# Avoira Radio

avoira

We are

# avoira
fluent in technology

avoira
Audio-Visual

avoira
Xperience

avoira
IT

avoira
Devices

avoira
Radio

avoira
Communications

# Fluent in technology

Over nearly five decades we've become fluent in a range of complementary technologies that empower our clients to enhance their communication, productivity and service delivery.

We couple our technological articulacy with an impartial, expert consultancy service, ensuring that our client needs are always at the heart of every solution we deliver.

We're unique in designing, delivering, supporting and managing highly sophisticated and effective solutions that harness our varied specialisms and cutting-edge technologies.

These include everything from two-way radio systems, through to cutting-edge unified communications platforms, tariff-free internet-enabled telephony and potent AI-powered Customer Experience (CX) software.

# Contents

# Working for you. Working with you.

As well as working for, we work with our clients. We build strong, trust-driven partnerships that ensure we truly understand and can effectively satisfy your organisation's needs. Every time, on time.

It also means we're always there for you, whether providing highly responsive technical support or fully managing your services.

By building long-term relationships we deliver increasing value and returns to our clients.

# Radio experts with best-in-class products

Avoira provides market-leading radio communication solutions from a single-site, to fully integrated multi-site solutions.

We partner with leading radio equipment manufacturers to provide our customers with the best in radio solutions. Combined with our professional consultancy, project management service, and maintenance facilities we can design and implement a robust radio network.

If your needs are temporary, we have a range of leading radio solutions for hire.  When you have an event that requires staff with better communications or the ability to manage a busy warehouse at peak times, consider radio hire to support these critical moments.

# Professional consultancy services

We take immense pride in the quality of our pre and post-sale technical support services. It's what we've built our business on.
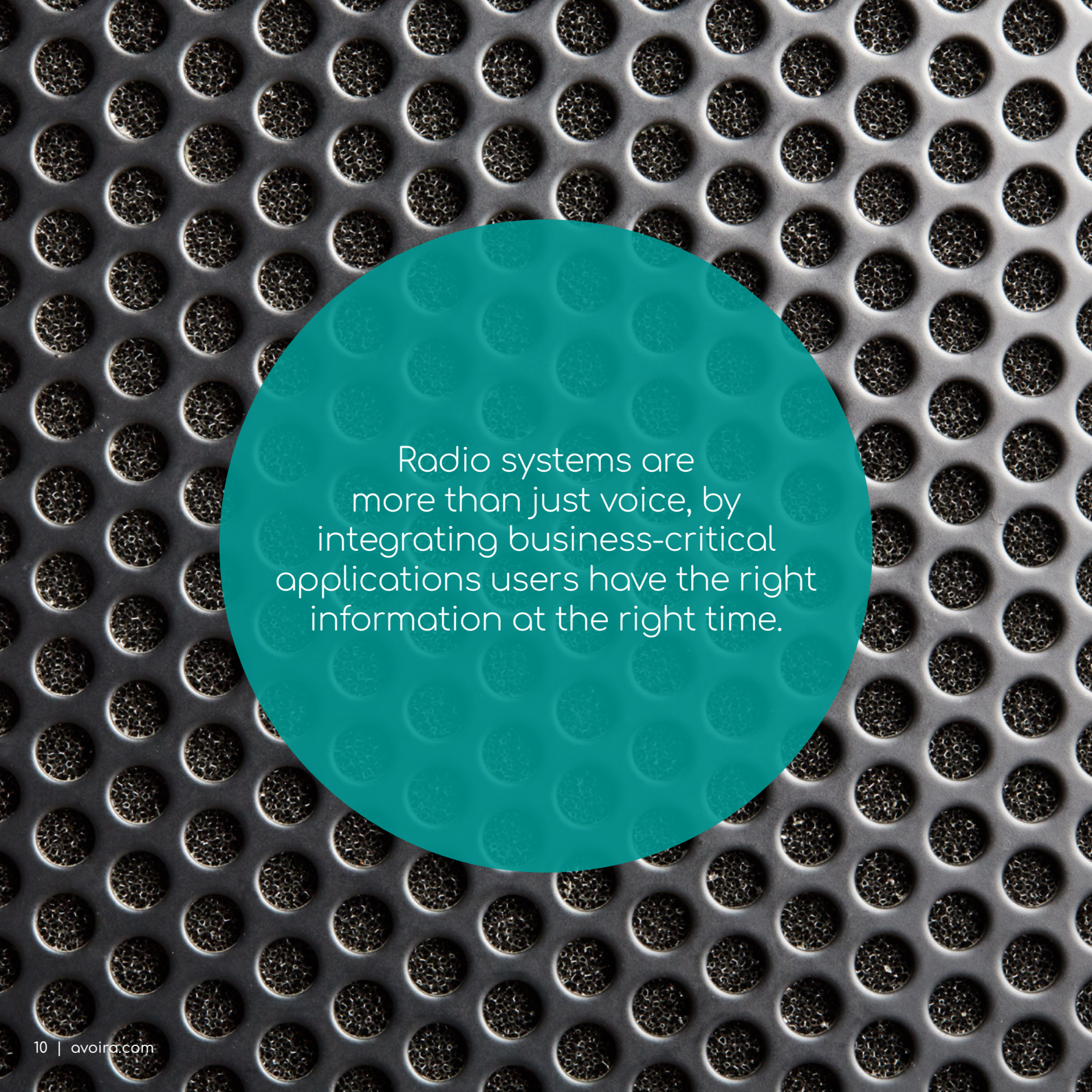
From our first introduction we'll offer you an agile, responsive and seamless service to meet your requirements. We always take the time to listen, so we fully understand your organisation, before offering an independent consultancy service that draws upon our extensive experience and expertise.

