

# Revolutionizing African Agriculture

By using Internet and ICT tools



## SkaiSAT: A high Performance Satellite Internet Broadband Service

- Small Antenna so its easy to install and maintain: Antenna sizes starting from 74cm, 90cm, 120cm onwards
- Packages to suit all verticals including SME, Enterprise, NGO, Governments.
- Full coverage of Zambia
- Flexible Service and contract offerings
- Connecting to Tier-1 internet
- Seamless connectivity to all iSAT Africa point of presence world wide to create high performance and secured VPN link.

## Examples of some package offerings

Package Type	Bandwidth	Download	Dedicated/ Shared	Add ons
SME	10mb- 25mb	10GB to 300GB per month	Shared	Free downloads during off peak and night hours
Enterprise	25mb-50mb	Unlimited	Shared	NA
Customs	1mb – 100mb	Unlimited	Dedicated	NA
Pool or VNO	Any bandwidth >20mb	Unlimited	Dedicated	NA

## Special Features for ISP or Enterprise with multiple sites

- Create Pool bandwidth or Virtual Network Operator way of allocating and managing bandwidth.
- Partner’s branding and full control to partner.
- Retain and bill your customers
- Offering full CRM including Billing and ticketing portal with partner’s branding.
- Financing options for network and customer equipment for long term agreement.
- Training partner’s team and establish local monitoring station.

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### Challenge:

Zambia has good coverage of 4G-LTE country wide. However some subscribers can not access high speed services due to

1. High distance from Tower
2. Hilly terrain or high vegetation
3. High building in metropolitan areas
4. Many walls in house or work areas that does not allow signal penetration.
5. RF Blackspot with no or low penetration making link not work or not reliable.

### Solution:

iSAT Africa had developed solution using high performance routers and high gain Antennas to overcome challenges of distance and no penetration. Outdoor Antenna makes signal quality to improve and allow subscribers to get connected.

### Solutions for All

CPE Code	CPE Description	Coverage	Application
CPE-LTE-01	Indoor Router with 4dbi Antenna with wifi inbuilt	Metropolitan and suburban	Penetration in buildings.
CPE-LTE-02	outdoor Router with 5dbi Antenna with wifi inbuilt	Metropolitan, suburban and Rural	Medium distance and penetration
CPE-LTE-03	1mb – 100mb	Unlimited	Dedicated
	Outdoor Router with 14dbi Antenna with wifi inbuilt	Metropolitan, suburban and Rural	High distance and penetration

### Reason:

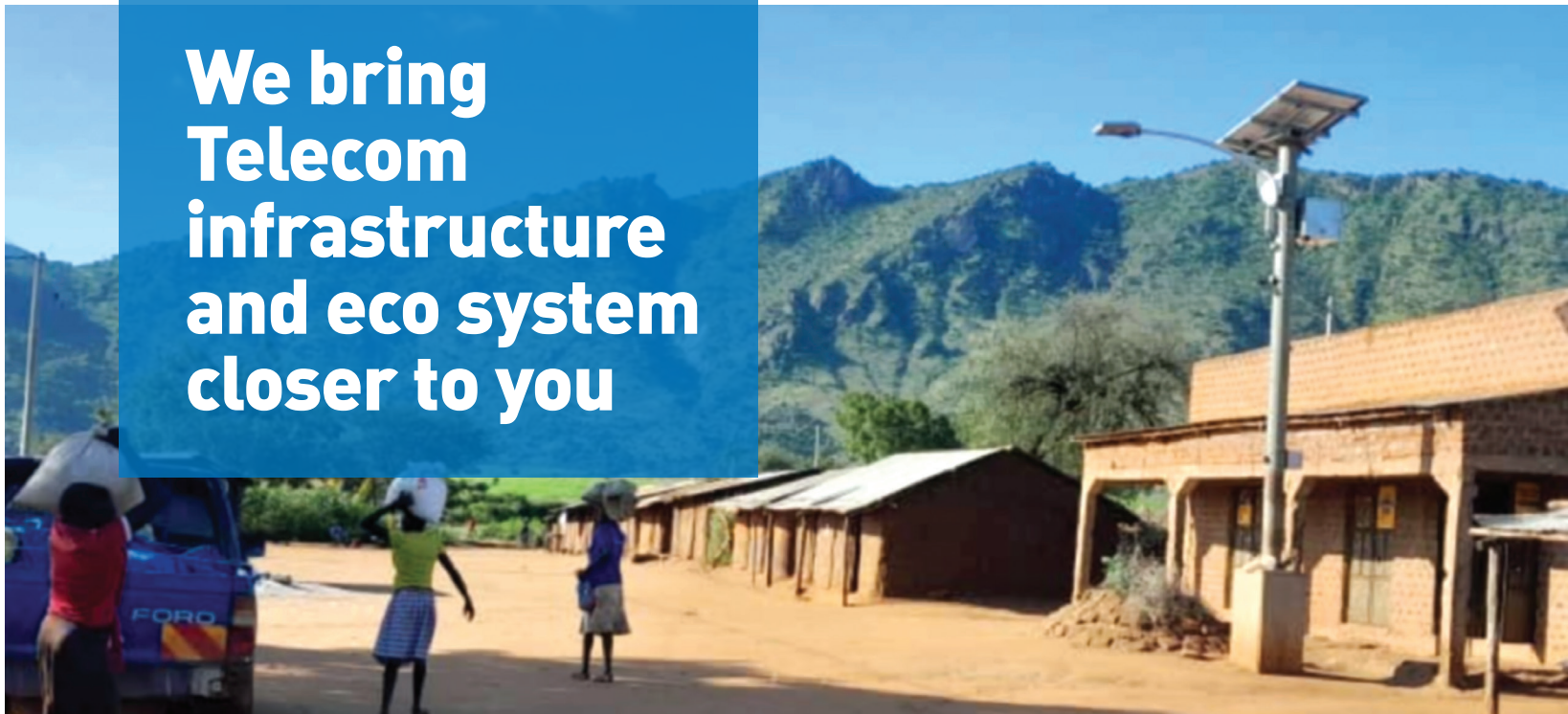
Only reason for all different challenges is low signal due to distance or hinderance.



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# We bring Telecom infrastructure and eco system closer to you



## Challenge:

Rural connectivity covering villages and farms in Africa undergo following challenges

- Power availability
- Backhaul connectivity to nearby towers
- No Business case due to High capital requirements
- High operating expenses due to maintenance and security
- Services distribution to rural areas.
- High Cost of Handset
- Charging the handset areas have no power.

## Who can take benefit:

iSAT Africa is fully licenses in Zambia to offer 2g / LTE solutions and works closely with licenses mobile operators in Zambia to offer full turn key solution so subscribers can use services with same quality in metropolitan areas.

- Farming / sugar / mining / oil companies having offices in rural areas
- Local Govt / NGO / Social or Religious organisations working to bridge digital divide.
- Local communities can own infrastructure
- Donor agencies / Corporates with CSR funds.

## Local Kiosk with charging station



## Solution:

iSAT Africa had developed rural solution using

- low power equipment that can work with Solar power or customer ( farmer, mining company office) supplied power.
- Solution does not need very high tower and covers whole village / work area.
- Low capital requirement with all latest technical features.
- Low Operating expenses as no generator required.
- Local Franchise model to support local communities to get trained on maintenance, distribution of services.
- Developed Solar charging stations for franchise to offer charging handsets as a service.
- Tie up with leading handset manufacturers to offer low cost equipment for Africa.
- High speed satellite makes connectivity possible in any area.

## Rural site in Zambia



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