



Project
Isizwe

Project Isizwe
Community Networks

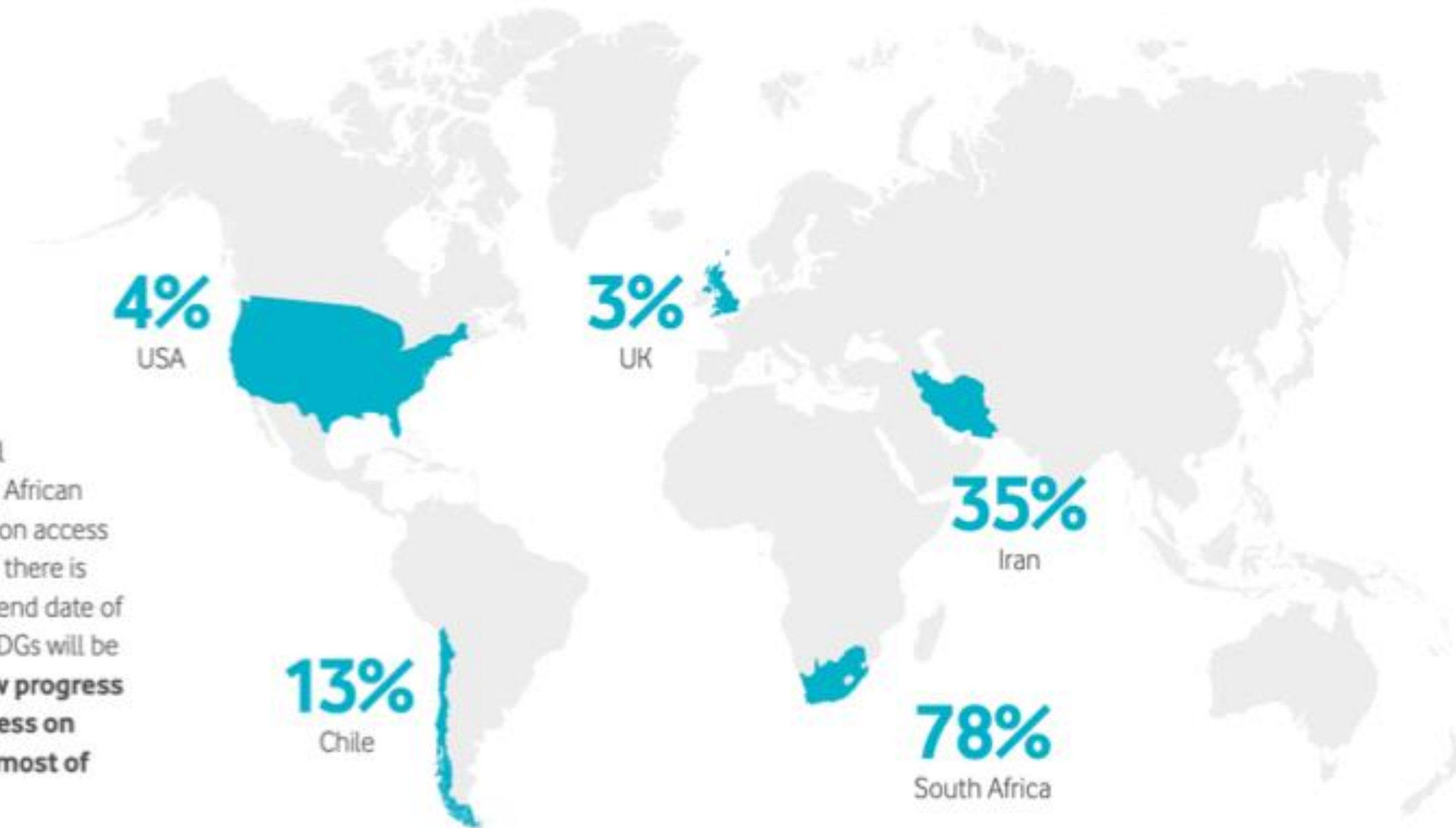
23 September 2024

• The African Education Challenge

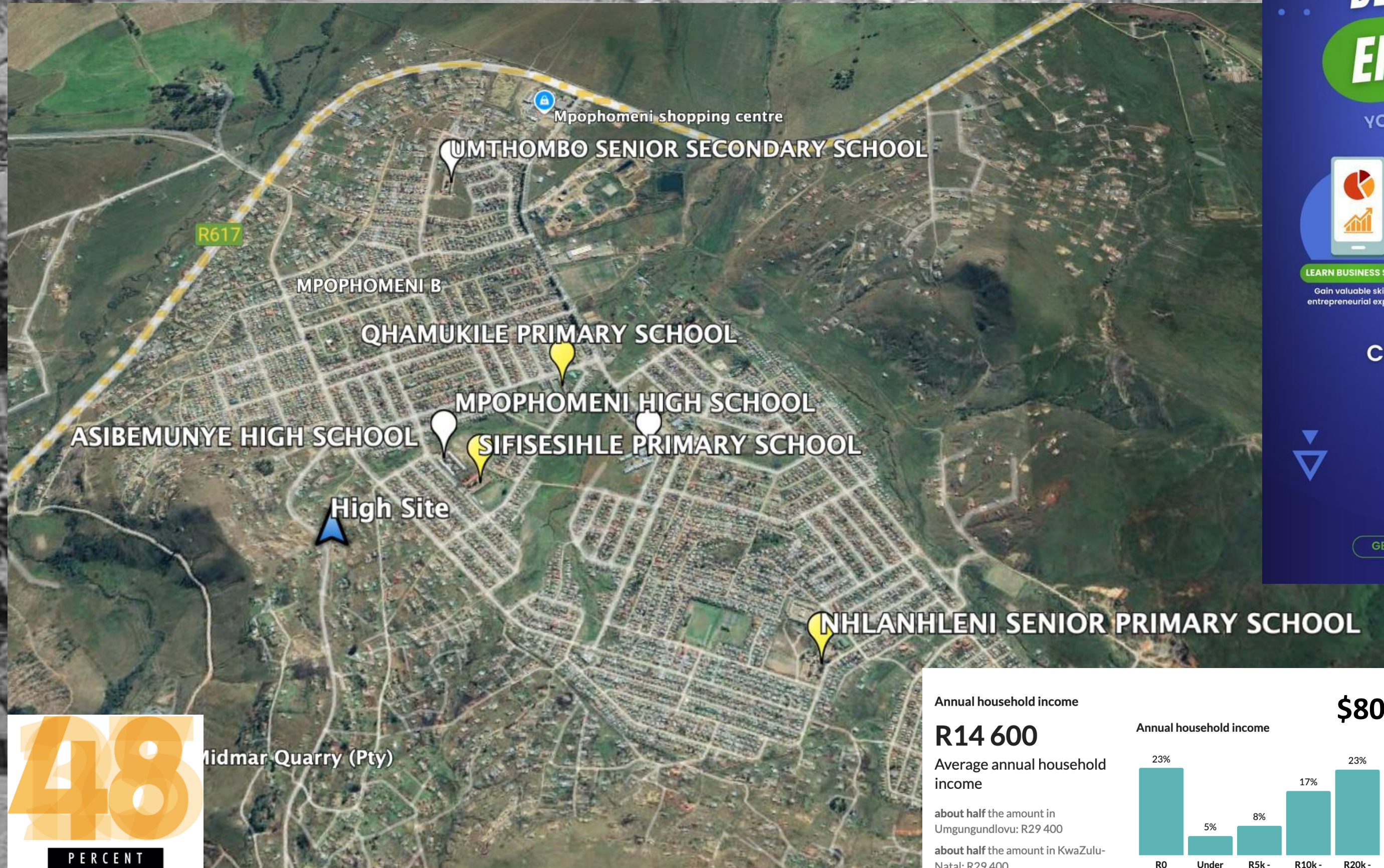
These are averages for the whole African continent. Of course, as these singular examples demonstrate, there are great regional variations. In South Africa, for example, the Progress in International Reading Literacy Study (PIRLS) showed that **78% of Grade 4 children** cannot read a text for meaning – the worst of the participating countries. This statistic forms a stark contrast to **35% in Iran, 13% in Chile, 4% in the USA, and 3% in the UK**. The number of out-of-school children, in fact, increased by 0.9 million in Central Africa, while it remained stagnant in Eastern and Southern Africa.

