RF/Microwave Capability

Leaders in the design and manufacture of RF/Microwave sub-systems, assemblies and components
With a heritage of over 50 years of engineering and manufacturing excellence, Sylatech’s designs can be found globally in land, sea, airborne and space applications.
As a strategic supplier to four international primes, Sylatech consistently delivers custom engineering solutions to challenging customer requirements.
- **Slotted Array Antenna** - Precision passive designs with exacting performance
- **Monopulse Comparators** - Custom designs for narrowband frequencies
- **Power Dividers/Combiners** - With minimal amplitude and phase unbalance
- **Rotating Joints** - Single/multi-channel waveguide and coaxial options
- **Crossguide Couplers** - Supports coupling across large bandwidths
- **Directional Couplers** - Offering superior coupling and directivity
- **Loop Couplers** - Single and dual configurations in compact designs
- **Sidewall and Top Wall Couplers** - WG6 to WG22 with typical VSWR of 1.1:1
- **Antenna Feeds** - Single and dual-bands with horizontal, vertical and circular polarisation.
Panels for satellites, power dividers for large ground station radars, antennas for air defence systems and rotating joints for weather radar systems feature in the application of our products.

- **OMT** - Typical orthogonal isolation of better than 40dB
- **Stub Tuners** - Double short and triple boss designs available
- **Loads and Attenuators** - Suitable for low, medium and high power applications
- **Waveguide Bends** - Available in E and H planes covering WG6 to WG25
- **Flanges** - A range of plain, choke and double-ridged flanges are available
- **Pressure Windows** - Covering a range of waveguide sizes from WG11 to WG22
- **Magic Tees** - Offered as standard linear, folded E-plane and folded H-plane variants
- **Transitions** - Available in a variety of waveguide and coaxial interfaces.
Sylatech delivers precision custom engineering solutions for our customers.

Operating from the UK, Sylatech has a global customer base across multiple business sectors including Aerospace, Space, Defence, Medical, Automotive and Construction.

As a trusted partner for delivering high quality systems and components to exacting standards, our customer base spans all tiers of the manufacturing supply chain.

Sylatech’s service offering spans three core functions:

- **RF and Microwave** - custom design and manufacture of microwave sub-systems, assemblies and components.

- **Investment Casting Foundry** - manufacturing precision metal parts through lost-wax investment casting.

- **CNC Machining** - comprehensive machining delivering precision engineered metal components.