



Lazer Buwa (Pty) Ltd t/a
Lazer Communications

PROVIDING COMMUNICATION SOLUTIONS SINCE 1991

Company Profile

From our C.E.O

*"The carefully balanced combination of knowledge, the innovative approach to communications, and the experience in work, both local and in international partnerships, enhance **Lazer Communications** capabilities to effectively create, modify and enhance the communication needs of our clients."*

L.W. Coetzee

VISION

With the loyal support of hundreds of satisfied clients and thru exceptional client service in all aspects of radio and data communications, we will strive to add to our client portfolio as well as our extensive knowledge base and will thru pre-eminence in our chosen field grow into the best radio communication service provider in South Africa.

COMPANY INFORMATION

Lazer Communications was established in 1991 in the town of Rustenburg, North-West province, South Africa. That small company has, with the vision, determination and leadership of C.E.O. Leon Coetzee, grown from strength to strength to be one of the leaders in the radio communications industry and has being honored throughout the years with distinguished awards in sales and service quality.

Lazer Communications have a staff compliment of 25 service orientated employees and have branches in Rustenburg as well as Randfontein.

The radio repair workshops of both branches are staffed with trade tested personnel and radio repairs are done on component level.

All technical personnel are trained in their respective tasks and with theoretical and practical experience that runs up to C.E.O. level. Lazer Communications has a combined knowledge base that spans 70 plus years.

MISSION

Lazer Communications mission is to become a market leader by consistently exceeding our customer's expectations, providing them with the best technology and solutions for voice and data communications.

We will continually communicate with, and learn from our customers, in order to improve our services.

We will keep on top of today and tomorrows technology, no matter how fast it moves, to ensure our customers always have the best communication systems available to them.

LAZER COMMUNICATIONS

YOUR COMMUNICATIONS SPECIALIST

Lazer Communications provides total communications solutions to the industry, Nationwide, concentrated in the North West Province of South Africa and Sub Sahara Africa

OUR SERVICES

- Airband (Aviation) Radios
- Avigilon Camera Solutions (CCTV Networks), Analytics
- Cell Signal Enhancers
- Conference Systems for Boardrooms
- Emergency and Panic signaling (Women in Mining)
- Equipment Enclosures
- Masts, Towers and self-supporting Lattice
- PA Systems
- Project Design and Engineering
- Radio Rentals
- Rajant Kinetic Mesh Systems (Broadband)
- Repair and Service Centre
- Satellite Telephones
- Solar Systems with Backup battery solutions
- Telemetry Systems
- Trunking Networks
- Two Way Radio Systems (Digital/Analogue)
- Underground Communications Systems (Leaky Feeder)
- Underground Telephone systems
- Wireless Solutions

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OUR PRODUCTS

- Motorola MOTOTRBO™ Solutions (Digital/Analogue)
- Kenwood and Nexedge
- Hytera
- ICOM
- Vertex Standard and Digital
- Tait
- Zartek
- RTS – Midband
- PBE Leaky Feeder Systems
- Rajant Kinetic Mesh®
- Avigilon Solutions
- Ahuja Conference
- MiPro
- Webb
- Meanwell
- Amplitek
- Deltec



KENWOOD



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ANALOGUE VS DIGITAL SYSTEMS

Analogue Two-Way Radios

Analogue Two-Way Radios have been used for business applications as far back as 1933 and they were originally placed into service by the U.S. military 20 years before then. Today Two-Way Radio Technology is so widespread; it has become nearly as common as a household appliance. This time-saving communications tool has now become a favourite choice for commercial, industrial, military and even personal use.

Digital Two-Way Radio Systems

Offering advantages such as a lower total cost of ownership, customizable coverage and features and a simple and reliable implementation makes analogue two-way radios the clear choice for the vast majority of large organizations/enterprises with highly mobile workforces.

However, this technology has reached the limits of its innovative life. Analogue two-way radio has limited battery life, degrading voice quality near at the edge of coverage and lacks integrated data applications. Additionally, as analogue radio users reach their licensed spectrum capacity, crowding the interference occurs. These users can easily justify migrating to the digital technology because they need clear, unbroken, reliable communications.

Digital radio offers many advantages over analogue, including improved voice quality at greater range, better privacy, sophisticated call-control features, the ability to easily integrate with data systems and more. We're now at the beginning of what will quickly become a large-scale migration to digital radio in professional applications. At the same time, regulatory pressures combined with real-world operating needs are driving radio manufacturers and users to communicate more information in a given slice of RF spectrum - in other words, to increase "spectral efficiency."