The global goals set by multilateral agencies could spur action among African governments to renew their focus on access and quality in education. However, there is little evidence to suggest that the end date of 2030 for the achievement of the SDGs will be met. **Current data suggests slow progress on some indicators, little progress on others and even regression on most of the SDG targets.**

So, what is to be done?



• The Community Network Solution



48
PERCENT

BECOME A WIFI ENTREPRENEUR

YOUR COMMUNITY NEEDS YOU!

LEARN BUSINESS SKILLS
Gain valuable skills and entrepreneurial experience

EARN EXTRA INCOME
Turn your passion for connectivity into profit

EMPOWER YOUR COMMUNITY
Provide people happiness and access to the digital world.

CONNECT | LEARN | EARN

Connect with Us:
Lihle - 072 751 2291

Learn the Basics:
Attend our FREE WiFi Reseller Workshop.

Start Earning:
Resell WiFi and make a difference.

[GET STARTED](#) [WICAN.VULACOIN.COM](https://wican.vulacoin.com)

Annual household income

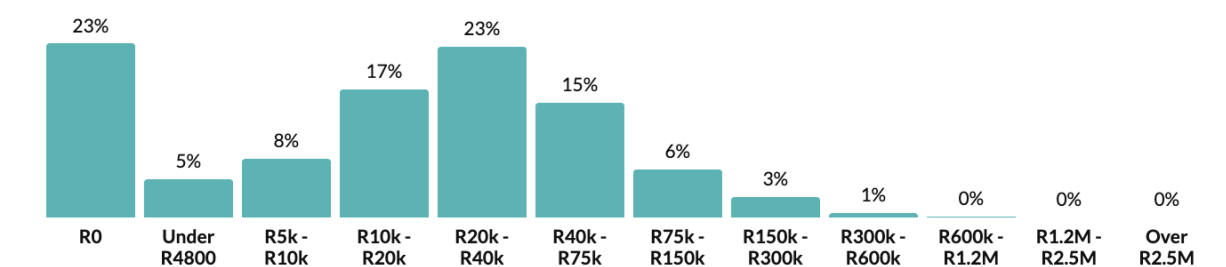
R14 600

Average annual household income

about half the amount in
Umgungundlovu: R29 400

about half the amount in KwaZulu-
Natal: R29 400

Annual household income

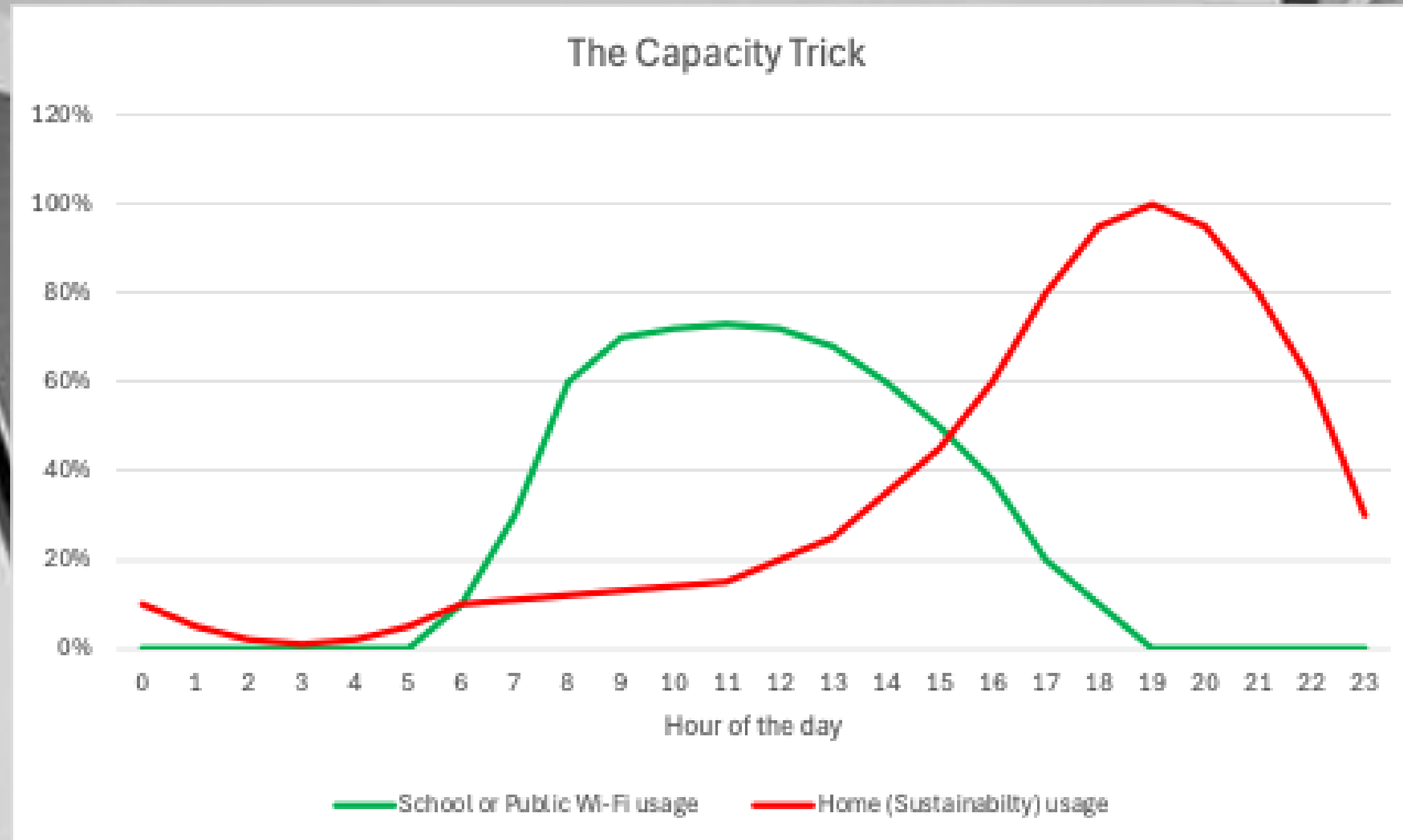


