



CALIKEN NETWORKS

East Africa

Infrastructure Solutions Provider

COMPANY PROFILE

- POWER SOLUTIONS
- FIBER & NETWORK SOLUTIONS
- WIRELESS NETWORKS
- SPECIAL PROJECTS

KENYA | UGANDA | SOUTH SUDAN

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info@caliken.com



Infrastructure Solutions Provider

COMPANY OVERVIEW

Caliken Networks (E.A.) Limited is a Power and Telecommunications infrastructure construction service provider. It was founded in the year 2015 with the aim of servicing major telecom carriers and other service providers with their telecommunication infrastructure but later diversified to energy infrastructure services to meet the demand of our clients.

In power infrastructure services, our range of solutions include power solutions, collocation and site acquisition, cooling, fire detection and suppression, power protection and monitoring, security and access control. In telecommunication, our fiber and wireless solutions are competitively positioned to deliver connectivity solutions for long-haul, metro and FTTp/x.

Caliken equally keeps abreast with new trends to remain competitive in the industry and has a sister entity **IoT Caliken Limited** whose sole venture is to pursue the new frontier of technology in **Artificial Intelligence** and **Internet of Things (IoT)**.

At Caliken we strive to offer our clients a one-stop shop for infrastructure solutions to bring out their biggest ideas and possibilities into reality.



VISION STATEMENT

- Sustainable Power & Telecommunications Infrastructure.



MISSION STATEMENT

- Provide businesses, organizations and governments with innovative, transformative and globally accepted solutions in their power and telecommunication infrastructure.



CORE VALUES

- **Integrity** Honesty, accountability and efficient use of our resources in the most knowledgeable way when dealing with our clients and customers.
- **Partnership** We work closely with community members, government officials and our customers to design and build solutions that meet their unique needs.
- **Foresight** Solutions are built with the future in mind, paving the way for new innovations in the way we live, work and stay safe.
- **Commitment** To deliver long-term value for our customers, communities and investors.

HEALTH, SAFETY AND ENVIRONMENT (HSE) CULTURE

Caliken promotes a positive safety culture where the entire organization equally shares a responsibility of putting safety first. The safety system is driven by the workplace and is constantly improved through open communication between management and the staff members that demonstrates safety is a priority over the work.

THEME	Management	Team Leaders	Organization
RISK CONTROL	Define Risk	Champion Risk Awareness	Be Conscious
COMMUNICATION	Effective Communication	Motivate The Team	Give Feedback
STANDARDS	Identify & Set Standards	Promote Compliance	Be Compliant
INVOLVEMENT	Stay Involved	Involve The Team	Get Involved

