



# RF Com Ltd.

# Radar and Antenna Services

Our professional obsolescence and spare parts management supports the ideal operational capability and the optimal operating life of radar and antenna equipment (See our Supported Equipment).

This includes the procurement of original spare parts, the reproduction of components that are obsolete or need to be modified to customer needs or extended in their functionality. We are able to identify most problems promptly and solve them very quickly. We can accurately identify individual components through to complete LRU Assemblies for variety of Radar or Antenna. If required, we can offer Engineering Services at competitive market rates.



We have been working "hands on" within the radar industry for over 25 years. We supply extensive engineering and support services, both electronic and mechanical.

Line Replacement Units (LRU's) or components supplied for the majority of military and civilian systems.

The following radar systems are supported.

1022 • 1802 • 1802 • 1802SW • 1810 • 511 • 711 • 713 • 723 • 743 • 805SW • 909 • 910 • 911 • 966 • 967M • 968 • 992 • 994 • 996 • AR-325 • AR-325 • AR-327 • AR-327 • AR3D • AR5 • AR51 • AWS-1 • AWS-2 • AWS-4 • AWS-5 Radar • AWS-6 • AWS-9 • BATES System • Blindfire • Bowman • Cossor • Dagger • DN181 • GWS Missile • GWS-25 • Lanza • Martello • Nautis 1802SW • Rapier • Rapier Jernas • S1810 • S1850M • S244 S • S247 • S500 • S511 • S512A • S600 • S605 • S711 • S723 • S743 • S763 • S810 • S811 • ST 1802 • ST802 • 994 • 996 • Watchman

Contact us to discuss your requirements on: **0131 452 8777**



## Antenna Product Range

We can offer our own range of antennas from covert pcb antennas to marine quality colinear omni antennas and high gain sector antennas. Our sector antenna offers 100 degrees horizontal beam width, this means 360 degree coverage is possible with 4 sector antennas ideal for a mobile broadcast situation. Bespoke antennas are a speciality, we have produced many 'discrete' antennas for covert deployment. We can work with clients to generate profitable designs, minimizing costly issues in development, testing and production. Repair services are available with quotations on an individual basis.

Our Antenna Product Range:

### Broadcast Antenna WEST - 007

Cutting edge, ultra lightweight, high gain (6dB) Co Linear Omni antenna with proven reliability, coverage and gain, ideal for mobile camera or vehicle use. Many mounting arrangements available. Available from L Band (1.5GHz) to C Band (8.5GHz). Vertically polarised. Highest gain versus size on the market. Frequency Range 2000 - 3000 MHz

### Dome Antenna WEST - 008

Compact, lightweight, broadband antenna with gain and a hemi spherical pattern. Ideal for vehicles, robots or buildings. Available from L Band (1.5GHz) to C Band (8.5GHz). Frequency Range 1100 - 1900 MHz

### Dome Antenna WEST - 009

Compact, lightweight, broadband antenna with gain and a hemi spherical pattern. Ideal for vehicles, robots or buildings. Available from L Band (1.5GHz) to C Band (8.5GHz). Frequency Range 2000 - 2800 MHz

### Sector Antenna WEST - 010

Amazing high gain broadband antenna with 100 degrees horizontal beam width making 4 of them ideal for 360 degree coverage. Ideal for broadcast situations or anywhere broad coverage and high gain are required, a top seller. Available from L Band (1.5GHz) to C Band (8.5GHz). Frequency Range 1100 - 1900 MHz.

### Sector Antenna WEST - 011

Amazing high gain broadband antenna with 100 degrees horizontal beam width making 4 of them ideal for 360 degree coverage. Ideal for broadcast situations or anywhere broad coverage and high gain are required, a top seller. Available from L Band (1.5GHz) to C Band (8.5GHz). Frequency Range 2000 - 2800 MHz.

### WIFI Dome Antenna WEST - 012

Compact, lightweight, low cost dome antenna with 3dB gain. Ideal for transmitting a wifi signal in a building for a higher speed, more reliable signal over an entire floor or open space. Circular polarised, ideal for indoors use. Can be wall or ceiling mounted. A top seller. Frequency Range 2400 - 2500 MHz.

### WIFI Patch Antenna WEST - 013

Compact, lightweight, low cost patch antenna with 3dB gain. Ideal for boosting a PC's wifi signal at home or in the office for a higher speed and more reliable signal. Frequency Range 2400 - 2500 MHz.

