



CASE STUDY PRESENTATION:

**AFR-IX Telecom Elevates Free WiFi  
in Mthatha, Eastern Cape.**

Innovative Solutions for Overcoming  
Connectivity Challenges.



**AFR-IX Telecom has rolled out a free WiFi network in Mthatha**, addressing connectivity challenges in a region affected by load shedding, theft, and economic barriers.

This project underscores AFR-IX Telecom's mission to bridge the digital divide and promote digital literacy.

This initiative allows GrowM to drive awareness and advocacy for digital inclusion.

## REGION PROFILE: MTHATHA, EASTERN CAPE

### Challenges and Opportunities

Mthatha is a critical economic hub in a predominantly mountainous area with limited and unreliable access to electricity. These factors complicate internet connectivity, but the free WiFi rollout aims to overcome these challenges.





## KEY PARTNERSHIPS

The success of the project was made possible through strategic collaborations with partners like GrowM, Infosys, and Pezula 360, who provided technical, operational, and marketing support.

## TECHNOLOGICAL SOLUTIONS

### Cambium Networks and RansNet Cloud Advertising Server

The deployment of cutting-edge technology, including Cambium and RansNet, enabled robust, cost-effective solutions. These platforms are integral to subsidizing internet costs through innovative ad-based models.



## CHALLENGES OVERCOME

### Infrastructure, User Authentication, and Revenue Generation

Major challenges, including infrastructure limitations and revenue generation, were addressed through advanced authentication processes and an ad-based subsidy model.

These solutions ensured secure, scalable access to internet services.



## OUTCOMES

The free WiFi network in Mthatha has provided reliable internet access to residents, creating opportunities for education and economic growth. This model can be replicated in other underserved regions to address connectivity challenges.





# Mthatha

## **CONCLUSION**

AFR-IX Telecom's innovative approach, combined with strategic partnerships, has successfully deployed a sustainable WiFi network in Mthatha, empowering local communities and setting a precedent for future connectivity projects across South Africa.