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PARATUS CASE STUDY

Transforming Education Connectivity in Zambia



Overview

Mphande Hills Primary School in the Chipapa community serves close to 500 learners. Despite receiving 25 new computers as part of a broader infrastructure project led by CFAO Mobility and World Vision Zambia, the school had no means of connecting them, sitting well beyond the reach of fiber and mobile network infrastructure.

Through Paratus Essential Access, powered by Starlink, the school now has reliable, high-speed internet connectivity, unlocking the full potential of its new computer lab for both learners and teachers.

The challenge

Prior to installation, the school had 25 computers with no viable internet connection, rendering them limited in their educational value.

Key challenges included:



No fiber or mobile broadband infrastructure in the area



Learners unable to access online learning platforms and digital resources



Teachers restricted to offline materials and methods



A fully equipped computer lab unable to function at its potential

These constraints directly impacted teaching quality, limiting access to online learning tools and reducing overall productivity.

The solution

As part of its corporate social investment commitment, Paratus Zambia donated a Starlink satellite internet kit to Mphande Primary School, providing reliable, high-speed connectivity to a location where conventional infrastructure does not reach.

The installation process was:



Straightforward and seamless



Quick and easy to deploy



Completed with no technical challenges

Location:

Chipapa community, Lusaka, Zambia

Learners
500

Computers connected
25





25

Computers now fully connected



500

Learners benefitting

27,000

Community members

The Impact

1

Enhanced Connectivity

- Reliable high-speed internet where no connection previously existed
- Consistent performance regardless of demand
- Elimination of bandwidth and access constraints

2

Improved Teaching and Learning

- Access to online learning platforms and digital resources
- Real-time sharing of notes and classwork
- Increased ability to conduct digital and video-based lessons

3

Operational Efficiency

- Computers now functioning at full capacity
- Streamlined access to educational tools and administration systems
- Increased overall productivity across the school

Performance & reliability the school reports:

- Unmatched speed and performance for a first-time connection
- Reliable connectivity regardless of demand
- No downtime experienced since deployment

Cost efficiency

The Starlink solution was donated at a value of K22,000, removing what would have been a significant financial barrier for a school of this size and location. The contribution ensures the school can focus its own resources on learning rather than infrastructure costs.

Conclusion

Through Paratus Essential Access, Mphande Primary School has moved from a fully equipped but offline computer lab to a connected digital learning environment.

Connectivity is no longer a convenience in education, it is a basic requirement. This Starlink donation gives the school the connectivity it needs to actually function, access to digital learning content, broadcast lessons and examination resources that were previously out of reach simply because of geography."

- Neill Nortje, Country Manager, Paratus Zambia

Looking ahead

With connectivity no longer a constraint, Mphande Primary School is now positioned to expand its digital capabilities, including:

- Further integration of digital learning tools across subjects
- Introduction of online assessments and examination preparation resources
- Continued enhancement of teacher and administrative systems



This project highlights how reliable satellite connectivity can:

Bridge the digital divide

Empower educators and learners

Deliver scalable, cost-effective solutions

—no matter how remote the location.



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