



smyerumsby
radio comms since 1948

Where reliability matters!



Smye-Rumsby Limited is a long established company which was founded in 1948 and incorporated in 1959.

Based in Dover, Kent, the company has sought to evolve it's services to meet the ever increasing and developing world of electronics and communication on both land and at sea.

We are acutely aware of the need to maintain loyalty and to seek the satisfaction of all our customers.

Smye-Rumsby is a service-orientated company. We strive to make it personal to our cliental. Most recently we have updated our Quality Management System to ISO 9001-2000.

Our expertise has expanded to all forms of land-based mobile and fixed station radios including the design and planning of customised systems. A division of our company operates a communications service, comprising of a number of countywide repeater networks which are utilised by many organisations for their operational basis.

We have provided procurement and maintenance services to users of marine navigational equipment, including shore-based radar and radio communications.

Smye-Rumsby has, in conjunction with local councils, police and shop retailers, set up many security systems, reducing crime in many towns.

Over the years we have built up long standing relationships with many of the world's premier manufacturers and distributors. This enables us to source the most recent and state of the art products which in turn enables us to give you, our clients, the most up-to-date equipment, systems & services.

*Philip Smye-Rumsby
Managing Director*





Why Two-Way Radios?

With alternative and emerging technologies such as cellular, push-to-talk-over cellular, and voice-over IP (WLAN), is there any reason for enterprises to stick with two-way radio at all?

While there's no single answer to this question for every organisation, two-way radio offers certain advantages that make it the clear choice for the vast majority of mobile professionals who require an affordable, flexible, highly reliable solution along with the power and range available only in licenced bands.

Advantages of two-way radio include:

❖ Low total cost of ownership

Two-way radio requires a small up-front investment, with no recurring monthly fees. a two-way radio solution can typically pay for itself in less than 18 months compared with cellular or public carrier solutions that require recurring monthly fees.

❖ Customisable coverage and features

Two-way radio was developed and has continued to evolve to meet the specific needs of group-oriented communications and dispatch environments. The ability to tailor a two-way solution to meet the needs of businesses with quick, reliable one-to-one, one-to-many and many-to-many communications remains unequalled. Carrier-based solutions don't provide comparable levels of customisation and performance.

❖ Simple, reliable implementation

On-site and in-the-field solutions often require no infrastructure at all. Users simply turn on their radios and talk directly to each other for miles using rugged devices designed for everyday use in the most demanding environments. For group voice calls, two-way radio will continue to provide simplicity and reliability unmatched by cellular, voice-over IP and other competing technologies.

If you're one of the millions of professionals who rely on two-way radio today, it will continue to be your technology of choice tomorrow, and if you're not a two-way radio user today, you owe it to yourself and your company to consider this option.

Licence free Radios from Smye-Rumsby

Meeting your needs

Smye-Rumsby is an established communication provider, trading since 1948 providing radio communication solutions to business professionals and leisure users across a wide range of industries and activities. Specialising in sales, service and hire, design and commissioning of two way radio systems.

Whether you require only a few radios or have more complex needs, the Smye-Rumsby team offer unbiased experience and expertise to ensure you receive the equipment that best meets your needs and budget.

Licence free radios

These radios offer effective, low cost, general purpose communications over a short range. The simplest are suitable for leisure use, whilst the more robust are ideal for professional business applications. Here are some popular models.



Analogue Radios from Smye-Rumsby

Analogue Licensed radios

Professional business radios (PBR) are radio communication systems that incorporate one, or a mixture of hand portables, mobiles and base stations. The primary benefit of using PBR is the ability to cover larger sites over secure channels.

All equipment that we supply meets with the strict regulations of OFCOM and are supplied as standard with a manufacturer's warranty from the date of your purchase, or for that added peace of mind, extended care options are available for when the manufacturer's warranty expires.

Licensed radios are typically 10 times more powerful than unlicensed radios giving greater range and less likelihood of interference from other radio users. Here are some popular models.



The Digital Shift

Why Upgrade to Digital?



Many organisations are finding they require more than their analogue two-way radios currently deliver. Perhaps their licensed channels are becoming crowded and they need more capacity. Perhaps they need more flexible ways to communicate with users both inside and outside the work team. Perhaps they need access to data in combination with voice.

