1	Gastro Kenya Ltd	Generators Installation	0722816212
2	Spans Ventures Ltd	Data, Voice, CCTV & Audio-Visual Works	0732557840 0722993674
3	Elevation World Ltd	Passengers/ Bed Lift (Machine Room less) Supply and Installation	0721536874 0722899068
4	Jupiter Energy Solutions	Electrical Installation Works	0700567909

LIST OF SUPPLIERS

SUPPLIER	CONTACT PERSON	TELEPHONE	EMAIL ADDRESS
NILKANTH AGENCIES	PINTU	0789168037	nilkathagenciesltd@gmail.com
PRAYOSA AUTO	IMANCHU	0722640796	prayosagensupp@yahoo.com
ASL TRADING DIVISION CLASSIC	ELUID	0724017235	sales1@aslss.co.ke
IRONMONGERS	BERNARD	0725501730	apic@classicironmongers.co.ke
CROWN PAINTS PLC	RUTH	0721953185	alice.nzula@crownpaints.co.ke
DELON ELECTRICALS	RECHEAL	0706879961	delonenterprises@gmail.com
KENBRO INDUSTRIES	SURESH	0734688201	sales@kenbro.co.ke
KENYA BUILDERS	MUTUA	0722263951	info@kenyabuilders.com
TILE AND CARPET	JOAN	0722285640	joang@tilecentre.com
IDEAL CERAMIC	KEN	0722921145	ken@idealceramics.com
PLASCON KANSAI	ISSA	0780641301	Imulama@kansaiplascon.co.ke
CHALLENGE ENGINEERING	KANTI	0718000007	info@challenge.co.ke
ROYALE DISTRIBUTOR	BONNY	0720856876	royaledistributors04@gmail.com

STATUTORY DOCUMENTS

1. Certificate of incorporation
2. Certificate of registration with Value Added Tax
3. Pin Certificate
4. Tax Compliance Certificate
5. CR12
6. Current city council license for the year 2021
7. Certificate of NCA 2 for Building Works and Practicing License
8. Certificate of NCA 3 for Mechanical Works and practicing Licence
9. Certificate of NCA 3 for Road Works and practicing Licence
10. Litigation History
11. NSSF Compliance Certificate
12. NHIF Compliance Certificate
13. Certificate of registration of work place

LITIGATION

To the best of our knowledge, the company has never been involved in any contractual dispute or any matter requiring the intervention of an arbitrator or a court of law.

Classic Ironmongers Ltd
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with
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CONSTRUCTION LTD
on their various projects

Classic Ironmongers Ltd

SHOWROOM

83 Muthithi Road
Tel: 3753404/5/7/8/9. Fax: 3753410
Cell: 0728 975657 / 0770 931700
Email: sales@classironmongers.co.ke

APIC CENTRE

Tel: 3742597/3748577
Fax: 3472474
Cell: 0720 962095 / 0773 519191
Email: apic@classicironmongers.co.ke

KIBHARE CENTRE

Unit B3 Msa Rd
Opp. Nation Media
Cell: 0737 199664 / 0708 367304 / 0775 631211
Email: kibhare@classicironmongers.co.ke



P.O Box 17915-00500 Nairobi, Kenya

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Kenya: Eritrean Investors to Build Sh450m Luxury Hotel in Nairobi Suburb

Eritrean investors are injecting Sh450 million into the construction of a 15-floor four-star hotel in Kilimani, Nairobi.

Hearan Enterprises, which is represented by directors Isaya Desale Berhe and Winta Mengisteab, said it plans to develop the high-end facility on a 2.2-acre parcel of land bought two years ago at Sh390 million.

The planned luxury hotel is located opposite the Nigerian High Commission and is sandwiched between White Oak and Luxury Image apartments.

Plans prepared by Architect Getachew Bekele show a three-level underground section is reserved for a car park for 160 vehicles, with the first three floors set aside for all-day and night restaurants.

Its accommodation rooms on the fourth to 13th

floors will include three executive suites, 97 dubbed king, twin (22), club king (32) club twin (9) and 17 junior suites.

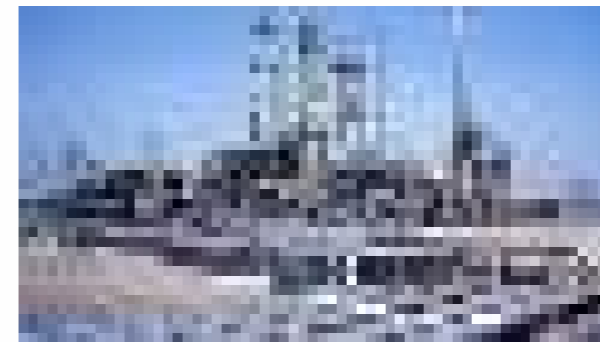
The development also has a ballroom and business Centre as well as offices, a gymnasium, a 25-metre pool, meeting and events room. A bar is located at its topmost floor together with a specialty restaurant giving guests a panoramic view of Nairobi.

According to an environmental impact assessment study, residents have welcomed the development saying it will boost business in the upmarket area and create jobs for hospitality industry professionals.

The area has attracted foreign investors led by the Chinese who are quickly turning it into a commercial suburb. Several hotels and premium apartment blocks have sprouted in the once purely residential area.



Long-stalled US \$30bn LNG project in Lindi Tanzania to be revived



The newly sworn-in Tanzania President Samia Suluhu Hassan is set to revive the long-stalled US \$30bn liquefied natural gas LNG project in Lindi Tanzania. The project was sidelined under the administration of the former President, the late John Pombe Magufuli with his administration instead prioritising the East Africa Crude Oil Pipeline to take oil from Uganda to the Tanzanian port of Tanga.

