

# 4G telecom

- Wireless Broadband Services
- Satellite Services
- GPS Tracking Services
- Network And IT Services



4GTelecom is a corporation based in South Sudan providing a wide range of telecommunications and ICT service activities since 2010.

As a licensed Wireless Internet Service Provider, 4GTelecom's network provides full coverage of the Juba city, satisfying an ever increasing demand for high capacity internet services and multi-branch connections.

Using state of the art technologies, 4GTelecom ensures fast, reliable, and stable wireless broadband connectivity with a fully dedicated capacity and built-in redundancy.

4GTelecom customizes solutions for enterprises, small businesses, mobile operators, and NGOs with an unparalleled commitment to competitive prices as well as prompt customer response.

4GTelecom, in collaboration with its Teleport partners, delivers various VSAT services such as preparing and deploying turnkey projects, providing Internet connectivity to Juba and various rural areas in South Sudan, supplying Multi branching connectivity as well as O&M of Hubs, and remote terminals. 4G Telecom also supplies the different hardware set-ups required for any VSAT connectivity solution.

Moreover, 4GTelecom operates Vehicle GPS tracking services in South Sudan which enable fleet managers to monitor and supervise their vehicles' route in real-time, reduce fuel consumption, and increase efficiency.

4GTelecom services also include pre-study, project management, delivery of turnkey telecom, IT services, and telecom consultancy.

4G's rapidly growing portfolio of activities currently includes:

1. Wireless Broadband Services
2. Satellite Services
3. GPS Tracking Services
4. Network and IT Services

## WIRELESS BROADBAND SERVICES

4GTelecom, has implemented the first phase of its Wireless Broadband network in the city of Juba, thus enabling its customers to have access to high-speed wireless internet connectivity at highly competitive prices, and wireless data networking activity to connect to their different branches securely and efficiently.

4GTelecom's access and core networks are dimensioned and optimized to ensure high service reliability, a secure environment for Multi-branching solutions, easy scalability, and low latency.

4GTelecom network features:

- Low latency Internet backbone by using a terrestrial transmission link to access global Internet exchange
- Redundant network structure utilizing two distinct independent routes as well as two different service providers, backed up by satellite connectivity to Europe's Tier One teleports for terrestrial connectivity
- High reliability and availability achieved by using the latest wireless access solution technology along with redundant critical core components insuring the availability of redundant power supply for major network components
- Scalability through a flexible network architecture based on top performing Cisco core and edge devices which enables fast and smooth future growth and expansion
- Accessibility to major African cities using partner backbone capabilities

4GTelecom competitive advantages are:

- Highly competitive prices
- Customized and engineered solutions
- Fast deployment
- Immediate response time
- Fully fledged user management interface

During phase 2, 4GTelecom will be expanding its wireless service to major cities throughout the country of South Sudan.



4GTelecom, through its connection with different major satellite operators, provides highly competitive prices on a variety of operating satellites and satellite bands, and optimized end-to-end solutions.

### 4GTelecom VSAT services include:

- Raw satellite capacity used for multi-branching solutions
- Internet provision using different platforms and technologies for shared and dedicated solutions covering Juba, different major cities, and rural remote areas
- Designing, implementing, and executing turnkey satellite service projects
- Supplying the different hardware required for projects
- Managing, operating, and maintaining, through SLA agreement, central hubs and remote sites for mobile operators or large enterprises (banks and NGO branches) including providing local technical support, repairs, optimization, and network monitoring of satellite services and operations

### 4GTelecom's VSAT team

- Highly motivated with widespread major satellite technology knowledge
- Extensive experience in responding to Requests For Proposals (RFPs) from designing, link budgeting, installing, operating, and handing over turnkey solutions
- Masters fast deployment and prompt response time



4GTelecom, along with its affiliate partners, offers a full set of tracking & fleet management services. These services allow fleet managers to track their vehicles' route in real time and enable information to be transmitted promptly. The data transmitted could be configured to include any form of information such as location, speed, engine status (on/off), acceleration, harsh braking, cargo temperature, seat belt status (on/off), mileage, and more. Data collected could be processed, managed, and treated from any place in the world utilizing internet connections.

### Geo-zone Features

- Allows the control of sales and sales personnel in certain territories and motion monitoring outside the Geo Zone
- Improves time management and reduces idle time
- Reduces car theft or drop off

### Customer Service Improvements

The Tracking System can improve Customer Service by:

- Improving response time to customer's calls
- Improving ETA (Estimated Time of Arrival) accuracy
- Allowing business owners to notify their customers in case a service is running late
- Promoting effective marketing

### Lower Fuel Costs

Studies also showed that Tracking Systems have helped companies reduce their fuel costs by up to %22.

Vehicle fuel costs are cut by:

- The reduction of excessive speeding
- The elimination of personal use of company's vehicles
- The improvement of vehicular maintenance
- The detection of fuel theft

### Improved Supervision

GPS Tracking helps business owners maintain supervision of a company's vehicles by giving managers instant access to the location and status of its trucks, equipment, and other mobile assets. It allows companies to be more efficient, innovative, and competitive.



4GTelecom provides a variety of network and IT services such as:

### **Supply and Installation of PBX and IP Telephony**

- Strategic partnership with NEC and Cisco
- Various solutions tailored to SME and large enterprises
- Providing highly secure, reliable, and scalable voice communications infrastructure
- Interconnecting IPBX to mobile operators by using E1 or SIP capability for remote access
- Providing call accounting and centralized administration
- Improving employee flexibility and productivity with a full range of unified communication tools

### **Network Design, Supply, and Implementation**

- **Designing networks for enterprises and corporations** to support intranet, internet, multi-branching, and VPN
- Supplying all network elements such as routers, switches, Wi-Fi hotspot, firewall, and others
- Strategic partnerships with Cisco, Zyxel, Mikrotik, TP link, and others
- Configuring and providing support for network implementation

### **Supply of IT equipment**

- Supplying the latest IT equipment, such as printers, hard drives, servers, and controllers to small and large businesses
- Keeping abreast of the latest information technology trends
- Investing 4G Telecom's extensive knowledge and wide range of skills into every project we undertake
- Providing an unsurpassed service in today's highly competitive market landscape



## PARTNERS



BlueCoat



Dialogic



lenovo



MikroTik



NEC



TOSHIBA  
Leading Innovation >>>

UNIFY

vmware



ZyXEL

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