Professional Two-way radio users depend on clear, unbroken, reliable voice communications. A missed call, user error, garbled message or dead battery can mean:

- ❖ Lowered productivity
- ❖ Wasted time and money
- ❖ Unsatisfied workforce

Due to the inherent nature of RF physics, analogue radio can suffer from several limitations that affect the range and clarity of voice. In an analogue system, everything in the environment that disrupts or interferes with the signal itself, directly impinges on the voice quality at the receiving end.

To improve responsiveness and productivity. Digital radio provides a powerful, flexible platform that professional organisations can adapt to meet these needs and more.

By migrating from analogue to digital two-way radio communications, these organisations can fill many of these needs immediately and build a strong technical foundation for adding new functionality to meet new needs in the future.

The Fundamentals of Digital

- ❖ Lower licensing and equipment costs.
- ❖ Enhanced voice communications over a greater range.
- ❖ Static and noise rejection.
- ❖ Privacy without loss of quality.
- ❖ Longer battery life.
- ❖ Enhanced operational control, capacity and efficiency.
- ❖ Leverage the power of two-way for voice and data.
- ❖ More applications, simplified integration.
- ❖ Flexibility to allocate channels to voice and/or data as needed.



Digital Licensed Radios

Digital Licensed radios

For professional users, digital two-way radio in licenced bands is the way of the future. Whether you are using analogue radios today, or looking to implement your first two-way radio system, businesses of all kinds will soon be choosing their first digital two-way radio solution. The advantages and opportunities are simply too good to ignore:

Features

- ❖ Selective Calling
- ❖ Job Ticketing
- ❖ GPS Tracking
- ❖ Text Messaging
- ❖ Remote Enable/Disable
- ❖ Remote De-Key
- ❖ Emergency Calls
- ❖ Remote Monitor
- ❖ Lone-Worker Alarms
- ❖ Man-Down Alarms



Intrinsically Safe Radios (Atex)

Explosions can cause loss of life and serious injuries as well as significant damage. Preventing releases of dangerous substances, which can create explosive atmospheres, and preventing sources of ignition are two widely used ways of reducing the risk. Smye-Rumsby can provide you with the correct Atex approved radio equipment to protect your workforce against these risks.

What is an explosive atmosphere?

An explosive atmosphere is defined as a mixture of dangerous substances with air, under atmospheric conditions, in the form of gases, vapours, mist or dust in which, after ignition has occurred, combustion spreads to the entire unburned mixture.

Where can explosive atmospheres be found?

Many workplaces may contain, or have activities that produce, explosive or potentially explosive atmospheres. Examples include places where work activities create or release flammable gases or vapours, such as vehicle paint spraying, or in workplaces handling fine organic dusts such as grain flour or wood.

Explosive atmospheres in the workplace

In Great Britain the requirements of Directive 99/92/EC were put into effect through regulations 7 and 11 of the Dangerous Substances and Explosive Atmospheres Regulations 2002 (DSEAR). Smye-Rumsby have extensive experience with supplying and installing radio communication equipment into work places that are governed by these regulations.

More detailed information relating to the regulations and directives on Atex equipment can be found on the HSE website:

www.hse.gov.uk/fireandexplosion/atex.htm



Intrinsically Safe Radios (Atex)



To protect the workforce from these potentially dangerous environments Atex approved radio communication is a necessity. The choice for professionals in hazardous environments is Atex approved communication. Whether on an oil rig, in a gas installation or another potentially explosive environment, safe and reliable communications are paramount.

Analogue

Analogue Atex approved radio solutions offer mission critical communications at the touch of a button. Whether you are using simple all call functions, 5 tone, or trunked solution analogue radios offer a reliable and robust communications tool. Dependant on the equipment in use Atex analogue radios can also offer man down, lone worker, stun and revive and DTMF live dial for increased functionality and greater productivity.

Digital

All leading manufacturers are now producing digital Atex approved radio equipment to introduce users to increased capabilities and feature rich terminals.

Digital technology provides increased audio clarity and ambient noise suppression. Portable devices deliver unrivalled voice and data communications, in some circumstances with integrated GPS, text messaging, Built-in scrambling for increased security, productivity-enhancing Data Applications and longer battery life.