According to the President, she tried to work on the LNG project in Lindi Tanzania when she was sworn in as the vice president back in 2015 but discovered it was beyond her and stopped. Nevertheless, she has now directed the Ministry of Energy to accelerate talks with the project's stakeholders, Shell and Equinor.

LNG project in Lindi,

Tanzania LNG would involve gas from Shell-operated blocks 1 and 4 and Equinor's Block 2 being piped from deep-water subsea wells to two or three liquefaction trains at Lindi. These blocks house about 35 trillion cubic feet of recoverable gas, split about evenly between the two operators' assets.

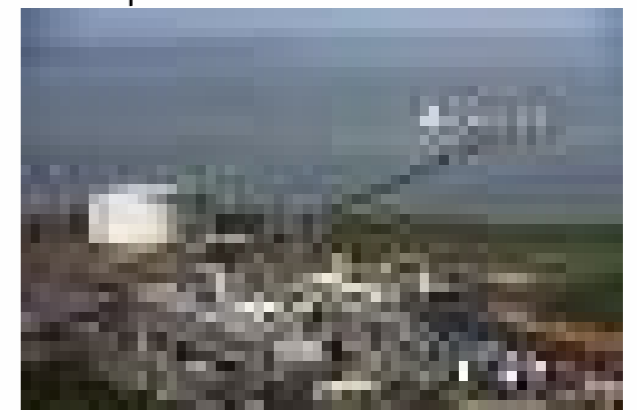
According to Shell, The offshore deepwater gas in the south of Tanzania is located in fields over 100km offshore, and some are in water that is up to 2,500m deep and 2,500m below seabed. Distance between the fields can also be



over 100km apart. Depth, distance and terrain means the Tanzania LNG project is at the cutting edge of deep sea exploration technology and provides a unique opportunity for developing unique competencies and capabilities in the local supply chain and within TPDC as the project tackles these technical obstacles.

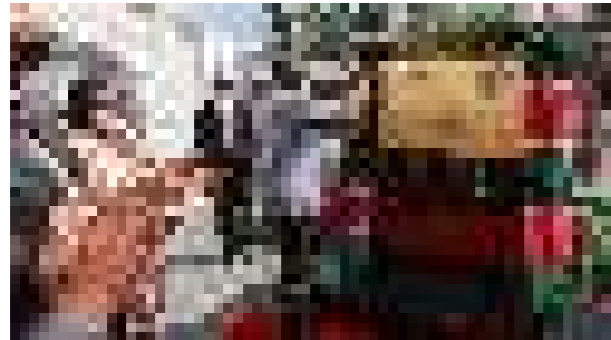
LNG is natural gas that has been cleaned and cooled in huge refrigeration units to a temperature of around -162oC. The LNG process converts the gas into liquid,

substantially reduces the volume of the gas more than 600 times. This is similar to shrinking a football to the size of a marble. This makes the gas easier to store and transport safely to markets around the world in purpose-built ships.



G47 Ugatuzi Towers Hits a Snag,

The recently launched G47 Ugatuzi Towers project has been temporarily halted after Kenya County Government Workers Union moved to court challenging the multi-billion shilling project.



His Excellency the President unveils a commemorative plaque during the groundbreaking ceremony of the G47 Ugatuzi Tower in Hurlingham area, Nairobi County. Photo/PSCU

The union has taken the matter to the High Court seeking to stop the board of trustees of the LapTrust and County Pension Fund (CPF) from committing funds to the project.

In the petition, the union through its Secretary-General Roba Duba said the project would expose pension members funds.

“Public interest favours conserving the pension of workers from wastage and investment that contravenes the constitution. It will be against the public interest if retirees cannot access their pension due to the illegal investments arising from Ugatuzi Towers,” Mr Duba said.



The project which is backed by the Council of Governors (CoG) may not materialize any time soon if the union is granted further injunctions against the project, prohibiting CPF from constructing G47 Ugatuzi Towers on a prime plot that belongs to county workers pension fund.

CoG had agreed with the LapTrust and CPF to erect the building on the plot of land located along Chaka Road.

Mr. Duba said the project cost running over Sh.5 billion which is a significant portion of workers’ pension, risks being wasted or misused in the project.

Furthermore, he said, LapTrust and CPF violated the principle of distinct and separate investment from the sponsor by agreeing to invest jointly.

It also emerged from the court documents that public participation was not adequately carried out for the mega-project.

“To date, members and other stakeholders do not know the specifics of the project apart from what is in the public domain,” said Duba.



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KenGen unveils elaborate renewable energy project pipeline

Kenya Electricity Generating Company PLC (KenGen) has unveiled an elaborate renewable energy project pipeline focused on supporting the Government's economic growth agenda.

The company's focus in the next 12 months, according to the Managing Director & CEO, Mrs. Rebecca Miano, is to deliver the Olkaria 1 Unit 6 geothermal power plant which will add 83.3MW to the national grid. "KenGen is also continuing with its geothermal exploration program in Olkaria. To date, we have drilled more than 310 wells to support our geothermal-led strategy," she added.

In addition, Mrs. Miano said, the procurement of the redevelopment of Olkaria 1 power plant which seeks to increase the plant's installed capacity from the current 45MW to 50MW, and also extend its life by 25 years, was in the final stages.

Recently, KenGen shortlisted four firms for a Public Private Partnership (PPP) to implement Olkaria VI plant which is set to add 140MW to the national grid.

Other projects under different stages of implementation include the redevelopment of Gogo Power Plant in Migori County which is aimed at increasing the current installed capacity from 2MW to 10MW, raising Masinga Dam Spillway by an additional 1.5 metres to increase its storage and power generation capacity, a feasibility study to determine the potential of Wind Power in Marsabit and the utilization of natural gas in order to increase baseload capacity, supplement geothermal energy and reduce the cost of power associated with diesel generation.