### Marine Antenna WEST - 014

Rugged Co Linear Omni antenna with proven reliability, great pattern and gain, ideal for transmission across the ocean or land. Available from L Band (1.5GHz) to C Band (8.5GHz) Vertically polarised.

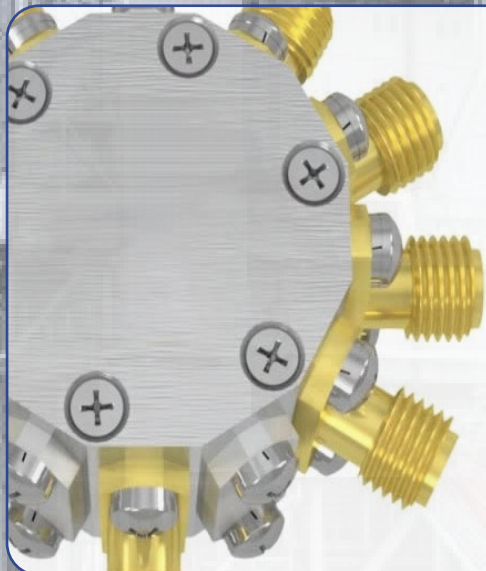


## Pumps and motors

RF Com offer the following services for the continued maintenance, service, repair and replacement of industrial pumps and motors.

LV & HV Motors – Supply & Repair • DC Motors – Supply & Repair  
RADICON Gearbox Builds • JOHN CRANE Mechanical Seals  
SIEMENS Servo motors • Grundfos, Lowara, Wilo, Armstrong & Flygt Pumps  
PARKER and ABB Variable Speed Drives

- On site Vibration Analysis
- Fan Balancing / Laser alignment
- Machinery Installation and Panel Building
- Metal Fabrication and Welding
- Mechanical / Electrical Installations
- Fire Alarms and Emergency Lighting
- Electric Motors AC & DC Overhaul & Rewind
- Pump Repair & Overhaul
- Bearing & Power Transmission Products
- Infra-Red Surveys (Thermal Imaging)



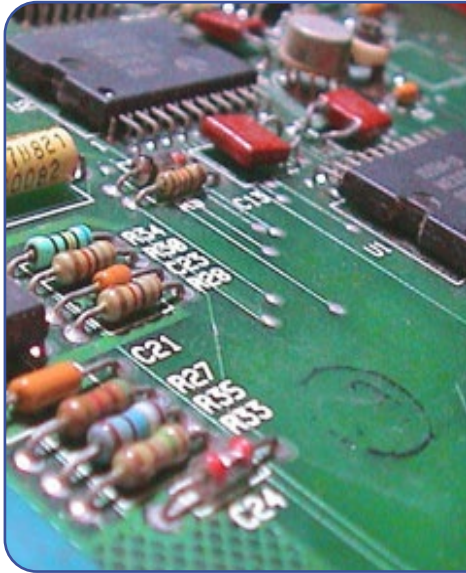
## Circulators, Isolators, Directional & Mixer Couplers

RF Com work closely with experienced designers and manufacturers to enable us to offer off-the-shelf solutions as well as bespoke products designed to your exact specifications.

- RF Circulators
- RF Isolators
- Directional Couplers
- Mixer Couplers

## Our Specialities

- Radar Systems
- Pumps
- Motors
- Gearboxes
- Antennas
- Electronic Components
- Power Supplies
- RF Circulators & Isolators
- Directional Couplers
- Mixer Couplers
- Magnetrons
- TWT
- Servo Motors
- Synchros
- Tacho Generators



## Electronic Components

We source and supply a broad range of electronic components both current and obsolete. NSN numbers cross referenced.

- Integrated Circuits
- Resistors
- Capacitors
- Inductors
- Circuit Boards
- Fans
- Batteries
- Heat Sinks
- Cable
- Solder
- Power Supplies
- Displays

## Our Capabilities

RF Com are specialists in industrial obsolescence.

We have engineered solutions for military and civilian radar equipment, helicopters, vehicles, antenna and communications systems.

We have the capability to remanufacture gearboxes, pumps and motors, transformers, power supplies from original drawings or via a reverse engineering process.

We supply full service and life extension solutions for GEM80 and other major PLC manufacturers equipment.



Additionally, we offer a comprehensive range of antennas and RF equipment such as circulators, isolators, couplers and mixers as well a custom service to meet your exact requirements.



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For more information please call 0131 452 8777 or email [info@rfcom.co.uk](mailto:info@rfcom.co.uk)

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