H S E

HEALTH

SAFETY

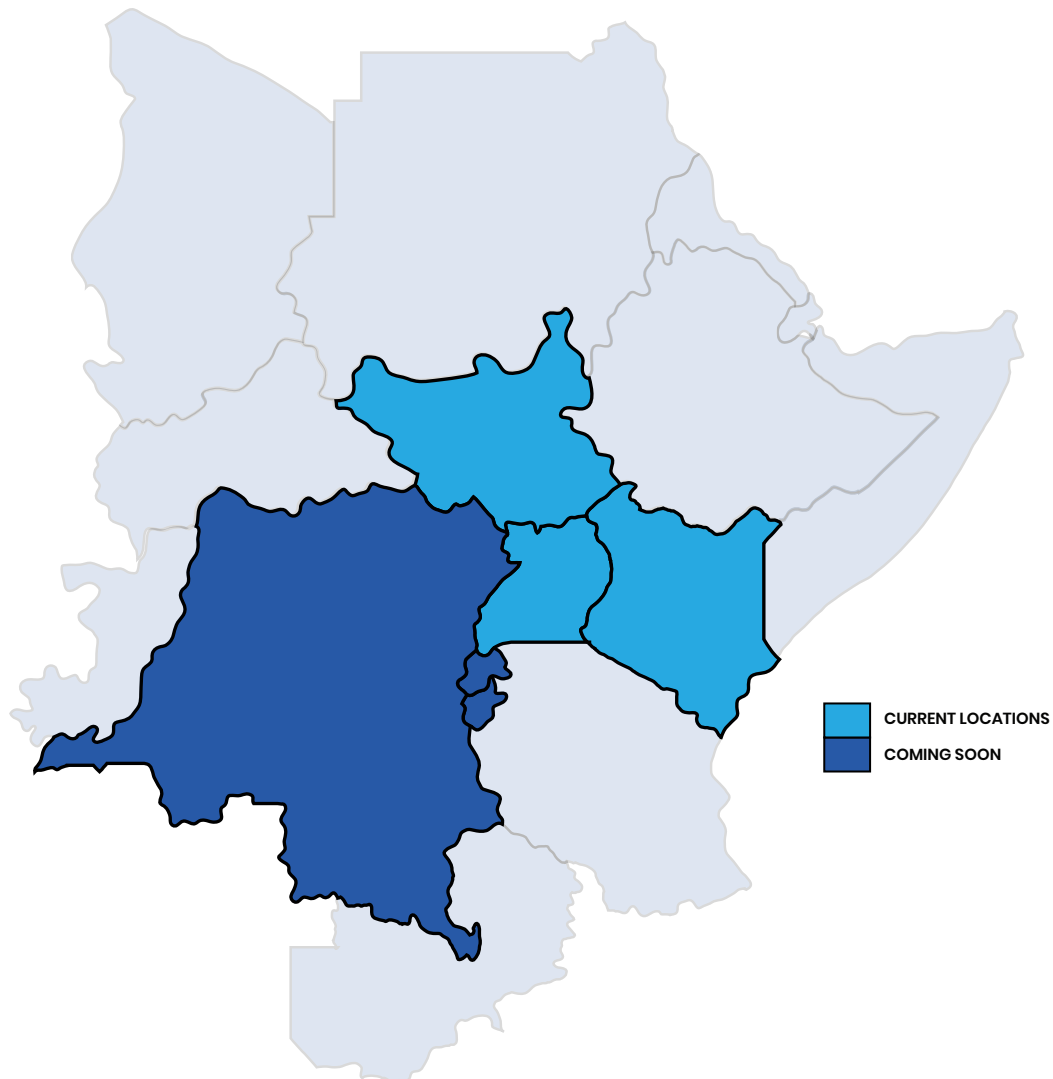
ENVIRONMENT



OUR PRESENCE



We are a one-stop shop for all your Fiber Optics, Wireless Networks & Power solutions with vast experience in supply, building and construction of telecommunication infrastructure. Our expertise and experience can assure our clients of quality, reliable