The organization is also in discussion with the Nairobi Metropolitan Services (NMS) to evaluate the feasibility of installing a Municipal

Waste to Energy Power Plant whose overall objective is to clean up the environment while generating power for the country's national development.

Speaking during the company's inaugural Energy Café, Managing Director & CEO, Mrs. Rebecca Miano, said the move would enhance KenGen's energy portfolio and spur manufacturing, enhance food security and nutrition, universal health coverage and affordable housing across the country. "Our capacity addition program remains aligned to the Government's Big 4 Agenda, the Vision 2030 development blueprint and medium-term development plans. This is critical in supporting the Government's plan to provide universal access to electricity."

The MD also highlighted the company's diversification agenda, saying KenGen is focusing on non-energy generation revenue sources including drilling, consultancy, operations and maintenance services and training by leveraging on its resources, mainly equipment and technical skills.

She added that to ensure business sustainability, the company was keen on giving employees an opportunity to innovate and pursue business improvement initiatives. The MD said: "Agility and resilience are the cornerstone of business sustainability. In order to remain agile and resilient, we recognize the innovative minds of our staff and give them the support and empowerment they deserve to be creative."

The company's Annual Global Innovation Seminar, augmented by other internal forums like Communities of Practice & Innovation, gives the staff the opportunity to innovate and pursue business improvement initiatives. A number of innovative programmes and projects cutting across process improvements, manufacturing, and service provision to other players in the energy sector are in various stages of implementation. "It is through this commitment to innovation and bold steps to pursue new horizons that we have seen our Company enter new markets in the region," she added.



Making a fortune in real estate development is more than standard procedures



Real estate is a growing industry in East Africa, owing to the fact that demand and supply push and pull of decent housing in urban areas is changing with the dynamics of population, economic development and investor projects. Most entrepreneurs have had a better analysis of their projects from market research and trends. However, it is evident that a good number of investors never get to visualize a full cycle of an infrastructure project and one minor consideration that is well known by professional in construction may land the whole project in turmoil. This has been the case in some real estate development project. Only a full cycle visualization will give a secure way to seal minor loopholes to threats of a real estate project.

Two rivers mall in Ruaka, Kiambu County Almost everyone's wish is to have a decent housing, a decent home or both. For investors in the real estate industry, they target to construct sustainable standard housing that meet the needs of the target market and considers the safety of anyone who will dwell in or use the housing. According to the National Housing Corporation, Kenya has a deficit of 2 million

households which annually grows by 200,000. The Ministry of Housing estimates the supply of households at 50,000 units per year which is far much lower than the demand and deficit. This is why housing infrastructure is key and should focus on sustainable economically to benefit investors and tenants. In this piece, we are going to focus in three key factors that individuals and company must factor in fully while planning to implement an infrastructure project for real estate. Some of these factors never get considered by local investors in a full cycle because they may not be well visualized in the initial planning for building and construction. Sustainability of future business prospects According to the Forbes Real Estate Council, addition of transportation system and increasing of rent charges are two key factors that indicate that development is improving in an area. These two factors means people are moving into an area at a high rate, hence creating a demand and supply tension which result into more infrastructure projects to cover for housing, shopping centers and malls and social amenities.

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Despite all these luring factors that attract many investors into initiating infrastructural development projects in an area, but in some instances, even after doing a proper market research, the vision of sustainability to a future business might be diverted by critical dynamic factors that may not show up anywhere at the initial stages. According to a report by Credit Suisse, a Switzerland financial advisory company that was released in the last quarter of 2017, one out of four shopping malls in America would not exist in the next five years because of the crazy growth of digital sales. The report highlights that the digital sales of apparels will grow by 17% by 2030 and this means closures of more shops in malls. Credit Suisse approximated that 8,640 stores would be closed in 2017 due to the new niche in digital sales and shopping that was growing day by day. This might be a similar case in East African countries, not necessarily this year but probably by 2025, owing to the growth of digital marketing, online sales and freelance businesses. This is also worsened by unstable market and economic times that the region is currently facing, especially in the rise of commodity prices, prolonged drought and political environment, mostly affected by the prolonged electioneering period in Kenya. The sustainability of business in any infrastructural development beyond ordinary factors must be focused on to analyze full potential of an infrastructure business.

Maintenance policy

Any real estate property needs proper maintenance policy to ensure that it maintains its standard and value. Most people have witnessed houses, offices, apartments and residential estates with poor drainage, leaking roofs, blocked sewerage lines and dry taps. Maintenance policy applies to roads and bridges in a real estate construction area. With time, these factor diminish the value of a property and lead to tenants moving out of the houses or apartments. Some real estate investors are then forced to lie to tenants on the status of the house or office, but it is realistic that no one is always ready to spend money on something that does not give them value. This is the case where you find unoccupied apartments, just because of some failures that would have been avoided if a maintenance policy would be in existence and effective.

Projected physical, environmental manmade effects to properties 2016 and 2017 (except the first quarter of the years) witnessed heavy rains that turned most of the admired flats along Nairobi highways into swimming pools. Residents of some of these houses, especially those living on the ground floors lost almost all properties in their houses. Almost all residents of such apartment who had no luck but incur unplanned budget in servicing, reselling and seeking insurance compensations after their cars were soaked in rain waters that flooded their parking areas.



NCA1

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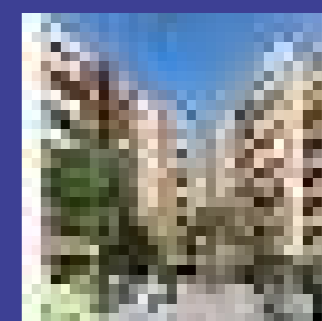
WE ARE PROUD TO BE ASSOCIATED WITH HOUSING IDEAS SOLUTIONS LTD [ARCHITECTS] IN THEIR THAKKAR OFFICE BLOCK ,WESTLANDS PROJECT.



