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PARATUS CASE STUDY

Transforming Education Connectivity in Eswatini

Overview

At Sifundzani High School, access to reliable internet connectivity was once a significant barrier to effective teaching and learning. Located in Mbabane, the school serves 411 students supported by 57 teachers and staff.

Through Paratus Essential Access, powered by Starlink, the school has transformed its digital capabilities—unlocking new opportunities for both educators and learners.

The Challenge

Prior to installation, the school relied on a 20 Mbps fiber-over-wireless connection, which proved inconsistent and restrictive.

Key challenges included:



Slow connectivity due to high contention ratios



Frequent outages and downtime



Limited bandwidth requiring prioritisation of administrative use



Dependence on printed materials instead of digital resources

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

The Solution

Following a recommendation from a peer institution, Sifundzani High School implemented Paratus Essential Access, a solution designed to provide reliable, high-speed satellite connectivity to underserved and remote locations.

The installation process was:



Straightforward and seamless



Quick and easy to deploy



Completed with no technical challenges

Location:
Mbabane, Eswatini

Students
411

Teachers & Staff
57





411

Students



57

Teachers &
Staff

The Impact

Reliable connectivity delivered immediate improvements across the school.

1

Enhanced Connectivity

- Zero reported outages
- Reliable high-speed internet
- Consistent performance

2

Improved Teaching and Learning

- Access to digital learning
- Real-time collaboration
- Video-based lessons

3

Operational Efficiency

- Better administration
- Improved communication
- Increased productivity

Performance & Reliability

The school reports:

- Unmatched speed and performance
- No downtime experienced
- Consistent, reliable connectivity regardless of demand



Reliable connectivity has removed previous limitations and improved day-to-day operations.

Cost Efficiency

The solution reduced internet costs while delivering significantly better performance.

Conclusion

Paratus Essential Access has enabled Sifundzani High School to create a modern digital learning environment.



Our internet costs have dropped dramatically, while speed and reliability have transformed teaching and administration.

- Sipho Mlambo - IT Officer

This case highlights how reliable satellite connectivity can:

Bridge the digital divide

Empower educators and learners

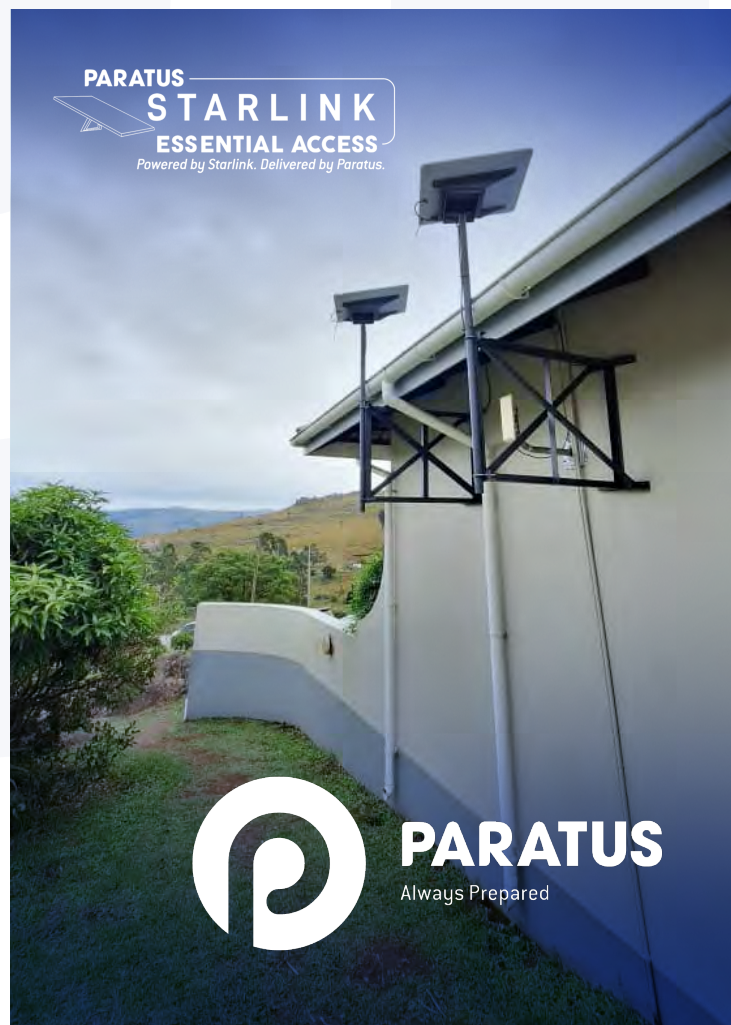
Deliver scalable, cost-effective solutions

—no matter how remote the location.

Looking Ahead

With reliable connectivity in place, the school is expanding its digital capabilities through:

- Introduction of interactive smart boards
- Further integration of digital learning tools
- Continued enhancement of administrative system



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