ABOUT US
WHO WE ARE:

MERIT is an independent and recognized leader in providing wireless voice and data turnkey services to the telecommunications industry. Our service offering includes:

• Radio Network Design & Planning
• RF Drive testing & Competitive Benchmarking
• RF Physical Optimization & Site Audits
• Outsourcing & Consulting
• Network Quality of Service Evaluation
• Transmission/Access Network Planning & Implementation
• Fiber Optic Installation, Testing & Maintenance
• Civil Works & BSS Equipment Installation
• Project Management
• Enterprise Network Solutions
  – Special Coverage & InBuilding Solutions
  – Repeater System Solutions
  – Voice, Data & advanced Network Security
• Other Technical Services for the telecommunications industry
We have worked with all major access technologies (including GSM, GPRS/EDGE, UMTS/HSPDA, CDMA-1xRTT/EV-DO, WiFi, WiMAX and LTE).

We have participated in the success of some of the most sophisticated wireless systems in the world.

We bring local knowledge and global capabilities to our customers offering innovative solutions, insight into cutting edge developments and delivering solutions that enhance business efficiencies.

Quality, flexibility, reliability and a speedy response to our clients requirements is our aim.
HISTORY
Brief History:

- Registered in UK in June 1996 (formerly known as TAY Communication Ltd) and commenced operation same year.
- Registered in Nigeria in October 2002 and commenced operation in 2005.
- Registered in Ghana in June 2008.
VISION

MERIT vision is to be a global leader in delivering the best Telecommunication solutions.
MISSION STATEMENT

**MERIT** mission is to create innovative next-generation networks which will enhance global communication.

To accomplish this mission, we strive to be the premier provider of groundbreaking network engineering, system integration and technical services in our business areas.
OUR CULTURE
## OUR CULTURE

<table>
<thead>
<tr>
<th>M = MERITORIOUS</th>
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<tbody>
<tr>
<td>• We give that rewarding experience you deserve</td>
<td>• We make our clients heroes in their workplace</td>
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<td>• Welfare is our concern</td>
<td>• We are Empathic</td>
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<tr>
<th>E = EXCELLENCE</th>
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<tr>
<td>• We have the passion and integrity that transforms us into the best in the</td>
<td>• We have that Impeccable office ambience that enhances creativity and innovation</td>
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<tr>
<td>industry</td>
<td>• We are goal oriented</td>
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<td>• We pay attention to detail</td>
<td>• We are proactive to deliver the best solutions</td>
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<td>• We are responsible and disciplined to a quality task completion</td>
<td>• We are goal oriented</td>
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<tr>
<th>R = RESPECT</th>
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<tr>
<td>• We treat each other with respect because it makes working together far</td>
<td>• We honor commitments because respect must continually be earned</td>
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<td>more comfortable and enjoyable</td>
<td>• We appreciate the uniqueness of each of our clients</td>
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<th>I = INNOVATION</th>
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<tr>
<td>• We process ideas into technology that enhances quality service</td>
<td>• We are sensitive to change</td>
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<td>• We possess current and effective tools of trade</td>
<td>• We possess current and effective tools of trade</td>
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<tr>
<td>• We communicate effectively with latest technology</td>
<td>• We communicate effectively with latest technology</td>
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<th>T = TIMELY DELIVERY</th>
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<td>• We give uncompromised quality service delivery on time</td>
<td>• We have effective teams that deliver desired results</td>
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<td>• We give good customer satisfaction with timely delivery</td>
<td>• We give good customer satisfaction with timely delivery</td>
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VALUES
To accomplish our mission, we depend on a set of core company values central to our approach in business:

- **Exceed customers’ expectations**
  Honoring the customer as our most important asset is our priority.

- **Creatively solve problems**
  Merit empowers its people to think creatively, enabling a diverse workforce that generates innovative decision-making for a broad spectrum of customers and partners.

- **Knowledge and experience**
  By relying on our vast experience and seasoned industry technicians, MERIT can solve a range of network challenges to meet the needs of our customers.

- **Maximizing opportunities**
  Share knowledge, expertise and relationships to open new doors of opportunity and to facilitate interaction among the customers.

- **Be accountable**
  Take responsibility, make things happen, admit to mistakes, and commit to learning and growth.

- **At MERIT, we're committed to our mission of helping our customers development to new heights, deliver valuable new services, and achieve goals they never thought possible.**
SERVICES
We offer customized service for most of Africa’s largest wireless Carriers to maintain their network. As one of the top growing independent Telecoms Service provider in Africa, we take pride in leverage of our industry expertise to provide technical consulting and network engineering services.