Thakkar Office Block



Adams Mosque



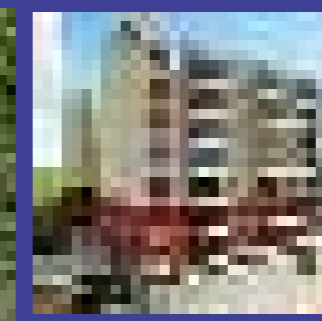
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Embu Hotel



Ruaka Apartments



Ojijo Apartments



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There are two sides of the coin in weighing this occurrences. It is obvious that one of the initial planners, architects, surveyors and contractors ignored major procedures of construction such as surveying and architecture. There are local governing authorities that must authorize the construction of any building in the area within their mandate. If a building is illegally constructed after breaching a standard regulation, it means corruption has taken its way, but when tenants move out of an apartment because of frequent and risky flooding, the owner of the property has all the losses to take. Woo to the investor if a good number of tenants leave when he or she had solely banked on the rent from them to pay a loan he took to construct the same house. This is where insurance would help, but mostly if standard procedures during the surveying and construction were followed. The best standard beyond the ordinary procedures here is to avoid any irregularity in real estate development because it might negatively affect an investment in the long run.

Fake building and construction professionals
This is one of the major challenges that urban developments are facing. Most of the storey buildings in residential areas, especially in the Eastland area of Nairobi have been collapsing. Some findings from the authority were the architecture that designed a specific building together with giving architectural expertise in the construction in a fake professional and in Kenya's case is not registered with the Board of Registration of Architects and Quantity Surveyors (BORAQS). If an investor did not check the registration status of the architects, quantity surveyors together with relevant firms working for him or her, then it is a loss that the investor will carry for ruining his or her investment. Most times, working with fake professionals happens because of intention to evade high contract costs from professional individuals, when the projects have not be legally authorized by local authorities and when the land intended to host the infrastructural projects has not met legal requirements for the construction to go on.

There are rampant cases of this nature that affects investors in cities and largely affect local citizens across East African countries who have no idea on who is who and how who is who professionally. In case of unfortunate incidences like collapsing of houses that cause deaths like the ones we have recently witnessed in Huruma and Kariobangi areas of Nairobi, the investor together with all the

key players in the construction of the building will have the wrath of the law if at all any lapses from their roles caused the accident. As an investor, if you hired a fake professional to work for you as an architecture, then you may be the only constant man standing at the docks of courts together with your other partners who will be accomplices in the cases. This means more wasted resources to battle cases in court. If these factors would be considered in a full cycle beyond the standard procedures, then more loss to a flawed construction investment would not take place.

That aside, technical audits which are done by quantity surveyors are key in all the stages of construction. This is one solution that can help avoid any lapses in construction project that may lead to losses such as collapsing of story building, water percolating from underground and external infrastructural projects affecting a house or an apartment. The chairman of the Institute of Quality Surveyors in Kenya (IQSK) Andrew Wandere believes that technical audits are the buttons to successful infrastructural projects, saying quantity surveyors are not efficiently used in construction projects.

"In the recent times, only engineers are engaged in infrastructural projects. He/she designs, documents, does valuation, does final accounts and so on. As a result, there are no checks and balances in infrastructural development projects as there are in buildings. It is quantity surveyors who bring those balances.

"The audits should be over and above financial audits. We as surveyors propose that a small allowance be included in the contracts to cover the costs of technical audits as this would ease budgetary constraints." Wandere said.

The above mentioned illustrations are some of the major lapses that are never taken into full cycle considerations in construction investments. In government policies/guideline, economy demographics, interest rates and all other key factors that affect real estate investments, not viewing any of these factors in a full cycle will lead to losses that would have been easily avoided and unsustainable venture, hence killing a real estate entrepreneur.

Entrepreneurship is taking the next visualized risk, but taking it with sound, resound and informed mind is the risk that everyone must focus on, especially in real estate business.

Nms to Revamp 10 Nairobi City Estates.



Plan for the redevelopment of ten city estates is underway according to the Nairobi Metropolitan Services (NMS).

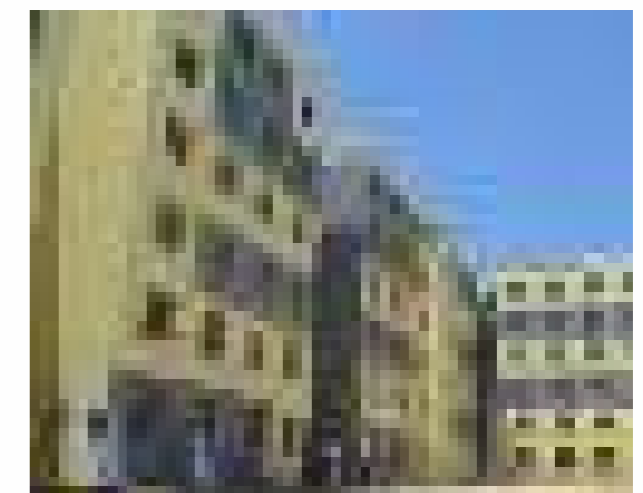
Last week, NMS published an Expression of Interest (EOI) to redevelop the estates which include Bahati, Maringo, Jericho, Lumumba, Bondeni, Ziwani, Embakasi, California, Kariobangi North, and Woodley.