Channels that historically carried a single call at a time are now being divided so they can carry two.

Two technologies exist to enable this "splitting" of channels, allowing multiple access on a single channel.

Frequency-Division Multiple Access (FDMA) splits the channel frequency into two smaller sub-channels that can carry separate calls side-by-side. **Time-Division Multiple Access (TDMA)** preserves the full channel width, but divides it into alternating time slots that can each carry an individual call.

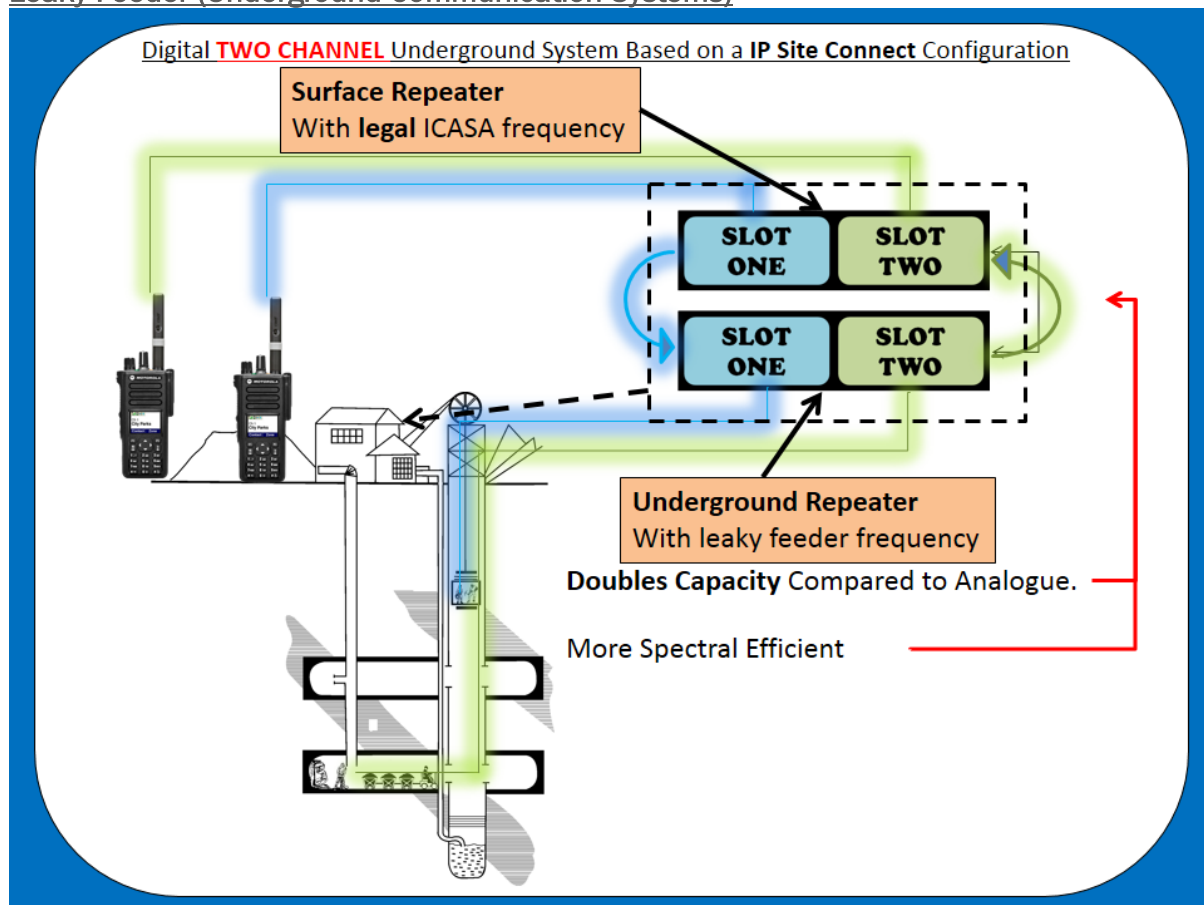
With potential benefits including increased capacity, lower equipment costs, data integration, added features, and more, now is a compelling time for analogue radio users to make the switch to digital systems that offer 6.25 kHz equivalency.