We have two divisions:
- Wireless Network Services (WNS)
- Enterprise Network Solutions (ENS)
WIRELESS NETWORK SERVICES

RF Engineering

RF Drivetest & Competitive Benchmarking & Optimization
MERIT has expertise on various optimization test scenarios in any GSM, GPRS/EDGE, UMTS/HSPDA, CDMA-1xRTT/EvDO, Wi-Fi and WiMax networks
• Continuous Wave (CW) drive testing
• Single network drive test
• Cluster Optimization drive test
• Site Verification/Cell Shakedown drive test
• KPI/Final Acceptance drive test
• Competitive benchmarking (up to 7 networks dual technology) test
• Data Post-Processing and Analysis
• Frequency retune
• Network Parameter optimization

RF Physical Optimization & Site Audits
• Checking all antennas at each location
• Checking all cables and connections for weathering and tightness
• Checking & Adjusting azimuth, center line, down tilt (electrical and mechanical) and coordinates.
• Verification of RF implementation vis-a-vis RF design Sheet.
• Modifying RF Data sheets with correct coordinates and antenna centerline
• Readjustment of antenna tilt
Radio Network Design & Planning

- RF network design using state-of-the-art design tools such as Planet, Asset, TEMS Cell Planner,
- Odyssey, Cell Design, and also developed required software tools, to ensure that design criteria and performance specifications meet the objectives of the customer.
- Radio design, planning and Optimization tools selection
- Macro/Micro radio network design and planning
- Link Budget Calculations
- BTS/BSC site survey, selection & nomination
- Propagation model calibration
WIRELESS NETWORK SERVICES

. BSS Engineering

Civil Works
- Structural designs and analysis
- Supply and install tower foundation including excavation, rebar, framework, backfilling and composition as per design
- Tower erection including painting and antenna mountain poles
- Erection of canopy and plinths
- Fabrication & installation of antennae poles
- Installation of cable tray
- Civil Construction (underground, foundation, site work, fence, etc.)

BSS Equipment Installation
- Installation of relevant BSS equipment, like BSC/RNC & BTS/Node B (Indoor & Outdoor) as per installation documents
- Installation of rectifiers, battery banks and power supply units
- Receiving, Unpacking and delivery of equipment on to site floor
- Feeders Jumpers connection as per standard
- Clamping and earthling fixing etc. as per standard
- Equipment shelter installation
- Grounding System installation
- Software configuration
WIRELESS NETWORK SERVICES

. Transmission Engineering

Transmission/Access Network Planning & Implementation
- Site design, surveys and selection
- Microwave interference analysis and frequency planning
- Determining Antenna positions and Orientation
- Determine Line of Site (LOS) using advance Software tools
- Path Loss Calculations, Path Profile etc.
- Deploying; ATM network, upgraded radios, nodes etc.
- Microwave link design and link budget analysis.
- Capacity planning and upgrades
- Microwave radio Installation, commissioning and maintenance
- Bit Error Rate Testing

Fiber Optic Transmission (Installation, Testing & Maintenance)
- New build fibre optic cable installation.
- New build cable splicing and testing: single mode and ribbon splicing.
- Cable blowing by means of Pirelli Sirocco.
- Internal back bone installation: -multimode and single mode.
- Fibre optic polishing.
- Installation on hub/node sites.
- Terminating & Splicing of fiber optic cables
- Commissioning of fiber optic link
- Fibre optic network maintenance services (fault check & diagnosis)
- Repair and testing of Fibre Optic cables on railways, highways and in buildings.
- Install patch panels/patch cords and reset or replace cards in transmission systems.
- Stand-by engineers who are fully trained and experienced
WIRELESS NETWORK SERVICES

VSAT Transmission
- Site survey
- Service Provider liaising
- Civil Work
- Installation and commissioning

Transmission Network Optimization and Sites Audit
- Antenna Alignment to desired Azimuth, Center Line, Tilt angles etc.
- Transmission Parameter check
- Transmission accessories check and measurements

Outsourcing and Consultancy
- Experienced RF Planning & Optimisation Engineers (2G, GPRS/EDGE, UMTS, CDMA, Wi-Fi & WiMAX)
- Experienced Transmission engineers
- Experienced BTS/BSC & Node B/RNC installation engineers
- Experienced BSS design engineers
- Local resources
  - All consultants have a good understanding of the local environmental and geographical constraints.
- Technical support
  - MERIT Central office backup for all consultants.
- Cost effective, reliable and time efficient service
- Flexibility of working in client locations
- Resource + Training (OTJ)
- Skills transfer
WIRELESS NETWORK SERVICES

Network Operations & Maintenance
MERIT’s expert Engineers and field personnel undertake operations and maintenance of all network processes and elements across diverse areas.

Our expertise on multi technology products, system & process based maintenance and excellent operations provides the operator with high level of confidence to partner with MERIT for the delivery of critical task of operations & maintenance.

