


 A background image showing a dense array of fiber optic cables with bright light points at their ends, creating a starburst effect against a dark blue background.

Connectivity.

The unseen power behind your network.

Overview

Telecommunications is all about enabling people to communicate however and whenever they like. Behind the scenes are always people and companies who understand technology, who know how to design, build and manage the complex networks of wires, fibres, wireless links and devices that form the core of communications. Umoya Networks is such a company. We understand what technologies are appropriate for which situations and needs. We know how to get one type of technology to work with another. We make the complexities of the technology into a simple service. You just have to decide how you want to communicate and where. We take care of the rest.

Your Needs

Whether you need a satellite link between Durban and Dar es Salaam, a reliable Virtual Private Network between 100 different South African towns or a fibre or broadband wireless link across town, Umoya can supply. Umoya have deployed VSAT solutions for Disaster Management, with interlinked IP PBXs and application servers for call centres. We've implemented fibre networks for Cape Town Metro Police, mobile voice and data solutions for sporting events such as the Cape Argus to LAN networks and services at all the weighbridges in the Western Cape. Umoya has rolled out Internet connectivity to thousands of Gauteng schools over the past few years using a mix of VSAT and wireless technologies.

We are in the process of providing IP Video streaming over VSAT for international media organisations, allowing vast improvements on bandwidth efficiency on TV broadcasts. We have been tasked with extending the Emergency Services TETRA network using VSAT.

Technology

We build LANs; from cabling, to switches and access points to routers and servers. We connect those LANs using WAN technologies such as VSAT, optic fibre, leased lines, Metro Ethernet, ATM, MPLS, point to point microwave radio. All in a days work. But there are two specific areas where we find our skills are sought after, VSAT and wireless.

VSAT provides the ideal solution where many remote sites need to connect to a central location and there is a requirement to dynamically allocate bandwidth and traffic across all sites. Uptime on VSAT services is renowned to be high, which makes it ideal for services where reliability is non-negotiable and latency not as critical. Umoya has successfully deployed VoIP services over VSAT debunking the myth that VSAT cannot be used for real time applications.

Microwave Radio is ideally suited for point-to-point high speed, low latency links. Umoya have deployed a number of these for customers, linking regional hubs to a central location.

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Radio Frequency technology is fraught with problems of interference from other RF sources and issues such as rain-fade, which take careful planning and management to ensure reliability. When choosing a partner to implement RF solutions, experience counts.

Where reliable wireline point-to-point links are needed between various sites, we make use of carrier services from larger ECNS licensees. We take care of ordering, provisioning, configuring and commissioning the equipment to ensure these services meet your requirements.

Our voice solutions are based on IP PBXs (e.g. Asterisk, Cisco).

Features

Umoya networks are:

- Well designed
- Corporate-class
- Resilient
- Robust

Benefits

- Low cost in terms of Total Cost of Ownership.
- Reliable - higher uptime, less risk.
- Value for money.
- Quick to deploy.
- Available with a single point of contact (and accountability) for all technologies .

Service

- We listen to your needs and try to probe for some you may not have seen yet.
- We assess your situation and the options open to us and balance quality with budget.
- We design the network with care.
- We can provide you with a project plan to sign off.
- We take care of liaison with all suppliers and service providers on your behalf.
- We implement the design, taking pride in our work.
- We only hand the network over to you when we're sure it is working as intended.
- A Service Level Agreement ensures peace of mind.
- We support you as promised.
- ISO 9001:2008 accreditation pending.

Why Umoya

The Umoya team believe that success is a journey not just a destination. We are competent professionals; passionate people, people of integrity whose word is our bond. The team is always up for new challenges in finding appropriate technological solutions to our customer's needs.

About Umoya

Umoya is licensed ECNS (Electronic Communications Network Service), a member of ISPA (the Internet Service Providers Association) and Unashamedly Ethical. Umoya is proud to list the likes of Cape Town Metro Police, PCT (Process Control Technology), Emergency Services, Department of Agriculture, Cape Argus Cycle Tour, Cape EPIC Mountain Bike Race, Department of Health, Disaster Management, Department of Public Works and Transport and the City of Johannesburg as customers.



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