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UNDERGROUND SYSTEMS

Leaky Feeder (Underground Communication Systems)



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TRUNKING RADIO SYSTEMS - FLEETCALL

Altech Fleetcall is the leading, commercial, ICASA-licensed, radio trunking network operator in South Africa and has been in operation since 1994. Altech Fleetcall is a provider of trunking solutions for a number of verticals, including but not limited to the transport, mining, security and emergency services industries. The company provides airtime services for wireless voice and data communication for telemetry, dispatching, alarm monitoring, fleet management, security and several other voice and data applications.



**24/7/365 national
network coverage.**

We are everywhere.
And even in a few places no one
else can go. **Interested?**



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RAJANT KINETIC MESH NETWORKS

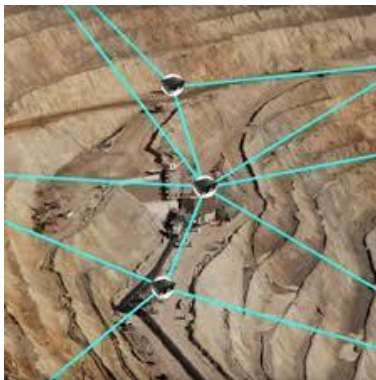
Rajant Kinetic Mesh® networks are unlike any other wireless mesh network offering on the market today, providing fully mobile wireless broadband connectivity that is simple, instantaneous, and fail-proof in any application—a “living” mesh solution that moves and evolves with your connectivity demands.

Through its patented Kinetic Mesh® network, Rajant brings to life extremely agile and adaptable wireless mesh networks and a broadband solution that thrives in today’s diverse, ubiquitously mobile environments:

How It Works

Using a combination of [BreadCrumb®](#) wireless network nodes and [InstaMesh®](#) networking software, Rajant Kinetic Mesh® networks employ any-node to any-node capabilities to continuously and instantaneously route data via the best available traffic path and frequency—for any number of nodes, all with extremely low overhead.

Rajant BreadCrumbs can communicate with any Wi-Fi or Ethernet-connected device to deliver low-latency, high-throughput data, voice and video applications across the meshed, self-healing network.



BreadCrumb



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AVIGILON SOLUTIONS (CAMERA SYSTEMS)

Definition: To be perpetually alert and watchful

Avigilon, a Motorola Solutions company, designs, develops and manufactures solutions in video analytics, cloud, security cameras, video management software and hardware, and access control.

Avigilon is an industry leader and, together with Motorola Solutions, provides integrated solutions for video security, access control and critical communications.

avigilon™
a Motorola Solutions Company



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OUR CLIENTS

- Anglo Gold Ashanti Limited
- Anglo American (Platinum Limited)
- ArcelorMittal Liberia Ltd
- Assmang Limited
- Royal Bafokeng Platinum Resources
- Base Titanium – Kenya
- Bojanala Platinum District Municipality
- DRA Mineral Projects
- Bisha Mine - Eritrea
- Hernic Ferrochrome
- North West Government EMS
- Glencore Marefe Venture
 - Boshoeck, Rustenburg, Western Mines, Wonderkop
- Harmony Gold Mining Company Limited
- Impala Platinum Limited
- Imperial Green Mobility
- Ivanhoe Mines Ivan Plats Kipushi, DRC
- Lonmin Platinum Ltd (Eastern and Western)
- Marula Platinum (Pty) Ltd
- Pilanesberg Platinum Mines (Pty) Ltd
- RCL Food Consumer (Pty)
- Royal Bafokeng Administration
- Rustenburg Local Municipality
- Sasol Petroleum Temane Limitada - Mozambique
- Sibanye Stillwater (Platinum & Gold)
- South Deep Gold Mine
- Meteorex Group - Ruashi Holdings - DRC
- Sun International
- Tharisa Minerals (Pty)

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COMMUNITY NEWS

Anti-Poaching Unit Pilanesberg National Park

- Lazer Communications has, in collaboration with Altech Alcom Radio Distributors, embark on a humanitarian mission where, C.E.O., Mr. Leon Coetzee negotiated with Altech Alcom Radio Distributors to donate a digital Motorola MOTOTRBO Digital Communications System, Comprising of a Repeater system, Mobile radios in vehicles and Portable radios with GPS and Bluetooth facility. GPS Software monitoring System for the Anti-Poaching unit in Pilanesberg National Park, “free of charge” to help combat the crime of the annihilation of the RHINO population in our National Parks.



“Every man would do well to remember that all successful business stands on the foundation of morality.”

– By Henry Ward Beecher

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