and timely service at the most competitive rates.



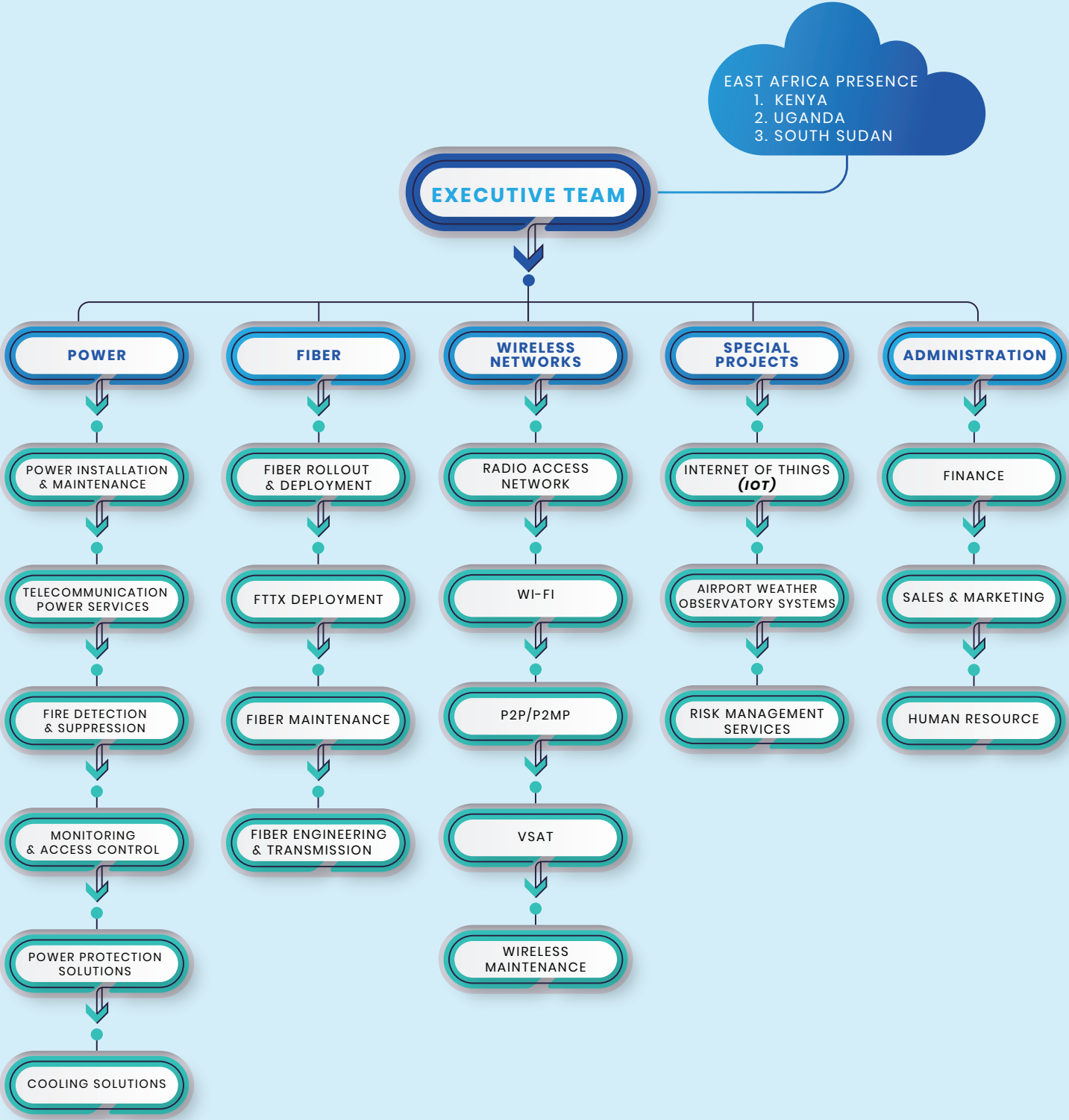
Caliken benefits from several strategic alliances by receiving very competitive pricing on most services, allowing the company to offer competitive pricing on its services to customers. We give personalized and individual attention to every task.