Once your solution has been delivered, we'll be on hand to offer a range of support services, including product training, maintenance and technical support.

Professional consultancy, project management, service, and maintenance facilities include:

- Site surveys and coverage assessments.

- Onsite demonstrations.

- Dedicated Solutions architects to assist in the scoping, design and planning.

Radio systems are more than just voice, by integrating business-critical applications users have the right information at the right time.

# Specialist integrations

- Voice Recording – post-incident analysis.

- Fire Alarm / BMS / Plant Alarm Integration – the correct alarm to the correct employee.

- Telephone interconnect capabilities (Analogue Lines, SIP, Microsoft Teams).

- Emergency features such as Lone Worker, Man down and Panic Alarm.

- Tracking facilities such as GPS and indoor location.

- Escalation features to off-site locations for enhanced user protection.

# Clear, robust radio solutions to enhance productivity and safety

## Man Down

The operator wears the radio on his belt. A "Tilt Switch" in the radio detects the orientation of the operator. If the radio detects that the operator has been tilted over for an extended period, after pre-warning the operator the radio enters Emergency Mode.

## Dead Man

The operator wears the radio on his belt. A "Motion Sensor" in the radio detects the motion of the operator. If the radio detects that the operator has been still for an extended period, after pre-warning the operator the radio enters Emergency Mode.

## Emergency Button

The operator can manually trigger the Emergency Mode at any time by pressing the radios emergency button.

# Lone Worker

The radio at predetermined intervals issues a Lone Worker alert. The operator must press a button on the radio to acknowledge the alert. If the operator fails to acknowledge the alert and radio enters Emergency Mode.

# GeoFence

Any radio equipment with GPS can have GeoFences assigned to it. If a user enters or leaves a GeoFence area this can trigger a user location alarm.

# Radio and Critical Communications

Digital Radio Systems with the latest Digital technology, Avoira supplies a wide variety of digital radio systems.

Solutions include simple single site systems, multisite technology and advanced wide-area solutions with the ability to include additional enhancements with business-critical applications.

We offer various features and solutions to help safeguard your employees and increase efficiency and productivity by providing seamless communication to your on-site users.