The Digital Atex approved equipment has the ability to be linked with PC based control systems that boast such benefits as voice recording, GPS mapping, geofencing, speed control, lone worker, man down, emergency, telemetry, user activity, call alerts, messaging and Voice over IP. These features can be activated or deactivated to the end users preference.

The functionalities available to digital Atex equipment are all to aid the user and the workforce to become efficient and effective with the aid your workforce with carrying out the daily tasks at your potentially explosive environment.



Radio Communication Systems

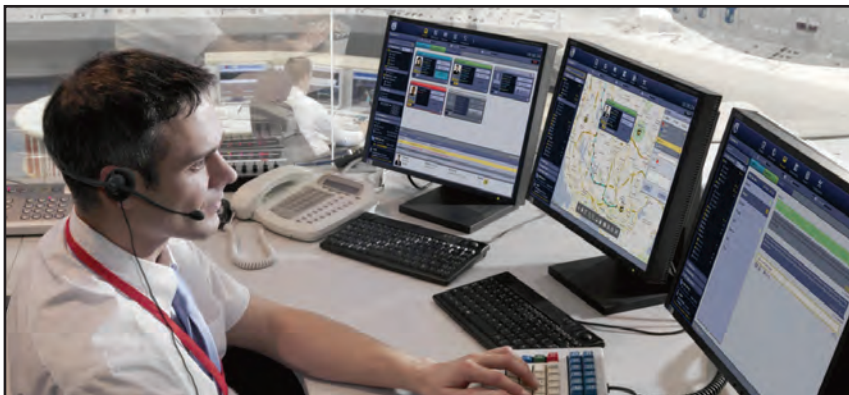
Service you can rely on

Smye-Rumsby pride ourselves on providing customers with the benefit of a highly trained and resourceful support team.

Whatever the industry you operate in, Smye-Rumsby has the expertise to help you communicate more efficiently and effectively.

We have years of experience and expertise at our disposal when it comes to the design of bespoke system solutions. We can offer you a choice of the following bespoke options:

- ❖ Voice over IP & Messages
- ❖ Text Passive
- ❖ Telemetry
- ❖ Lone Worker
- ❖ User Activity
- ❖ Stun Kill Passive
- ❖ Radio Allocation
- ❖ TX Passive
- ❖ Guard Tour Management
- ❖ Geofencing Policy
- ❖ Intercom
- ❖ Telephone Interconnect
- ❖ CrossPatch
- ❖ Voice Recording
- ❖ Emergency
- ❖ Lone Worker Policy
- ❖ Speed Policy
- ❖ GPS Positioning-Outdoor/Indoor



Call Smye-Rumsby to arrange a
free site survey
0800 975 6444

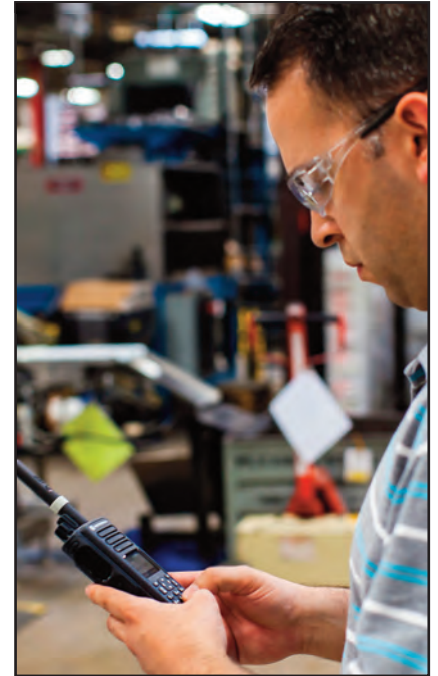
Hytera
Smart Dispatch

Nationwide Radio Hire

Hiring radio equipment is the ideal way to ensure your organisation has constant communication at the push of a button. Hiring radios from Smye Rumsby allows you to concentrate on your work while we take care of the communications equipment. Rental has distinct advantages over purchase and will help with budgeting as there are no unexpected costs.