The company is headquartered in Nairobi, Kenya and have branches in major towns of Rift Valley and Western Kenya. Caliken is also registered in Kampala, Uganda and South Sudan with Rwanda, Burundi and Democratic Republic of Congo (DRC) coming up soon. Our expertise in the communication business and general construction practices allows us to offer complete and professional services available throughout the African Continent.

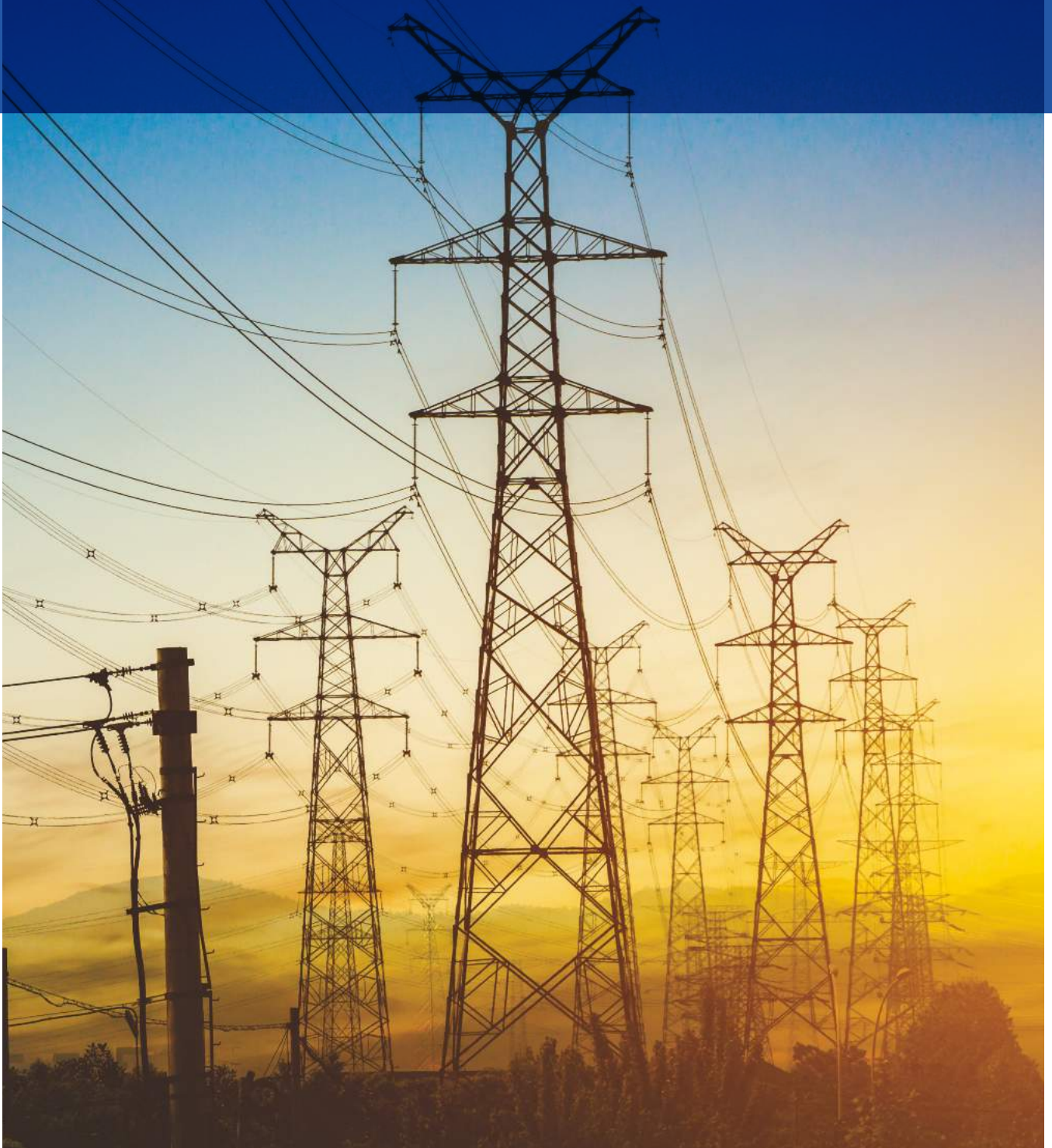
OUR SERVICES



We are a one-stop shop for all your Fiber Optics, Wireless Networks & Power solutions with vast experience in supply, building and construction of telecommunication infrastructure. Our expertise and experience can assure our clients of quality, reliable and timely service at the most competitive rates.



POWER **SOLUTIONS**



POWER SOLUTIONS

At Caliken, we will help you configure the best power solution for your specific application. With access to such a wide range of power products and services for both AC and DC applications, we offer customized turn-key solutions that simplify project execution and procurement with a single point of contact.

Think of us as an extension of your IT and facilities departments ready to help you solve any type of power problem, from pole to plug, or complete a new power project. Whether it is your switchgear, data center, cooling, a remote closet, a DC site, or a battery replacement, we are ready to help.

"We tailor preventative cost-efficient scheduled maintenance programs that meet International standards, and statutory requirements."

OUR SERVICES

1. POWER INSTALLATION & MAINTENANCE

Caliken offers full service on power installation and maintenance through its qualified and certified technician.

Services include and not limited to the following;

- » Service connection, which includes internal wiring, light, and power installation.
- » Installation of electrical power and lighting systems, smoke alarms, RCD's & switchboards
- » Feasibility studies, analysis, and investigation
- » Property Management – electrical maintenance and new installations
- » Electrical asset maintenance
- » Design of electrical systems
- » Installation and integration of Standby Generators
- » Electrical compliance, testing and certification.
- » 24/7 Maintenance and servicing

2. TELECOMMUNICATION SERVICES

While offering full services on network services (Fiber & wireless), Caliken, will also offers services on power solution to all your telecommunication needs, thus giving clients end to end solution.

Power Solution services include:

- » ON/OFF grid installation on base station including solar systems
- » Supply and installation of AC/DC power system, and integration to Genset.
- » Cooling of base station, with installation of air conditioning

- » Provide engineering and design on power.
- » Energy performance, and efficiency monitoring
- » 24/7 Maintenance and servicing

3. FIRE DETECTION & SUPPRESSION

Every second is valuable in fire protection. Traditional spot detectors often require significant time to detect a fire, as the smoke or heat must first reach the ceiling before sounding an alarm and triggering sprinklers. Caliken's advanced fire detection systems, ranging from high-tech air sampling systems to camera smoke detectors and video analytics, can detect a fire in very early stages, even if obstructed, and trigger suppression systems in the blink of an eye.

Caliken offers a complete selection of fire suppression solutions, from chemical agents and water mist to inert gases and CO².

4. FIRE DETECTION & SUPPRESSION

Although with an integrated security system that utilizes security cameras, intrusion detection, and access control, you can protect your business 24/7/365, where your busy schedule would not have allowed in the past. The integrated monitoring of your security devices can act both as a deterrent, but also help you track activity. Security monitoring offers you an extra level of support by acting as your eyes and ears when you're not available.

