



Radiowave Communications Limited is one of the leading providers of Wireless & Navigation, Voice and Data solutions in Tanzania with over 15 years of experience and a proven track record with several major corporations, government organizations, NGOs, medium and small sized companies.

Over the years, we have mobilized the expertise, networks and partnerships with leading brands, suppliers and providers of mining, oil & gas communication solutions worldwide and have been at the forefront in bringing these services to the local Tanzanian market. We therefore offer a range of professional services and flexible solutions, from design & implementation to maintenance support & repairs.

We have a highly skilled professional workforce that has been trained to understand the communication and tracking needs of mining, oil & gas companies (onshore or offshore).

***With our professional team and quality tools & equipment, we have the capacity to design, develop, install and commission reliable, effective and efficient mining solutions on any scale***



At Radiowave Communications Limited, we understand that one of the most consistent challenge within the mining and oil & gas industries is how to maximize operational productivity to achieve production quotas while at the same time keeping every person on site safe always.

## INTRINSICALLY-SAFE TWO-WAY RADIOS



An Intrinsically safe portable radio that has been designed to the correct standard can provide all the features and performance of a non-Intrinsically-Safe model.

In addition to these features and performances, it also has several enhancements and methods of protection to prevent explosions.

These include:

- Full encapsulation of battery circuitry to prevent electrolyte ingress in the unlikely event of a cell rupture,
- use of anti-static material for the battery case and
- stored energy limitation in the radio circuit,
- prevention of internal sparking or overheating,
- component and conductor spacing to prevent short circuit caused by dust or atmospheric contamination.

## Motorola APX™ P25 Series Radios



Mission-critical radio products, purpose-built for First Responders and organizations who cannot compromise on their communications.

Motorola's legendary APX™ series of two-way radios combines sophisticated technology with incredible toughness and precise ergonomic controls.

The broad portfolio includes everything from affordable single-band mobiles and ultra-rugged firefighter radios to sophisticated portables with GPS, Wi-Fi and Mission-Critical Bluetooth functionality.

All APX™ P25 Series Radios are certified to the APCO Project 25 (P25) digital two-way radio standard, and offer guaranteed interoperability with other agencies and organizations using P25.

## Kenwood Intrinsically-Safe & Non-Incendive Radios



Kenwood offers a comprehensive Intrinsically Safe and Non-Incendive product offering including VHF, UHF, 700/800, 800 and 900MHz models to cover all Intrinsically Safe (IS) & Non-Incendive (NI) classes, divisions and groups.

To meet this demand KENWOOD has drawn on its extensive experience, its acclaimed technologies, and an expert analysis of the mining, oil & gas industry needs to develop Intrinsically-Safe radios.



This innovative digital solution satisfies the most stringent requirements of today's mission-critical radio users roles with flawless performance and advanced feature sets.



## OTHER MINING, OIL & GAS COMMUNICATION SOLUTIONS

### MOTOROLA – MOTOTRBO



# MOTOTRBO™

You can achieve a real-time view of your materials inventory and movements with continuous reconciliation. This solution enables you to minimize variations from your mining plan which in most cases cause delays and slow production.

MOTOTRBO digital two-way radio solutions provide you with the visibility that you need for your staff's location and enable you to ensure that they can communicate always.

You can achieve a real-time view of your materials inventory and movements with continuous reconciliation. This solution enables



Motorola Solutions' culture of innovation supports mining and oil & gas industries with mining communication solutions that enable true operational mobility in the field - with safety placed firmly as the number one priority

The MOTOTRBO radios have been carefully engineered to address workers' needs and offer the ultimate in safe, reliable and efficient communications in hazardous environments.

## CAMBIUM NETWORKS – WIRELESS & BACKHAUL SOLUTIONS



### Cambium Networks

Cambium Networks wireless & backhaul proven Point-to-Point (PTP) series solutions are deployed worldwide, serving highly critical applications in formidable environments for the world's most demanding users.

With best-in-class real-world performance and FIPS 140-2 approved security available for government and military applications, the PTP series is your connection to what matters, no matter what.



Cambium Networks' hardware and software have legendary reliability built in and are backed up by Dynamic Spectrum Optimization that lets your network weave around heavy interference.

With proven efficacy over 245 km, Cambium Networks PTP series are the tools of choice for ultra-long-range connectivity. Whether connecting a mobile command center, or your access network, distance is no longer a barrier. The PTP series is the right choice when you need a network you can depend on.



## KENWOOD – NEXEDGE

# KENWOOD

Listen to the Future

# NEXEDGE™

The process of mining, tunneling and quarrying also presents a harsh operating environment where it is of critical importance that equipment used can withstand extreme temperature, dust, noise, moisture and toxic exposure.

Kenwood can offer a wide variety of highly flexible digital radio systems delivering voice and data capabilities to the mining sector, from the infinitely scalable trunked network capabilities of NEXEDGE® NXDN to NEXEDGE® dPMR and Kenwood DMR.



NEXEDGE® NXDN can also incorporate a host of advanced features including personnel and vehicle tracking, monitoring of water levels, access control, pumps, surveillance cameras and PLC (Programmable Logic Controller) equipment.

Kenwood - NEXEDGE® two-way radio systems help operators to achieve greater efficiencies while enabling the implementation of robust safety standards through instant, fail-safe communications in voice and data to monitor and manage information and resources - vital in the event of an accident or major incident.