Key benefits

- ❖ No capital expenditure
- ❖ Fixed costs throughout the contract
- ❖ Flexible hire duration
- ❖ Available at short notice
- ❖ Battery charging facilities as standard
- ❖ Accessories such as headsets, remote speaker microphones and earpieces
- ❖ Technical Support throughout the contract
- ❖ Equipment upgrade within the contract
- ❖ Additional equipment as required
- ❖ We hire radios to all industries throughout the country – long term and short term basis.



Radio Choice

Whatever your application, Smye-Rumsby has a wide variety of radios to meet your specific needs. Our range includes:

- ❖ Hand Portables
- ❖ Mobiles
- ❖ Repeaters & Antennas for extended coverage
- ❖ Both analogue & digital technologies
- ❖ Atex radios for hazardous environments
- ❖ Trunked radio systems
- ❖ Pneumatic Masts up to 12 metres
- ❖ GPS asset tracking



Servicing



Smye-Rumsby boasts a workshop and repair facility stocked with a vast array of spare parts to support a wide range of equipment for maintenance services.

With our extensive knowledge of products from all leading manufacturers, we are in a unique position to be able to offer repair on almost any piece of equipment that passes through our workshop.

We offer a very fast and effective service at competitive rates all of which is guaranteed and carried out by our qualified engineers.

Our service department has contracts to bench test and repair all manufacturer's products. Our technicians regularly carry out on site repairs, service and installations.

Working in accordance with FCS 1331 Code of Practice for Business Radio Site Engineering: 2013 and also compliant with all current Health and Safety Legislation.

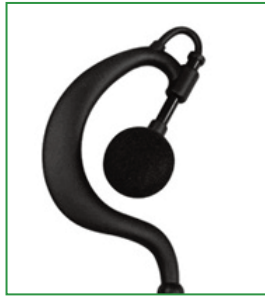
Our business began offering service and repair and we pride ourselves on this foremost element of our company.

Whatever your servicing requirements, whether it be a one-off repair or a comprehensive service package, Smye-Rumsby can cater for your needs.

Accessories

Smeye-Rumsby carries in stock, a complete range of earpieces, headsets, covert kits, carry cases and other accessories to allow you to make the most of your communications equipment. Regular battery replacements are key to keeping your radios communicating effectively. A radio is only as effective as the battery that powers it!

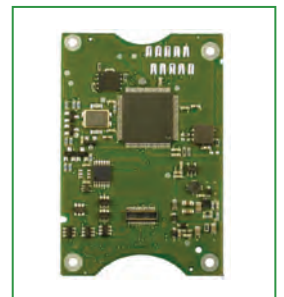
Audio



Power



Ancillaries



Marine Electronics

Smye-Rumsby is a market leader in the supply, installation and maintenance of navigation electronics and communications for both professional and leisure vessels. Providing professional advice and delivering efficient and cost effective solutions to meet the requirements of our customers.

With over 60 years experience and as one of the county's longest running specialists in the marine communications industry, we have the knowledge you can rely on when it matters most.

Since 1948 we have grown with the ever evolving technology required within the marine industry, and continue to do so.

What we provide

Our team are ready to assist you in all your marine navigation and communication needs. We have an extensive range of equipment that we can supply, install and repair including:

- ❖ Plotters ❖ Echosounder ❖ Electronic Charts ❖ EPIRB ❖ SART VHF ❖ Radar ❖ ECDIS ❖ Satellite Communication
- ❖ GPS/DGPS ❖ Public Address Systems ❖ Intercom Systems ❖ Anemometer ❖ AIS



We provide the specified emergency radio equipment necessary to fulfill the requirements of the global maritime distress and safety system (GMDSS).



SIMRAD



FURUNO

Marine Radio

Marine Radio

The most important aspect of communications equipment is maintaining the balance between advanced radio technology and human interaction; we refer to it as the MMI (man-machine interface).

Years of dedication have produced a range of Marine VHF, Marine HF and Marine UHF radios that are unsurpassed for quality, excellence and reliability. Technical superiority and quality workmanship are renowned Icom Marine Radio hallmarks. Icom's marine radios are among the most reliable and the most waterproof on the market.

 ICOM



smyerumsby
marine solutions • since 1948



123 Snargate Street • Dover • Kent • CT17 9AP

t: 0800 975 6444 w: www.smye-rumsby.co.uk e: info@smye-rumsby.co.uk