Our services on fire detection & suppression include:

- » Power systems online monitoring solutions.
- » Data Centre and Hub site Access
- » CCTV Solutions
- » Biometric Solutions
- » Site Inventory Solutions

5. COLLOCATION & SITE ACQUISITION

Caliken has experienced staff ready to provide either turnkey site acquisition services or more specialized services that cater to our customer's specific needs. Whether closing new licenses, negotiating small cell agreements with municipalities, our professionals are ready to serve you today.

Our services on collocation & site acquisition include:

- » Stand-Alone Solutions (Indoor & Outdoor Cabinets & Shelter Solutions)
- » Data Centers

6. POWER PROTECTION SOLUTIONS

The objective of a protection scheme is to keep the power system stable by isolating only the components that are under fault, whilst leaving as much of the network as possible still in operation. Thus, protection schemes must apply with very pragmatic and pessimistic approach to clearing system faults. The devices that are used to protect the power systems from faults are called protection devices.

For the purposes of networks, protection devices are commonly:

- » Voltage Stability and surge control
- » Current/Voltage protection solutions
- » Lightning protection solutions
- » Earth Fault protection solutions
- » Switchgear Design and Implementation

7. COOLING SOLUTIONS

Caliken boasts of a rich and diversified experience & expertise in Design, Installation, Optimisation and Maintenance of a multitude of Cooling Systems such as:

- » Air cooling and Ventilation Solutions
- » Split Unit Air Conditioning Solutions
- » Precision Cooling Solutions

FIBER NETWORK SOLUTIONS



FIBER NETWORKS SOLUTIONS

Our team of friendly competent technicians are experienced to deal with a broad range of Fiber deployment solution. Caliken online management system enables us to track our service levels at every stage of the job order life cycle. With over 6 years' experience in fiber, Caliken Network (EA) has managed to offer reliable and cost-effective full spectrum in fiber network.

OUR SERVICES

1. FIBER ROLLOUT & DEPLOYMENT

On fiber deployment, Caliken has recognized that with high demand on fiber growth, success of a good deployment can be attributed by right management tools, and the experts to guide the project. We work closely with the client for capex optimization, and on time delivery.

Services provided on fiber rollout & deployment include:

- » Site Survey – as per client requirement
- » Mobilization and transportation of teams, tools, and materials to site
- » Trench excavation – Manually and mechanically and Duct installation
- » Aerial deployment – which includes, Installation of poles, accessories, cables & closures.
- » Installation of fiber cable – which includes, pulling cable, installation and testing of cable.
- » Installation of fiber equipment
 - A) Passive equipment's – ODF's, Closures,
 - B) Active – Switches, Power equipment and Transmission equipment
- » Testing, Commissioning & delivery of project.

2. FTTx DEPLOYMENT

Caliken provides realizable, cost effective end to end services on FTTx telecom solutions. These solutions include FTTB-fiber to the building, FTTH, Fiber to the house, and FTTS, fiber to the site, especially for Mobile network providers. Our FTTP innovations, developed with direct input from our customers, have already delivered fiber connectivity to several homes around the region.

Services provided on FTTx Deployment include:

- » Engineering and design – we provide qualified surveyors and planners.
- » Civil works and OSP.
- » Site Acquisition – Gaining access from Building owners and obtaining wayleaves from various authorities.
- » Project management and client activation/Installation.
- » OSP and Passive Optical Network Design.
- » FTTx Capacity Planning Designs with plan for network growth.
- » Passive and active equipment installation.

3. FIBER MAINTENANCE



Your fiber optic infrastructure is critical to your ongoing operations. As such, it is important to keep your network operating at its optimal level. With years of network systems maintenance experience, our team members understand the need for business continuity and the impact a system outage could have on your operations. Our maintenance services encompass the physical outside plant infrastructure and inside plant electronics.

Our services on fiber maintenance include:

- » Provides preventive and planned maintenance on fiber network.
- » Provide maintenance on both passive and active network for both metro and backbone.
- » Patrolling – To prevent cable disruption along the OFC routes.
- » Maintenance is carried out as defined by the SLA / SOW.
- » All fibers are tested for the block sections and reported every month.
- » FTTx support through Caliken's NOC and field team
- » Provide proactive network support through monitoring tools.

4. FIBER ENGINEERING & TRANSMISSION



Our FTTx design engineering services provide practical designs for FTTx networks and infrastructure featuring multi-vendor, multi-technology solutions. With extensive FTTx, OSP and Central Office experience, we deliver superior engineering designs.

Caliken installs and support Transmission network with experience on different vendors, including Nokia, Erickson, Huawei, and Tejas, among many other vendors.