Source: Census 2011

\$80 per month

Chart Options

- Bandwidth sizing



Size for the evening
sustainable bandwidth
demand

Schools access free

Mpophomeni Wi-Fi Project Isizwe Impact Report

Sales report

18 Aug 2024 - 17 Sept 2024

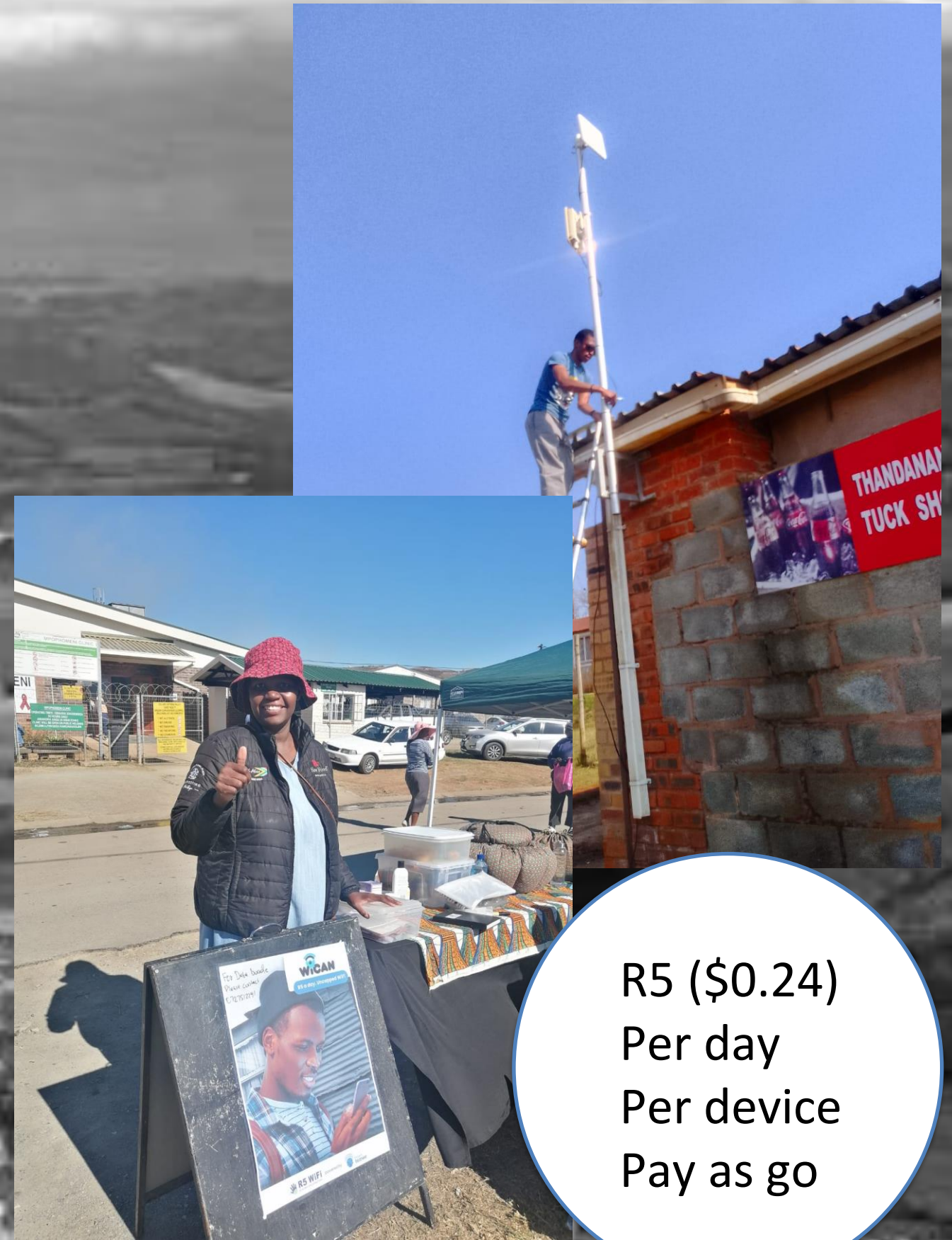
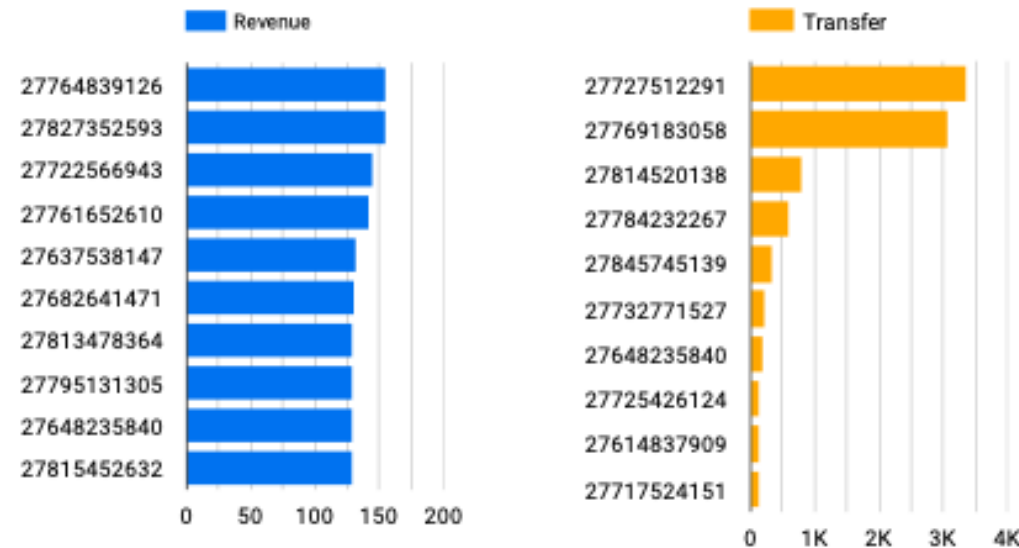
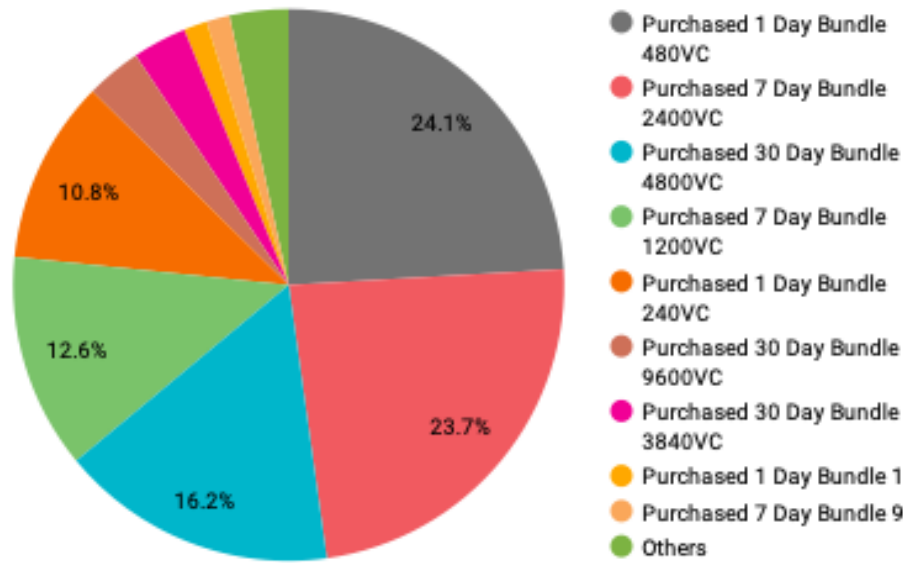
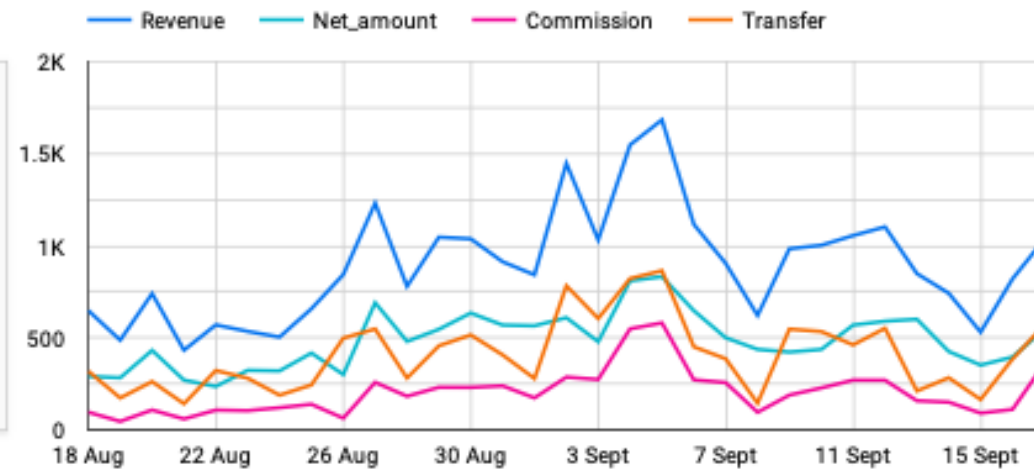


