RAXIO
The data centre company

Technical Specifications Sheet Site ID: ET1

Raxio ET1 is Ethiopia's first enterprise-grade, Tier III certified carrier-neutral data centre. Located in the ICT Park along key fibre routes, Raxio Ethiopia delivers best-in-class colocation, cross connect, fibre and IT infrastructure services. This 2,000m^2 facility can house up to 400 racks and deliver 3MW of IT power.

Tier III standard	Carrier neutral	Scalable	High security
Sustainable	Connectivity hub	Operational Excellence	Optimal location

RAXIO

Raxio is a premier pan-African provider with a network of carrier-neutral Tier III data centres fully dedicated to colocation.

A proud pioneer in every market we enter, our network of regional facilities offers customers unparalleled access to affordable connectivity, enterprise-grade facilities and exceptional integrated services.

Widest footprint in Africa

> Angola

> Democratic Republic of Congo

> Ethiopia

> Ivory Coast

> Mozambique

> Tanzania

> Uganda

Services

Colocation
Secure hosting environments for the full spectrum of clients, from retail to wholesale. Offering half rack options up to dedicated suites. Our customers have the option to scale quickly as their needs grow.

Cross Connections
Diverse Meet Me Rooms offer easy and redundant interconnection between other customers.

Cages
Private cages offering an added layer of security with restricted access and CCTV.

Remote Hands
In-house team of trained engineers operate on a 24x7 basis to provide technical support whenever you need it.

Key benefits

Scale
Scalability with over 16,000m^2 across a growing network of seven world-class data centres in strategic locations

Flexibility
Grow with a range of floor space and power density options without worrying about upgrading infrastructure.

Connectivity hub
Data centres that are located in growing metros in Africa selected to serve as both primary and disaster recovery along major connectivity routes.

Cost Effective
Competitive pricing for both retail and wholesale clients offering significant savings to alternative solutions.

High SLAs
Guaranteed 99.982% uptime delivered via a fully redundant design that is concurrently maintainable with no single points of failure.

Bespoke solutions
Solutions can be tailored to individual customer requirements.

Sustainable
Energy efficiency is at the core of our business. Our power is renewably sourced, and we offer industry leading PUE delivered via ultra-efficient equipment selection.

Operational excellence
Operated by trained IT professionals in line with industry standard SOPs.

Financially sound
Backed by large investors with Africa focused investing and operating experience.

Secure
High security with 24x7 CCTV monitoring and manned guards. 7 layers of access from gate to rack level. Industry standard security operating procedures.

Raxio Ethiopia

Location
ICT Park
Addis Ababa
On all major fibre routes
Primary & disaster recovery

Core
Tier III Standard
Up to 400 Racks
4 – 21 kW per rack
To Host Ethiopia's IXP

Industries
Enterprise
Financial
Telecom
Media

Services
Colocation
Cross connection
Active & dark fibre
Remote hands

Shift & lift
Caging
Customer spaces
Expanded services

Location
- The data centre is located in Addis Ababa inside the ICT park
- Along major fibre routes with Ethio Telecom PoP
- Approximately 30 Minutes away from Bole International Airport

Building Overview
- Purpose build facility from ground up
- Long term leasehold
- 54U 600x1200mm racks
- Scalable to Double Floor
- 2,000m² of white space
- Flexible IT space with ability to create bespoke environments as required

Main Structural Features
- Administration block and ancillary building are traditional construction
- Data hall and MEP rooms is steel frame with concrete floors with vertical steel plate wall
- 6M slab to slab height
- Floor loading 15kN/m2

Power
- 33kV utility supply directly fed from the nearest Substation
- 2N power redundancy from MV Transformer, Generator, UPS, Busbar to Rack PDU
- Fully diverse power distribution to technical areas
- On-site fuel storage to support 72 hours at full capacity with 24x7x365 fuel delivery
- 7 min UPS autonomy

Cooling
- 3MW of installed cooling provision initially
- Minimum N+1 resilience on all systems

- Humidity in technical space is controlled within the recommended range of ASHRAE TC9.9
- Energy efficient indirect adiabatic cooling
- Environmental Sustainable with PuE of 1.3

Security
- Operations Centre manned 24x7x365
- Security guard patrols 24x7x365
- Continuous CCTV surveillance of external and internal areas
- Comprehensive intruder detection and alarms to all areas
- 2.4m boundary wall with razor wire
- Road blocker at site entrance
- Access control using proximity card readers and biometric readers
- Secure managed delivery and loading area available 24x7x365

Connectivity
- Carrier neutral with connectivity providers terminating fibre to the facility
- Network dense with access to multiple global and regional carriers and Internet service providers offering Dark Fibre, IP Transit, Peering, CDN, Storage, Virtualised Services (SDN), Voice and Mobile Services
- Access to multiple cloud services through leading public, private and hybrid cloud solution providers
- 2 dedicated Meet Me Rooms
- 2 diverse fibre intake points
- Diverse cable routes and pathways
- Onsite Tower Mast
- Onsite Satellite Earth Station

Fire Detection and Suppression
- Analogue addressable fire detection

system in all areas
- Aspirated early warning smoke detection system VESDA (monitored 24x7x365)
- Gas suppression system protects data hall and all technical areas

Critical Environments Management
- Experienced 24x7x365 facilities management team
- Environment (thermal conditions) monitored 24x7x365
- All Building Management Systems (BMS) monitored 24x7x365
- Comprehensive energy metering system
- Internationally recognised critical environments programme

Certifications
- Uptime Institute Tier III TCCD Certification

Operations
- CMMS & DCIM Tool
- SoP and MoP in place
- 24x7x365 NOC

Raxio Ethiopia

📍 6th Floor, A4 Building,
379 Cape Verde Street,
Bole Subcity, Addis Ababa

📞 +251 911 505192

✉️ info@raxio.et

🖥️ raxiogroup.com/locations/ethiopia

Raxio Group offices

Raxio Headquarters
Herengracht 573
1017 CD, Amsterdam
The Netherlands
–
+31 10 440 1154
info@raxiogroup.com

Raxio Dubai
Gate Village 7,
Unit 1, level POD,
DIFC, Dubai
–
+971 4 220 0016
info@raxiogroup.com

Raxio Kenya
The Pavilion, 7th floor,
Lower Kabete Road,
Westlands, Nairobi, Kenya
–
+254 759 454 234
info@raxiogroup.com

RAXIO   Connecting Africa and beyond