WIRELESS **NETWORKS**



WIRELESS NETWORKS

Caliken is having been deploying wireless network in East Africa for the last 7 years with an array of products that include but not limited to P2P, P2MP, MNO access Radios, VSAT, and Wi-Fi. Caliken keeps abreast of any emerging technology on wireless products. We provide enjoy a well-trained team, who can provide the services on time and efficiently.

1. RADIO ACCESS NETWORK (RAN)

RAN, in mobile network is growing very fast with changes from 3G, to 4G to 5G. Caliken networks provides Fiber support to Mobile towers, and supports the Radio Access Network to the MNO, thus providing turnkey solutions.

Our services on wireless networks include:

- » Installation and commission of Radio's
- » Power installation for the active elements,
- » Maintenance of passive and network elements

2. WiFi

Caliken makes it easy to find the best Internet in your area—no matter where you live. You can find the most affordable prices and fastest Wi-Fi speeds for your address—just run a search with our zip tool above to see which internet service providers (ISPs) are available.

Caliken Network has been installing managed enterprise network and stand-alone service. Clients includes Banks, Hotels, special events, among many. We provide Turnkey projects which can provide Connectivity, and analytics.

3. POINT TO POINT & POINT TO MULTI-POINT

Our P2P/P2MP solutions offer the simplicity of private connections combined with the flexibility and scalability of MPLS technology – a complete solution that can scale and adapt as your business requires.

We offer a wide range of bandwidth options and access tail types, making our Ethernet services affordable for all types of organizations. Additionally, your Ethernet circuit estate with SSE Enterprise Telecoms can be managed, with the option of added protection using shadow VLANs.

4. VSAT

Our VSAT Broadband service is providing customers with fast and reliable internet access – even in the most remote corners of the region. From individual customers and SMEs through to the largest Blue-Chip partners, our team can help connect you or your business today.

5. WIRELESS MAINTENANCE



Our Comprehensive network solution and implementation include Network configuration and subsequent maintenance.

Caliken Networks offers comprehensive maintenance and professional services for wireless networks. We provide complete hardware and software care plan to support and maintain your company's Wireless networks for extending product life, increasing system reliability and investment protection.

A blue-tinted photograph of a globe with a chain and padlock, resting on a keyboard. The globe is the central focus, with a chain wrapped around it and a padlock visible. The background is a blurred keyboard, suggesting a connection between global projects and technology or business. The overall mood is professional and focused.

SPECIAL **PROJECTS**

1. INTERNET OF THINGS – IoT

We are positioned to source solutions and install devices that will enable our customers acquire real time data in their business that can be used in improvement of the services or products they deliver.

Our recent venture targets the following markets:

Smart Buildings & Homes

- » Increasing utility efficiency
- » Enhanced building security and safety
- » Parking bay management and optimization
- » Waste management
- » Predictive building maintenance

Smart Farming

Providing solutions to farmers bringing all their technology, systems and devices together into one interconnected system that increases production and unlocks the full value of their operations.

Some of the solutions include:

- » pH and Temperature management in fish ponds
- » Temperature and humidity measurement in greenhouses
- » Pressure control and management of water systems in irrigation.
- » Animal tracking
- » Predictive building maintenance

Smart Utilities

Providing solutions to municipal councils and other institutions involved in the distribution of utilities like water and electricity.

- » Smart water meters for remote reading and management
- » Smart electrical meters

2. AUTOMATED WEATHER OBSERVING SYSTEMS (AWOS)

Caliken has an on-going project through the Ministry of Environment and the sole contractor for the supply, delivery, installation and commissioning of Airport Weather Observing System (AWOS) at Moi Airbase (MAB), Laikipia Airbase (LAB) and Moi International Airport (MIA).

Solutions offered include:

- » Automated Weather Stations – Wind, Pressure, Humidity
- » Height of Clouds Measurement
- » Visibility & Present Weather Measurement
- » Airport Weather Data processing and Display

3. RISK MANAGEMENT SERVICES



Caliken has the capacity to provide a service of a consultant or a team to deliver Security Risks Assessments (SRA). We assess the security situation for a client, using a three-stage process:

- » Threat Assessment: we monitor regional and in-country historical existing and emerging threats and activity. This enables us to understand threat profiles in specific locations and along potential routes.
- » Vulnerability Assessment: we assess locations, routes and environments to understand their vulnerabilities.
- » Risk Assessment: we map threats to vulnerabilities in order to see where risks lie, which enables us to undertake journey management planning using the prevailing circumstances in-country.