Mining operations are increasingly migrating from analogue to digital two-way radio communications and from base station & hand portable systems to application driven trunked two-way radio solutions.

## ZETRON: MISSION-CRITICAL COMMUNICATION SYSTEMS



MISSION-CRITICAL COMMUNICATION SYSTEMS



Zetron has been designing, developing, manufacturing and implementing mission-critical communications solutions for public safety, transportation, governments, utilities & resources.

These systems include

### ***Integrated Command & Control (AcomNOVUS)***

AcomNOVUS serves at the center of complex dispatch operations throughout the world. It delivers high availability, customization, interoperability, and end-to-end redundancy in an enterprise-class server architecture that supports the full use of IP technology.

### ***Radio Dispatch***



Zetron radio dispatch console systems are known for their reliability, interoperability, ease of use, and configurability. Regardless of the scope and size of your operations, Zetron has a dispatch console to support them.

### ***Emergency Call-Taking (MAX Call-Taking System)***

The MAX Call-Taking system's intelligent user interface (UI) is expressly designed to streamline and simplify operators' tasks, reduce distractions and fatigue, and improve operator efficiency. MAX Call-Taking is designed to evolve to meet NENA standards as they are finalized.

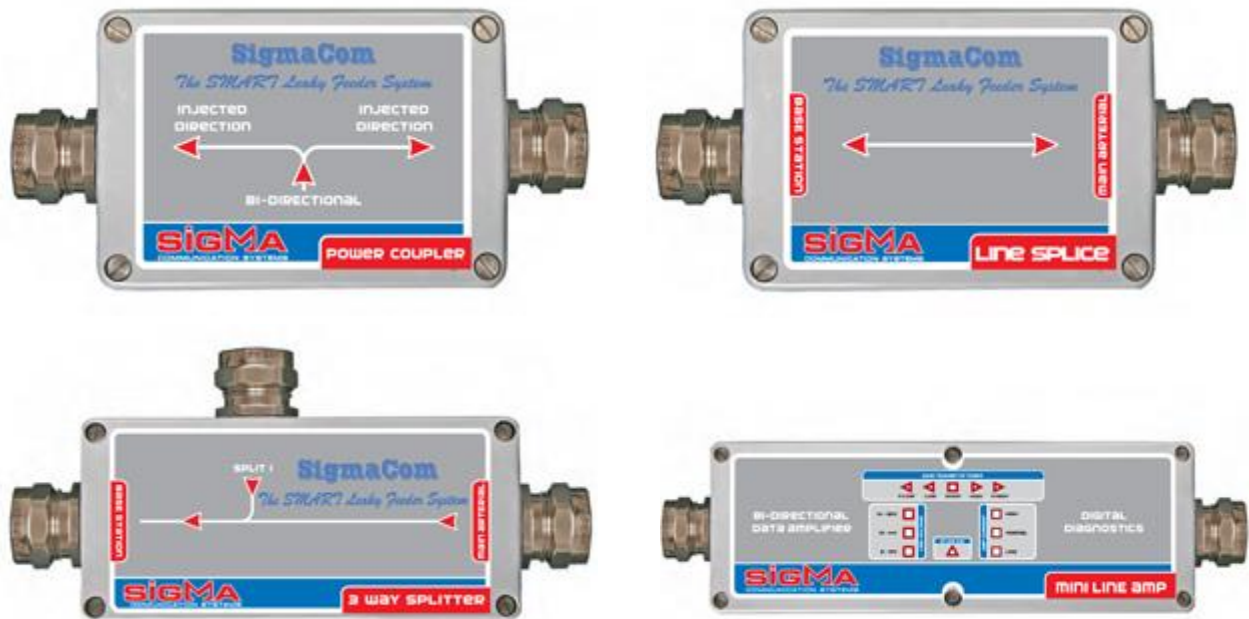


## SIGMA COMMUNICATIONS SYSTEMS

**SIGMA**  
 COMMUNICATION SYSTEMS CC

As a transparent form of communication, from radio to radio, telephone to radio, data modern equipment to PC, the Sigma Communication Systems range of leaky feeder systems offers fully flexible options to suit your operations.

Sigma Communication System's line amplifiers, line splices, stopes antennas, power couplers and smart-tune VHF line amplifiers allow for consistent and efficient communication channels while in the mines



## LEAKY FEEDER



This is a communications system that is used in underground mining and other tunnel environments. The leaky feeder communication system consists of a coaxial cable that runs along tunnels or underground mines which emits and receives radio waves thereby functioning as an extended antenna.





## RADIOWAVE COMMUNICATIONS LIMITED

### ARUSHA HEAD OFFICE | DAR ES SALAAM SALES CENTRE

<p>Kwa Ngulelo Area, Behind Puma Fuel Station</p> <p>Tel: (255) 776 222 000</p> <p>Hotline: (255) 784 531 153</p> <p>Email: sales@radiowave.co.tz</p>	<p>Ali Hassan Mwinyi Road, Junction to Ruhinde Street, Mbuyuni Bus Stand</p> <p>Tel: (255) 22 266 6038</p> <p>Hotline: (255) 772 775 775</p> <p>Email: salescentre@radiowave.co.tz</p>
---	--

[www.radiowave.co.tz](http://www.radiowave.co.tz)