



Making Networks Better for Rural Connectivity



UltiNetS Company Background

UltiNetS – What we do

Rural Connectivity Products and Services



UltiNetS Company Background

Registered in Malawi and USA.

Founded by Technology Enthusiasts.

- Richard Chisala, Executive Chairman (ex. Intel, BBC & Siemens AG)
- Thomas Zgambo, CEO (ex. Polaroid & GIT)

More than 20 years of world class professionals, highly trained and experienced engineers

- Seeded in UK and USA in Internetwork and Telematics



UltiNetS - What we do

We are a technology driven company with expertise in providing innovative, advanced Internetworking and Cloud based Technology Consultancy Services and Solutions to businesses and individuals.

These real world solutions allow businesses to successfully respond to the constantly increasing demands of the local and global marketplace and capitalize on technological changes that are forever becoming part of our society.



UltiNetS - What we do

We design the ultimate transport infrastructure and enabling services for our clients to communicate and transfer technology. “In other words Internetworking platform for current and emerging services.”

We also Provides all of the technologies needed to maintain a business-class virtualised/cloud infrastructure through a set of easily integrated, scalable services.

Results: Faster Performance, Better Reliability, and Greater Savings



Rural Connectivity Products and Services

Target uses

- **Deployments in low resource environments**
 - no / unreliable / expensive power grid
 - ongoing operations cost is a major constraint
 - limited skill set of users and administrators
 - no environmental control systems (air conditioning, dust, humidity)
- **Examples of low resource environments**
 - rural and remote areas in developing nations
 - peri-urban areas around cities
 - sometimes in cities as well - mainly where power is a problem



Rural Connectivity Products and Services

Goals

- Useful
- Affordable
 - Low up-front costs
 - Low on-going costs
- Sustainable
 - Reliable
 - Resilient
 - Maintainable
- Flexible
 - Range of uses
 - Range of environments
 - Range of power-sources
 - Where to spend your \$5500?



Rural Connectivity Products and Services

UltiNetS solutions - common design goals

- **Hardware**
 - **Low-Power = lower cost of power systems (solar, battery etc.)**
 - **12/24/48 VDC**
 - **Target of 30 Watt or less per system**
- **Rugged = longer live span**
 - **no or very few moving parts**
 - **less maintenance**
- **Software**
 - **Stability = less maintenance, less trips into the field**
 - **virus resistant, tolerant to end-user mistakes**
 - **Requires less resources = lower cost, lower power**
 - **reduced hardware requirements**
 - **Easy to use = lower cost**
 - **reduce the need for administration and management**



BASIC NEEDS FOR HUMAN SURVIVAL

Fast, reliable and affordable ACCESS for VIABLE cloud services



Water



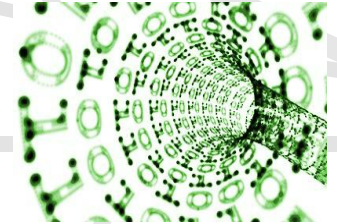
Food



Fire



Shelter



Connectivity

Communication – the demarcation of membership into the 21st century