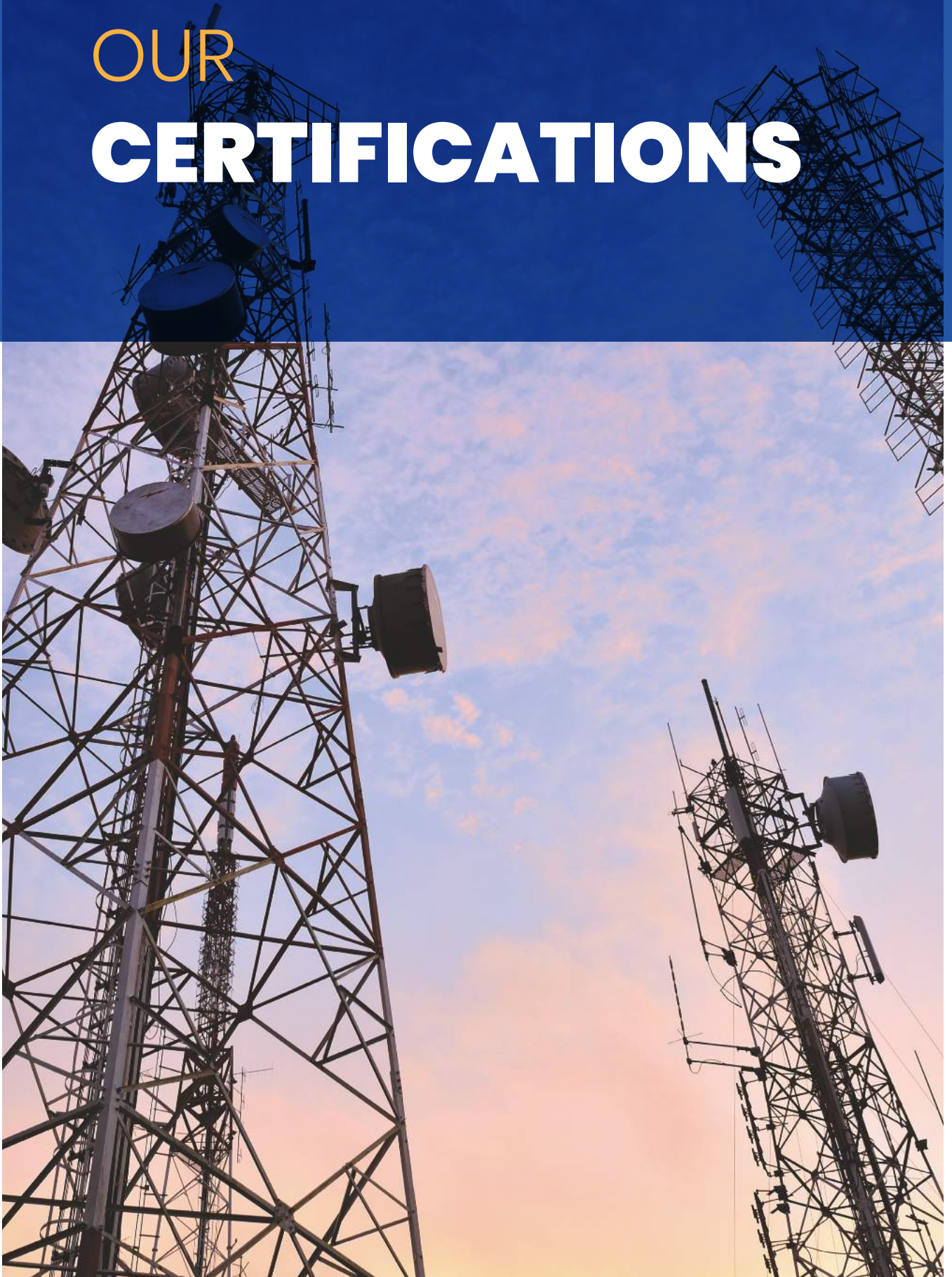
We go on to develop a Security Risk Register (SRR) that summarises relevant threat scenarios, critical assets and processes, as well as associated risks scores and protection objectives for security mitigation. Based on our findings we will produce a recommendations report. Once we have carried out an SRA, we will objectively analyse your organisation's plans with a view to recommend improvements and writing/rewriting the plans.