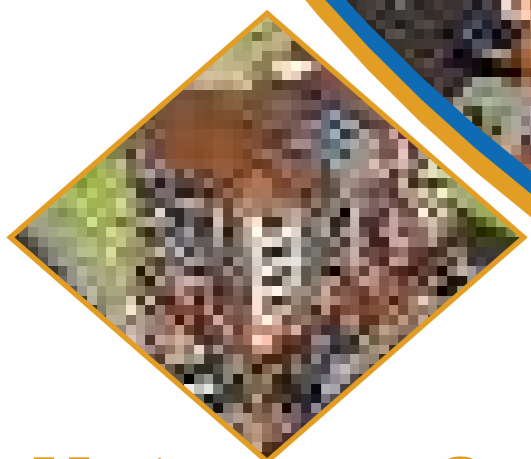
The EOI notice called for development partners in the banking industry, pension funds and schemes, real estate's developers and other investors to redevelop the properties in a joint venture with Nairobi County government.

A building in Eastlands, Nairobi NMS Deputy Director General Kang'ethe Thuku said NMS would be embarking on urban regeneration and redevelopment exercise using a phased approach in the 10 estates. "This is the second phase of the affordable housing delivery programme in Nairobi which aims at tackling urban decline, improving quality of the built environment, increasing housing stock, promoting optimal utilization of land and improving the quality of social-economic life of residents," said Thuku. The first phase of the regeneration project

involving seven Nairobi County government estates including Ngong Road Phases I and II, Uhuru Estate, New Ngara, Old Ngara, Suna Road, Pangani and Jeevanjee/Bachelor Quarters, is ongoing.

The Pangani and Jeevanjee projects which began last year are expected to unveil the first 160 housing units next month. NMS said firms will be shortlisted for participation after demonstrating technical and financial capabilities in response to the requirements for the project contained in the request for proposal (RFP) document

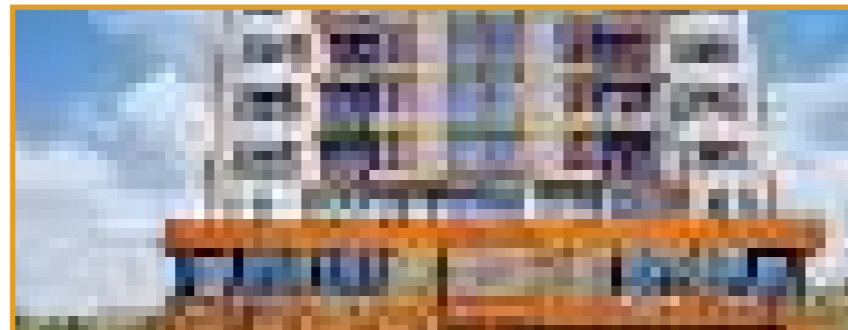




Metrocom Consultants

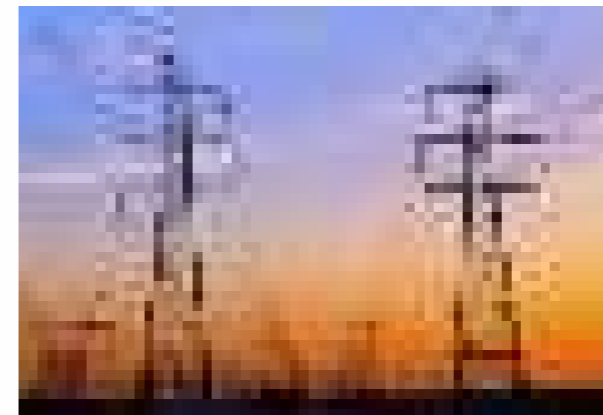
Engineers Ltd

Norfolk Towers Block G 2nd Floor ,
Kijabe Street Nairobi
Tel: 020 357 2724 , 020 311329
Cell:0722737932
Email:zmmacharia66@gmail.com
email: metrocom@tms-cgroup.com
Website: www.tms.cgroup.com



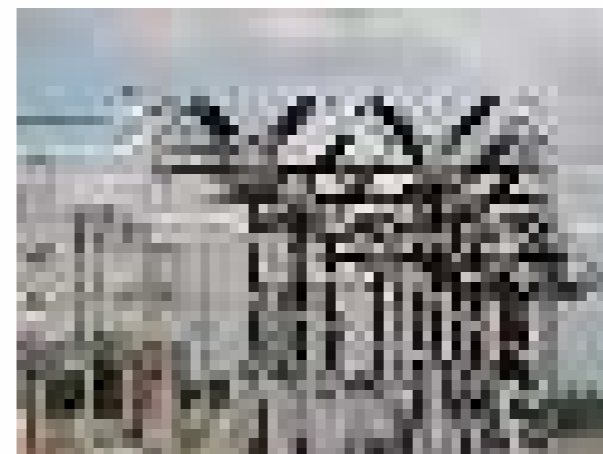
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OPEC Fund to provide US \$20m loan to increase energy access in Rwanda



The OPEC Fund for International Development has signed a US \$20m public sector loan agreement with Rwanda to increase access to energy for around 270,000 people in the Muhanga, Kamonyi and Gakenke districts. Despite significant poverty reduction rates over the past decade, rural poverty in Rwanda is pervasive, owing to low access to public services, particularly power. The loan is expected to help nearly double the electrification rates in the three target districts. The electricity access rate in rural areas is about 15%, compared with about 76% in urban areas. The government of Rwanda's National Strategy for Transformation aims to make Rwanda among the first countries in Africa to achieve universal electrification.

Rwanda Universal Energy Access project
The OPEC Fund's loan contributes to the



Rwanda Universal Energy Access project and is funded in partnership with the Saudi Fund for Development (SFD). Specific works include the installation of 520 transformers and 1,600 km of power lines. The project is part of a wider international multi-lender initiative in support of the government's strategy. The initiative has so far secured about US \$670m in financing from the World Bank, the French Development Agency AFD (Agence Française de Développement), the African Development Bank (AfDB) and the European Investment Bank (EIB), as well as from the SFD and the OPEC Fund.