# Tetra Radio Systems

Tetra radio systems provide secure voice and data transmission with a wide range of features. These are adaptable to meet the requirements of mission-critical users.

With a wide portfolio of secure and feature-rich TETRA terminals, Avoira can support the requirements of mission-critical communications for all industry sectors that rely on this technology.

Our TETRA solutions offer secure and efficient communications with enhanced reliability and features compared to traditional digital two-way radio digital systems.

**TETRA sets the standard for mission-critical digital radio**

# Voice, data and video radio solutions

Avoira partner with a number of best-in-class vendors to ensure we provide our customers with the best solution for their voice, data, and video needs. From high-quality speech to body-worn cameras, we have the solutions.

# Body cameras

These small recording devices can be worn by security officials, officers, and front-line workers. They collect audio, video, and data during encounters with members of the public.

This provides footage that is effective in reducing crime and protecting the interests of the public.

# Workforce Connect

Workforce Connect works in all sectors to add powerful voice and messaging features to Zebra mobile devices, allowing you to provide all the capabilities your workers need to maximise productivity and minimise cycle times, all on one device.

# WAVE PTX

WAVE is the industry's most powerful and flexible push-to-talk over broadband solution for secure, real-time collaboration on any device over any network in any location. WAVE PTX transforms smartphones, tablets and PCs into team communication tools.

# Full Duplex Communications

Discover the power of full-duplex communication technology, designed to revolutionize the way you communicate, collaborate, and connect with your team. This technology allows whandsfree communications with a vast range of audio accessories to enjoy clear and effective communications in the most challenging environments.

# Safety reimagined

Unifying voice, data, video and analytics in one integrated platform to enable individuals, businesses and communities to work together in more powerful ways.

**SAFETY** REIMAGINED

# Push to talk over cellular (PTTOC)

Instantly enable PTT communication over your existing broadband network such as Cellular or Wi-Fi networks.

# Reliable and resilient control room solutions

A control room solution will combine a multitude of communication systems into a single interface allowing access to multiple technologies from a simple, easy-to-use, secure, and resilient system providing single or multiple operator positions.

Avoira offers considerable experience and expertise in the design, implementation, servicing, and maintenance of control room solutions.

Our clients include major utility companies, facilities management providers, transport and logistics operators, emergency and healthcare services a variety of private and public sector organisations as well as professionals in the safety and security industry.

# Features and benefits

- Integrated command and Control Room

- Scalable solutions

- Redundancy and resilience options

- Touch screen solutions

- Dispatcher audio options

- Variety of system integrations

- Airwave support

- Customisable layouts

- CCTV Interfaces

- IP and WAN Architecture

- Centralised control room options

- Evidential incident, data and voice management platforms

- PA interface

- Paging interface

- Alarm monitoring

- Door / access control

- System 'patches' between multiple platforms

- GPS tracking

- Lone worker services

- Telephony integration

- On site control room

- Offsite backup control room

- Mobile, incident management control room solution

**TRBOnet** | Certified Partner

# Seamless coverage enhancement solutions

We know that providing coverage can be challenging sometimes.

When coverage is compromised, Avoira can design and install solutions allowing for the transfer of wireless communications within a building via our range of coverage solutions.

These systems can allocate multiple services such as two-way Radio, GSM, ESN, Paging, TV and FM Radio (DAB), and WiFi.

## Seamless coverage solutions.

**Emergency services network infill**
Dependable and consistent when it matters.

**In building mobile signal infill**
Seamless in-building and remote mobile coverage.

**RF over fibre**
Expand coverage over increased distances.

**Distributed antenna systems**
Enhanced coverage around the entire site.

# Coverage enhancement solutions

# RF Over Fibre

RF over Fibre will allow for multiple services to be distributed via optical cable around a building, campus or even confined spaces such as tunnels. Our team can help you to design the coverage solution you required for all your connectivity needs.

# Distributed Antenna Systems

Need 100% coverage around your site or operations? Our consultancy team can design the DAS network required for your building providing you the connectivity you need.