We also provide consultants to assist with short term tasks and we have worked with a wide range of clients on diverse projects which include:

- » Market entry planning
- » Bespoke threat and risk reporting
- » Business continuity/resilience assessment and preparation
- » Security system audits and gap reviews
- » Security planning and implementation
- » Evacuation planning
- » Crisis Management planning

OUR **CERTIFICATIONS**





NATIONAL CONSTRUCTION
AUTHORITY

ISO 9001:2015 Certified

Contractor Annual Practicing License

Pursuant to the National Construction Authority Act No. 41 of 2011, and Regulation No. 7 of 2014;

I hereby certify that

M/S Caliken Networks (P.E.) Limited

is duly registered as ELECTRICAL ENGINEERING SERVICE CONTRACTOR

Category NCA2

Reg. No 17501/E/0515

Date of Issue: 15/3/2021

This license is awarded for a period of ONE(1) YEAR starting 1/7/2020 and ending 30/6/2021

Registrar of Contractors



SERIAL No.390224



NATIONAL CONSTRUCTION
AUTHORITY

ISO 9001:2015 Certified

Contractor Annual Practicing License

Pursuant to the National Construction Authority Act No. 41 of 2011, and Regulation No. 7 of 2014;

I hereby certify that

M/S *Caligen Networks Limited*

is duly registered as *BUILDING WORKS* CONTRACTOR

Category *NCA6*

Reg. No *17501/B/0715*

Date of Issue: *8/7/2020*

This license is awarded for a period of ONE(1) YEAR starting *1/7/2020* and ending *30/6/2021*

Registrar of Contractors



SERIAL No.340188



NATIONAL CONSTRUCTION
AUTHORITY

ISO 9001:2015 Certified

Contractor Annual Practicing License

Pursuant to the National Construction Authority Act No. 41 of 2011, and Regulation No. 7 of 2014;

I hereby certify that

M/S *Caligen Networks Limited*

is duly registered as *WATERWORKS CONTRACTOR*

Category *NCA7*

Reg. No *17501/W/0515*

Date of Issue: *8/7/2020*

This license is awarded for a period of ONE(1) YEAR starting *1/7/2020* and ending *30/6/2021*

Registrar of Contractors



SERIAL No.340189

REPUBLIC OF KENYA

COMPLIANCE CERTIFICATE

This is to certify that

CALIKEN NETWORKS (E.A) LIMITED

of Post Office Box 36748 Nairobi 00200

has been licensed as a

TELECOMMUNICATIONS CONTRACTOR

in the Republic of Kenya in accordance with the Kenya Information & Communications Act, the Kenya Information & Communications Regulations and the Terms & Conditions of the referenced license.

This certificate is valid up to30TH JUNE 2021..... after which it MUST be renewed

Signed *Shah*

27th / November / 2020

As, Director General

Date (day/month/year)

Please note that this is not a licence but proof of compliance

Serial No:07-00568-01-00-0883

50011156



Certificate of Accreditation

This is to certify that:

M/S CALIKEN NETWORKS (E.A) LIMITED

Has demonstrated compliance with the Government IT Governance Standard, Criteria for accreditation of Government ICT Suppliers/Contractors and has been accredited under Category
3: ICT NETWORKS
ICTAfor the provision of ICT services in the scope of accreditation commencing from **17TH JULY 2020** to **17TH JULY 2021**....

for

Francis Mwaure
Chairman, Accreditation Committee


Kipranoh Ronoh P.
Director, Programmes and Standards



Registration No: 80020000588617



THE COMPANIES ACT

Certificate of Registration

(Section 253 of the Companies Act 2012)

I CERTIFY that CALIKEN NETWORKS (E.A) LIMITED has this day been registered as a foreign company under the Companies Act, 2012 with the following company number 80020000588617.

Dated at Kampala, this 22nd day of December the year 2017.

UGANDA REGISTRATION
SERVICES BUREAU



Signature: JULIET SCOVIA APOLOT

Registrar of Companies

Printed on 14:12:58 22-12-2017



Republic of South Sudan

Ministry of Justice and Constitutional Affairs



Directorate of Registration of Companies, Business Names, Partnership, and Intellectual Properties

Reg. No: 618

Office of the Chief Registrar

CERTIFICATE OF REGISTRATION

Dr. GABRIEL ISAAC AWOW

I....., Chief Registrar of Companies, Business Names Partnership
and Intellectual Properties certify that **CALIKEN NETWORKS (EA) LIMITED** is this day

Incorporated in accordance with the South Sudan Companies Act, 2017

Given under my hand at Juba, South Sudan this 26TH day of






 +254 718 229 966

 info@caliken.com

 www.caliken.com

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 Nextgen Mall, Mombasa Road,
Nairobi, Kenya