OPEC Fund Director-General Dr. Abdulhamid Alkhalifa said that the OPEC Fund supports Rwanda's aim to become one of the first sub-Saharan Africa countries to achieve universal energy access, which is at the heart of its National Strategy for Transformation. "The present project, when completed, will help stimulate economic growth and reduce poverty by boosting livelihoods and creating jobs, as well as improving the delivery of social services," he added.

The OPEC Fund has supported development in Rwanda since 1976. During this time, more than US \$200m in public sector finance (including the present loan) has been committed, primarily for transportation, water and sanitation, and energy, as well as to support businesses in sectors most affected by COVID-19. Private sector lending of US \$25m has also been extended in support of small- and medium-sized enterprises in Rwanda.



Regional Off-Grid Electricity Access Project to receive US\$ 22.5M subsidy



dedicated effort for the Sahel countries. 50 percent of the population in the above-mentioned regions does not have access to electricity, and less than 3 percent of the population uses such innovative technologies (stand-alone solar products).

Expectations for the project
It is anticipated that the project will contribute to human

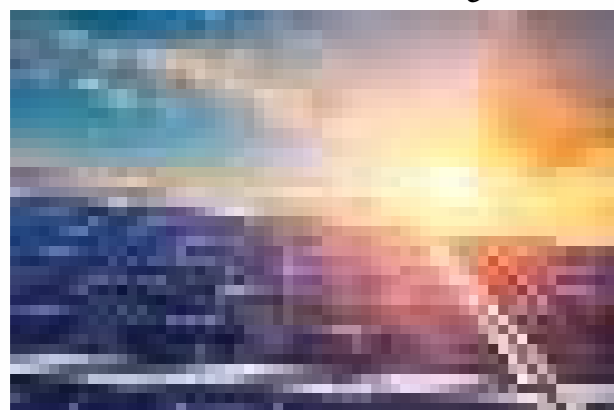
Regional Off-Grid Electricity Access Project (ROGEP) is set to receive US\$ 22.5M in the form of grants from the International Development Association (IDA), a member of the World Bank Group, and the Clean Technology Fund (CTF), one of the two multi-donor trust funds within the wider Climate Investment Funds (CIFs).

The funds, which complement the US\$ 150m of IDA and US\$ 67.2m of CTF approved by the World Bank's Board of Executive Directors in April 2019, will support the development of the market for stand-alone solar products in Western and Central Africa, including a

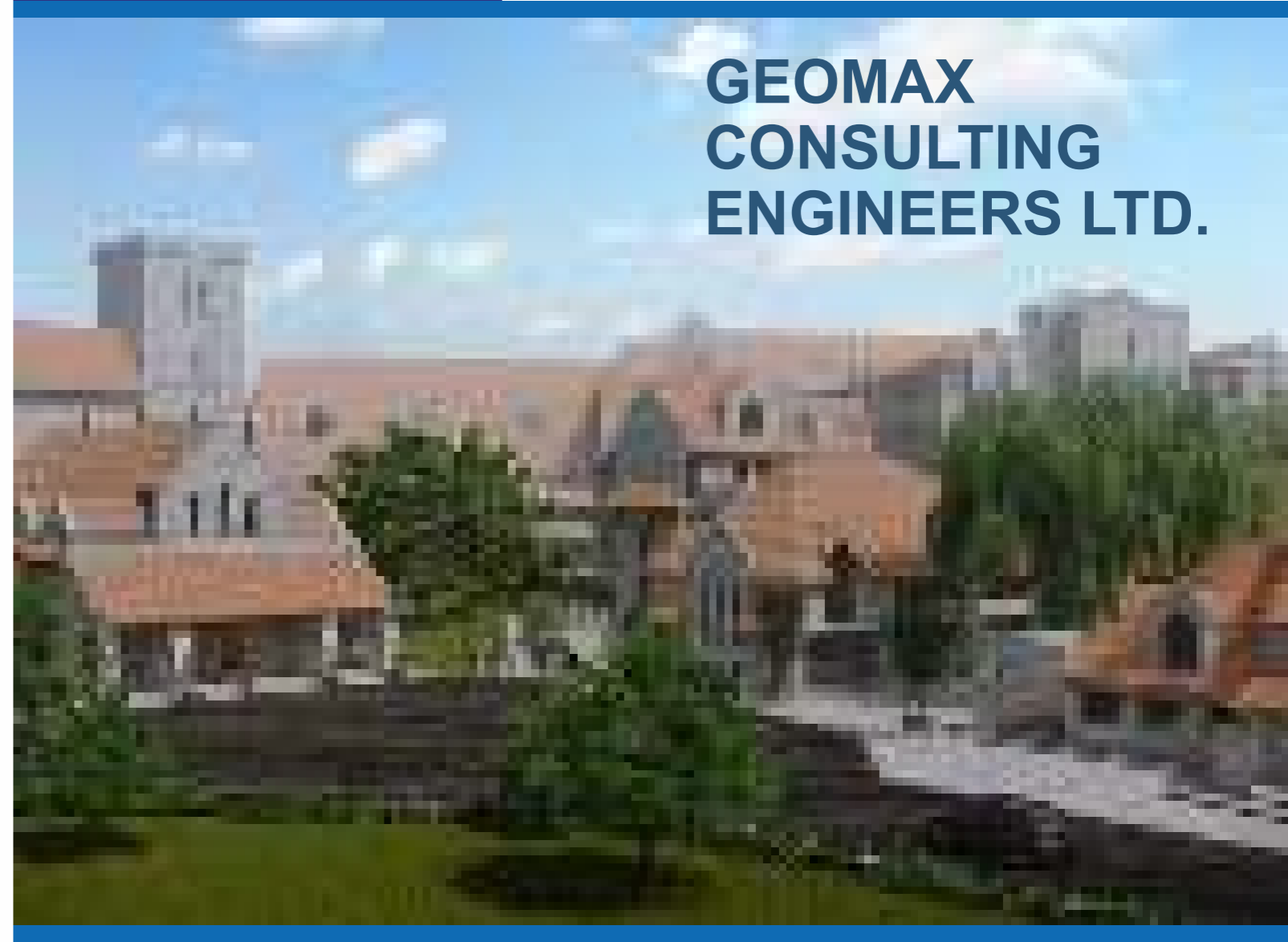
capital development by electrifying public health centers and schools, which are needed to improve health and education outcomes.