# Mobile Phone Signal Enhancements

Not having full In-building cellular coverage causes a major communication challenge to many businesses and organisations. Whatever the environment, having no cellular coverage can lead to issues and frustrations, as well as a drop in productivity and efficiencies.

Trust Avoira to provide seamless in-building and remote mobile coverage solutions, to provide smart signal boosting for smarter businesses.

Our technology solution enables us to improve either a single network all the way through to all 4 major UK networks.

# Wireless point to point links

Our expertise in radio frequency and microwave engineering means we can support all industries to meet their digital data demands.

We maximise broadband and Wi-Fi performance with wireless point to point links to successfully deliver seamless supply of your hosted voice, SIP, video conferencing, and CCTV.

Allowing safe secure dedicated connections. For greater integration to maximise your in-house applications.

# Wireless and Microwave Links

We have vast experience in deploying multiple forms of technologies We provide wireless infrastructure for broadband and Wi-Fi in all areas even where connectivity has been a problem in the past.

# Connectivity Solutions

Our connectivity solutions cover all our customer's needs and provide a choice of connectivity suitable for all environments.

# Data Connections

A robust data connection is paramount for business-critical communications platforms. Our broad range of connections have you covered.

# Networking

Networking is the heart of all communications solutions. Robust, secure, and resilient networks are vital when deploying systems that heavily depend upon it working.

# Design

Our consultants will help you to design, deploy and deliver the networking equipment best suited for your environment.

# Enterprise mobility

We supply a variety of robust, rugged and secure Enterprise Mobility devices. From ruggedised mobile computer handsets through to a range of enterprise robust tablets, we have devices suitable to all sectors.

Industries benefit from Enterprise devices are:

- Transportation
- Logistics and Warehouse
- Healthcare
- Field Services
- Hospitality
- Quarries and Heavy Industry
- Retail
- Manufacturing

# Satellite communications

## Enabling worldwide communications

Satellite communications enable voice and data communications around the world and in hard to reach areas of no connectivity within the UK.

Avoira offer users a choice of satellite solutions including terminals and handsets from the major network providers, enabling us to present a package designed around our customers operating needs and financial requirements.

Satellite Communications is of particular importance to mission critical users, blue light services and operators of national critical infrastructure. Increasingly governmental and commercial emergency and disaster planning groups incorporate satellite into their communication solutions and business continuity plans.

Depending on the architecture of a particular system, network coverage may include the entire earth, or only specific regions. Avoira can advise clients on the network best suited for their geographical requirements.

## Solutions that we offer:

- Telephony Voice Platforms
- Push to Talk Radio Platforms
- Fixed Data (Broadband)
- Mobile Data
- In building coverage infill
- Integration into existing PBX telephone systems
- Integration into Command and Control systems
- Fixed terminals within buildings for Disaster recovery
- Telemetry applications

# Managed services

Avoira offers flexible managed service options. Our accredited engineers have a wealth of experience, providing relevant support and expertise across our entire portfolio.

# Key Benefits:

- Bespoke design around customers' requirements.

- Flexible payment terms.

- Discounted multi-year contracts.

- Enables technology refresh at end of the term.

- Flex up capabilities .

- Fully included professional services.

- Fully maintained and supported with OEM escalation.

- Device management and monitoring.

- Network operations centre.

- Providing our customers with real-time system monitoring and visibility of critical infrastructure devices and alerts.

- Hardware management providing functionality to apply control and support to end-user devices.

- Maintenance and support.

- Our dedicated maintenance and support team are available 24 hours a day, for maintenance or support queries.

- Radio managed service bespoke fully maintained and supported radio solutions, designed around the customer's requirements.

# Partners

MOTOROLA SOLUTIONS
**PLATINUM RESELLER**
TETRA DIMETRA Express Authorized
Professional and Commercial Radio Devices Authorized
MOTOTRBO Capacity Max Elite Specialist

ZEBRA
Registered **Reseller**

Hytera

**TRBOnet** | Certified Partner

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