Technical Support And Process Management
- Technical Help Desk
- Acceptance Testing
- Type Approval Testing
- Process Management activities
WIRELESS NETWORK SERVICES

Network Field Maintenance
- Hardware software upgrades
- Rental Management
- Diesel Filling Management
- Site Access management
- Electrical Equipment & other Facilities
- 24 x 7 site maintenance

Network Monitoring & Operations
- Fault & Trouble shooting Management
- Root Cause Analysis Support & Reporting
- Upgrade/Capacity Management
- KPI & Configuration Management
- Database & Backup management
- Recovery support
- Remote Alarm monitoring and resolution
- Onsite and remote Equipment monitoring
- Field Scheduling & Dispatch Management
Passive Installation & Maintenance
• Generator installation and maintenance
• Rectifier installation and maintenance
• Battery backup installation
• Shelter reticulation
• Air condition maintenance
• Earth tests
• Tower refurbishment (corrosion control)

Power & Renewable Energy Solutions
• Smart Grid Inverter Solutions
• Solar power
• Battery banks (NED batteries, Narada batteries)
• Hybrid power solutions
WIRELESS NETWORK SERVICES

Other Services

· Supply & Installation
  . HYBRID & FAN Cooling Solution
  . QUICK SITE Solution
  . Prefabricated Shelter
  . Cell-On-Wheels (COWs) and Cell-On-Legs (COLs)
  . Ready-to-Drive
  . OEM products with energy efficiency solution
    that can meet equipment vendors' unique
    specification and requirement
  . Outdoor Enclosure
  . Sun Shelter
  . Base station antennas
ENTERPRISE NETWORK SOLUTIONS

MERIT Enterprise Network Solution division offers dedicated acquisition, design and installation services. We understand the growing requirement by operators for in-building solutions and our experience and expertise enables us to provide the right coverage solution for any indoor environment.

**Special Coverage & In-building Solutions (SCIS)**

**In-Building Coverage Solutions**

MERIT Special Coverage & In-Building Solutions division offers dedicated acquisition, design and installation services. MERIT understands the growing requirement by operators for in-building solutions and our experience and expertise enables us to provide the right coverage solution for any indoor environment.

Delivering dedicated coverage and capacity solutions covering GSM900, DCS1800, GPRS/EDGE and UMTS, Wi-Fi, WiMax and LTE.

We have designed and implemented several in-building coverage solutions from small single operator shop installations to large multiple operator 100+ antenna sites including up to 25 storey office buildings, hotels and large factories across UK & West Africa including Transcorp Hilton hotel, Abuja, Central bank of Nigeria HQs, Abuja and many more.

We can boast of several "West Africa first" indoor total coverage systems for WLAN in:

- High-rise buildings
- Multi-building campuses
- Sports arenas
- Airports
- Hotels and Resorts
- Retail stores
ENTERPRISE NETWORK SOLUTIONS

In-Building Coverage Solutions
MERIT offers a unique integrated service, covering all aspects of the Indoor and in-tunnel coverage solutions, from site acquisition, detailed radio design, through to installation and commissioning of the system, which enable us to offer improved turn-round times and less intrusion to the building owners/tenants:
· Full Radio Design and Survey
· Unique Design Services Prediction Methodology
· In-Door Walk test covering all frequency bands
· Comprehensive design packs and associated power budgets
· General arrangement and Construction Drawings
· Site Installation, Optimization and System Maintenance

Repeater Systems Solution
MERIT provides a full line of COMBA pico and micro type off-air RF enhancers and macro type off-air digital nodes, called repeaters. COMBA repeaters are also ideal for any phase in deployments where cost, coverage, and quality must be enhanced and optimized.
Repeaters provide RF signals for wide area coverage through antennas.

All COMBA RF enhancer products are self-diagnosing, self-adaptive and maintenance free.
· Indoor repeater solutions (Malls, Offices)
· Outdoor repeater solution (motorways, villages, special events)
· Full design and survey
· Site Installation, Commissioning and Integration
Voice, Data & Advanced Security
MERIT has broad network experience and extensive technical experience to design, install and maintain advanced network systems and services
· Local and Wide area networks
· Wireless networks
· Wi-Fi networks
· Communication systems for audio, video, video surveillance, Internet protocol (IP) video & VOIP
· Electronic security, surveillance and access control

Project Management
· Establishing project standards, guidelines and schedules
· Streamlining process to ensure efficient project completion
· Human resource management
· Equipment purchase and installation tasks
· Schedule, milestone, and requirements tracking
· Cost management
· Quality management
· Project reporting and lead
MERIT

ADVANTAGE
MERIT ADVANTAGE

- MERIT has proven experience and a rich history in designing, planning and optimizing some of the leading voice and data networks. These networks provide the essential backbone that delivers innovative services to millions of customers.

As one of the fastest growing RF, Transmission & BTS Implementation engineering company in Africa, we believe that our wireless expertise, coupled with our experience servicing leading vendors and operators is a sizable advantage in the markets we serve.
**LOCATION AND CONTACTS**

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