Revenue **27,738.66** ↑ 26.1%
Location **155** ↑ 52.0%
Client **615** ↑ 42.7%
ARPLocation **178.96** ↓ -17.0%
ARPUUser **45.1** ↓ -11.6%

Net_amount **15,018.8** ↑ 29.9%
Commission **6,312.5** ↑ 61.5%
Transfer **4,043.2** ↓ -10.7%
Internet cost **9,000**

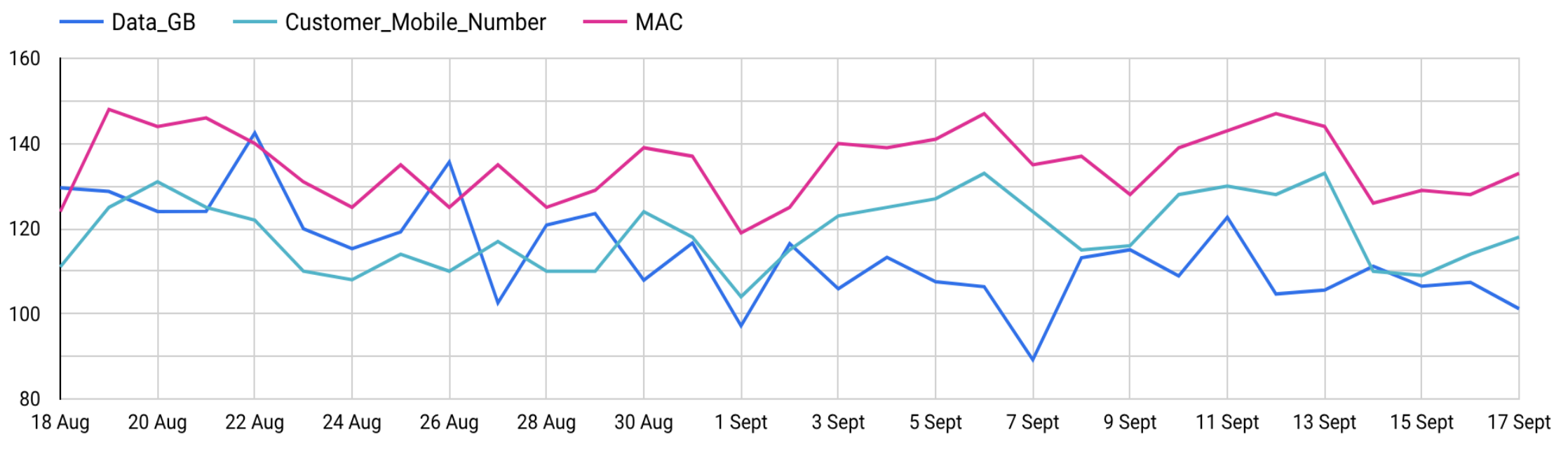
Home Extender
Revenue **15,250.76** ↑ 48.6%
Location **116** ↑ 50.6%
Client **303** ↑ 55.4%
ARPLocation **131.47** ↓ -1.3%
ARPUUser **50.33** ↓ -4.4%

Public WiFi
Revenue **12,487.9** ↑ 6.5%
Location **39** ↑ 56.0%
Client **363** ↑ 34.9%
ARPLocation **320.2** ↓ -31.7%
ARPUUser **34.4** ↓ -21.1%



R5 (\$0.24)
Per day
Per device
Pay as go

Mpophomeni Case Study



School Learners (Free)

Data_GB

2,209.87

↑ 53.5%

Total amount of data in the period

Customer_Mobile_Number

872

↑ 38.9%

Unique beneficiaries in the period

Paying users

Data_GB

3,542.71

↓ -15.5%

Total amount of data in the period

Customer_Mobile_Number

432

↓ -0.2%

Unique beneficiaries in the period

	90% population	100% population
Per person	Low Income suburb	Leafy Suburb
Monthly Data usage	8.2 GB	40 GB
Daily Data usage	0.85 GB	1.3 GB
Days access each month	10	30

● Numbers for Internet cost

100 Mbps
Internet
access to the
school

\$200

✗ too expensive for on selling

\$100

✓ Good for community on
selling

\$35

Fibre pricing

— Do not allow on
selling

• What have we learnt?

1. Communities have the ability to connect themselves

2. They need strong guidance and direction of how to

- Equipment list (preconfigured)
- Ready built systems
- Central network operation centre
- Strong monitoring and measurement
- Follow strong operational structure



3. A home does not need more than 5 bedrooms or 100 Mbps

- If it does it is not a home

4. Investors are concerned about capacity constraint of Wi-Fi

- Allocate all 6 GHz to Wi-Fi outdoor use.
- More than 50% of African homes will have fixed broadband within next 5 years

Thank you



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www.projectisizwe.org