

RURAL CONNECTIVITY



Based on Proven Technology to Meet the African Market Needs

iSAT Africa, is a UAE based company with operations in UAE, Kenya, Tanzania, Uganda, Malawi, DRC, Nigeria and Zambia. iSAT Africa is a fast-growing telecom solutions provider across Africa.

iSAT Africa has teleports in Kenya, Tanzania, Zambia, Uganda, DRC, South Africa, Nigeria as well as United Kingdom and Italy. iSAT Africa also has Fiber POP's in Kenya, Tanzania, Uganda, Zambia, Malawi, South Africa, Nigeria, United Kingdom, Djibouti, United Arab etc.



Business case

- High capital expenditure
- Macro Cell, Shelter, AirCon, Diesel Generator and Tower
- High operational expenditure
- Power, fuel and dedicated satellite backhaul

Feasibility

- Lack of reliable power source
- Lack of reliable backhaul

CHALLENGES

SOLUTIONS

Optimal Utilization of Resources

- Renewable energy - Solar
- Low maintenance
- Satellite provision by iSAT on retainership basis
- Other equipment on rental basis
- Distribution via local network providers

Customization & Wind Tolerance

- Network providers are free to create their tariff cards
- Increased connectivity even during times of distress - power cut, winds, etc.

ADVANTAGES

Low Cost

- Low power consumption - Solar power
- No power or fuel bill
- Low satellite bandwidth cost

- On-demand, optimized compression
- Light weight - Low cost pole
- Fully outdoor - No shelter/AC required

High Performance

- High Transmission power
- Wide coverage
- IP and TDM traffic
- Diameter & CAMEL-ready for prepaid
- Real-time charging protocols
- Local switching for customer
- Experience and bandwidth optimization

Hassle-free Deployments

- No heavy equipment needed to install, nor shelter to protect it.
- Hand-carried, tower-mounted base station
- Direct connection of antennas to the unit - external RF components not required
- Easy to connect to any IP-based satellite backhaul



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