It will also support job creation, for instance in the farming communities which can use solar water pumps for irrigation, solar milling equipment for product transformation, and solar refrigerators to bring products to market. Furthermore, the project will support small and innovative business enterprises through solar home systems and will make an impact on economic recovery following the COVID-19 pandemic.

The Project's geographic scope covers 19 countries in the Western and Central Africa regions, 15 of which are members of the Economic Community of West African States (ECOWAS) i.e (Benin, Burkina Faso, Cabo Verde, Côte d'Ivoire, Gambia, Ghana, Guinea, Guinea-Bissau, Liberia, Mali, Niger, Nigeria, Senegal, Sierra Leone, and Togo), as well as Cameroon, the Central African Republic, Chad, and Mauritania.





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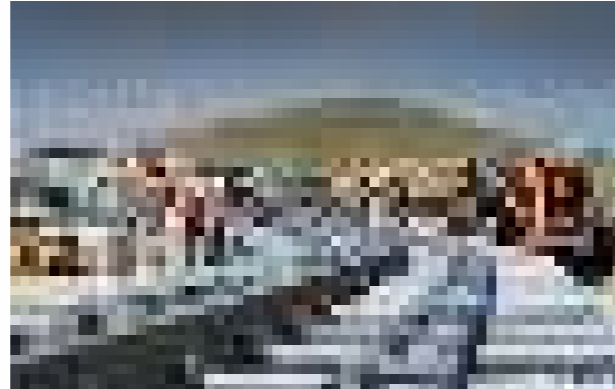
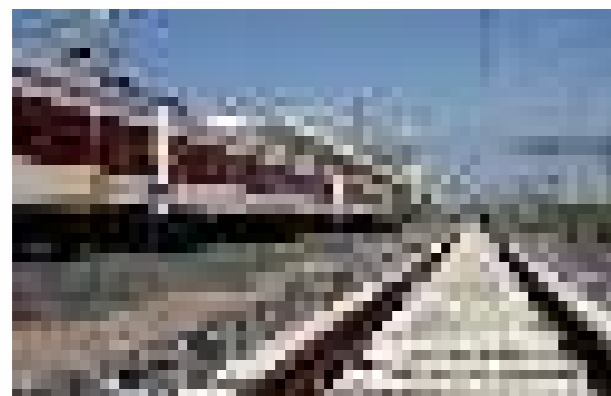
Tanzania approves US \$160.5m for construction of



The government of Tanzania has approved US \$160.5m as a starting budget for the construction of the 341km Isaka-Mwanza Standard Gauge Railway (SGR) line.

During the approval of the funds at the Dar es Salaam State House, President Samia Suluhu Hassan urged Tanzania Railway Corporation (TRC) Managing Director, Masanja Kadogosa to properly supervise the implementation of the ongoing railway projects in the country. He also asked the corporation to get ready to begin the construction of the SGR section from Makutupora-Tabora, Tabora- Isaka- Kaliua- Mpanda and Kalema.

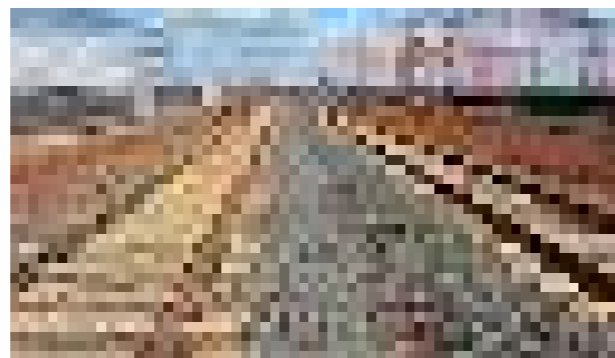
“The government is fully committed to ensure timely construction of the Central Railway line that will connect the Port of Dar es Salam with Lake and Western Zone regions; as well as neighbouring countries of Burundi, Rwanda, Uganda and Democratic Republic of Congo (DRC),” said the president.



She also expressed her satisfaction at the Corporation’s performance of implementing the ongoing railway projects. At the same time she commended TRC’s management and staff for a good job so far.

Phase 1 and Phase 2 of Tanzania SGR TRC boss Masanja Kadogosa thanked the president for approving the funds for the Isaka-Mwanza SGR line. He mentioned that the Corporation has recorded good progress with regards to the SGR project with two of the sections; from Dar es Salaam to Morogoro, and Morogoro-Makutupora already constructed. Eng Kadogosa revealed that, as of last month, construction of the 300km from Dar es Salaam to Morogoro was 91% complete, whereas the 422km section from Morogoro to Makutupora was 60.02% complete.

According to him, the first phase of the SGR line from Dar es Salaam to Morogoro is set to start operations by the end of August this year.



US\$ 1M development loan for Mpanda hydropower project in Burundi

A US\$ 1M development loan has been signed for the Mpanda hydropower project in Burundi. The loan is intended to fund the development activities of the said project ahead of its financial closing, which is expected in 2022.

