



**RAXIO**  
The data centre company



# Technical Specifications Sheet

## Site ID: ET1

RaxioET1 is Ethiopia's first enterprise-grade, Tier III certified carrier-neutral data centre. Located in the ICT Park along key fiber routes, Raxio Ethiopia delivers best-in-class colocation, cross connect, fiber and IT infrastructure services. The Compound rests on 10,000m<sup>2</sup> with the facility built on 2,000m<sup>2</sup>, housing up to 800 racks and delivering 3MW of IT load power.



Tier III standard



Carrier neutral



Scalable



High security



Sustainable



Connectivity hub



Operational  
Excellence



Optimal location

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**

**Scalability**

Fully scalable to double floors with up coming project phases, doubling the IT load capacity to 6mw.

**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 fiber routes



## Core

Tier III Standard  
Up to 800 Racks  
1–21 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
- 2,000m<sup>2</sup> 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/m<sup>2</sup>

### 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 cooling capacity
- 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
- Environmentally 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
- SoPand MoPin place
- 24x7x365 NOC



## Raxio Ethiopia

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