The loan will be provided by Finergreen, a financial advisor based in Paris and dedicated to renewable energy development particularly solar, wind, hydro, and biomass as per an agreement signed with Mpanda Hydro Power, the developer of the Mpanda hydropower project.

To gather the necessary funds for the project, Mpanda Hydro Power is working closely with the UK government-funded Renewable Energy Performance Platform (REPP), managed by Camco Clean Energy.

The provisional budget for the Mpanda hydropower project is US\$ 43.5M. The development of the project The Mpanda hydropower project began back in 2011 with the construction of a 35m high dam in Bubanza province, with a reservoir covering more than 100ha. However, the work stopped four years later in 2015 due to budgetary

constraints, with an estimated 20% completion rate.

Fast forward to 2019, a Memorandum of Understanding (MoU) was signed between the Ministry in charge of Energy in the East African country and Hydroneo East Africa. This led to the birth of the PPP Company Mpanda Hydro Power.

As per the MoU, Hydroneo would resize the project, mitigate its environmental impact, and resume the development and construction of the power plant. The company carried out studies to limit the environmental impact of the project, in particular on the adjacent protected Park of Kibira that is home to thousands of diverse species of fauna and flora. Following deeper analysis, the developer settled on a run-of-river plant that greatly reduces the flooded area to less than 5ha.

The Public-Private Partnership (PPP) contract between the government of the East African country and Hydroneo, as well as a Power Purchase Agreement (PPA) between Mpanda Hydro Power and the Régie de production et distribution d’eau et d’électricité (Regideso), were finalized and executed in May this year.



US\$ 12.9bn investment slated for rail expansion projects in Ghana



The Nana Akufo-Addo led government intends to invest US\$ 12.9bn in a rail network expansion projects in Ghana in a bid to make this mode of transport one of the fundamental channels of mobility across the West African country.

This plan whose financing will come largely from private investors is linked to a national rail transport strategy connected with 13 other projects that have been born within the framework of the United Nations Sustainable Development Goals (SDGs) and the African Union's Agenda 2063.

The key projects that will benefit from this investment According to the roadmap drawn up, approximately US\$ 5.8bn of this investment will go towards a project to develop a light rail network (LRT) comprising seven corridors in



Kumasi, the capital city of the Ashanti Region. This city is reportedly faced with challenges related to mobility owing to fairly rapid urbanization and exponential population growth. The LRT project is scheduled to start in 2025. It will be carried out on the basis of a public-private partnership (PPP) financed 70% by debt and 30% by equity.

The plan also concerns the construction of a 672 km railway line (the Central Spine) which will run from the center of Kumasi to Paga, near the border with Burkina Faso. This vast project, the cost of which is estimated at US\$ 3.3bn, incorporates several axes of the railway interconnection project between Ghana and Burkina Faso.

The start of work on the Central Spine project is scheduled for 2023 and it's commissioning six years later.

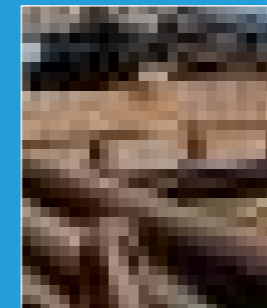
The projects linked to the UN SDGs
The projects linked to the UN SDGs are still at an early stage. Among these projects is the Trans-Ecowas project, which will interconnect 12 West African countries members of the Economic Community of West African States (ECOWAS) via rail.

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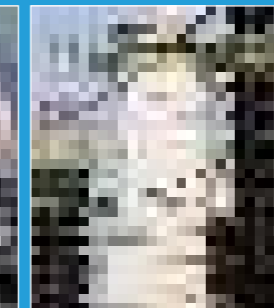
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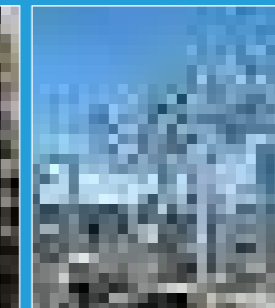
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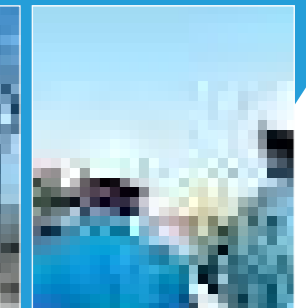
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There are two directors, Eng. G.N. Olando – Managing Director in charge of all Electrical Services and general management of the firm. Eng. Calleb Olali is Director in-charge of mechanical services. Other core staff members include Assistant Electrical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



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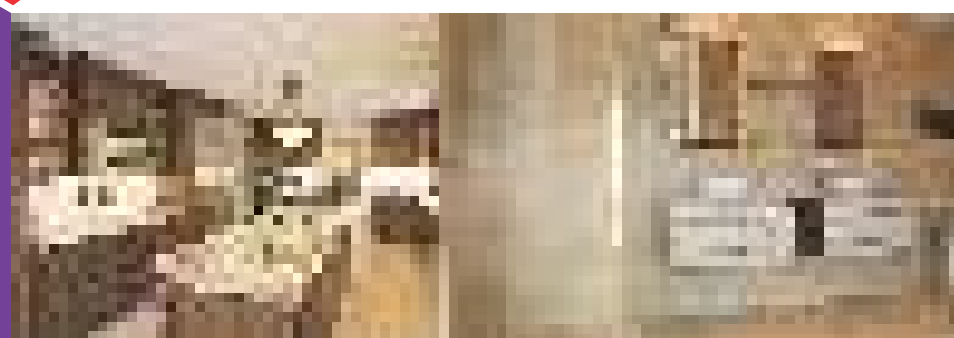
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