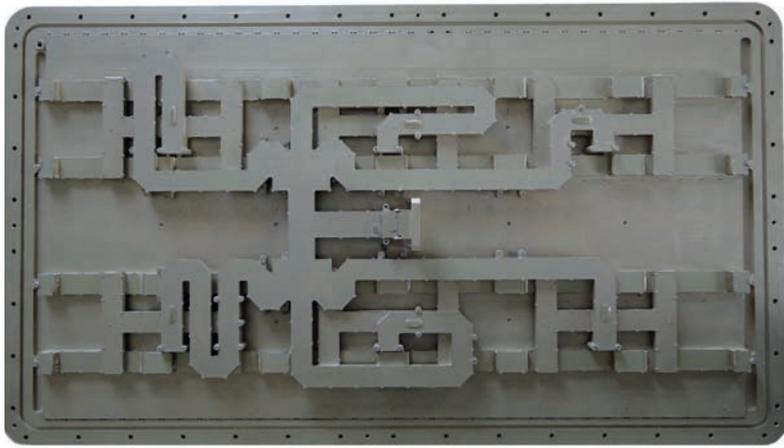




## **RF/Microwave Capability**

**Leaders in the design and manufacture  
of RF/Microwave sub-systems, assemblies  
and components**



FLAT PLATE ANTENNAS INCLUDING NETWORKS

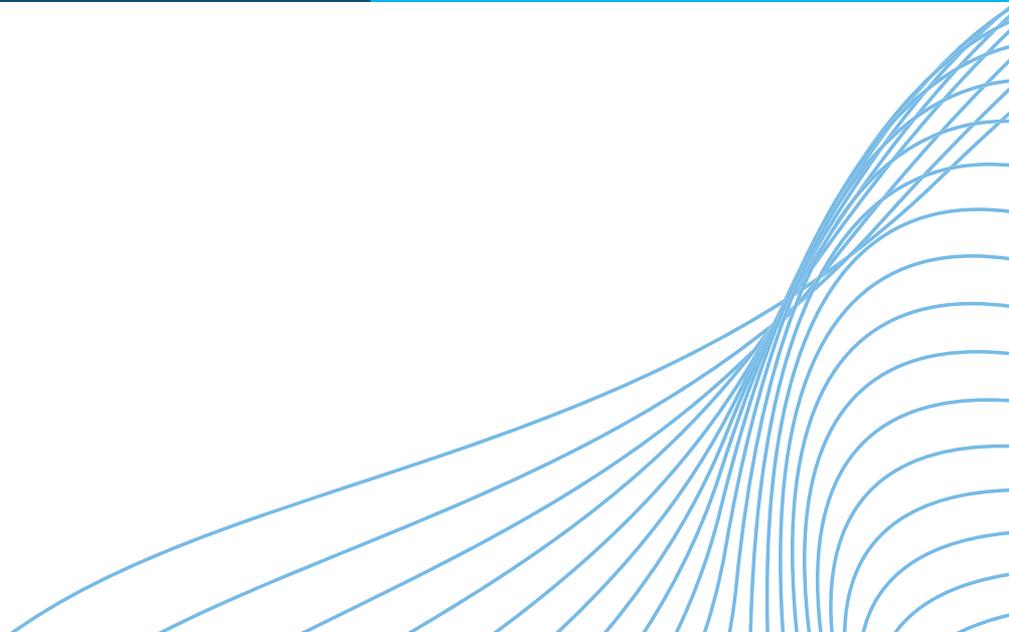


FEEDHORNS

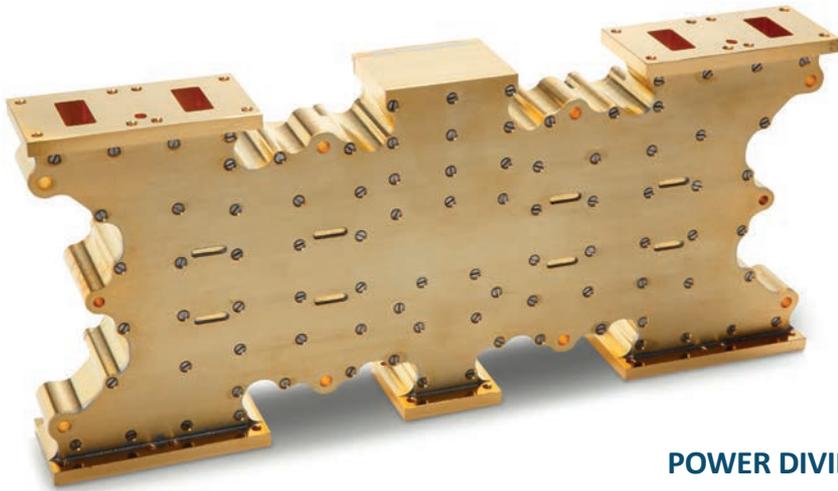
With a heritage of over 50 years of engineering and manufacturing excellence, Sylatech's designs can be found globally in land, sea, airborne and space applications.



CUSTOM DESIGN ENGINEERING



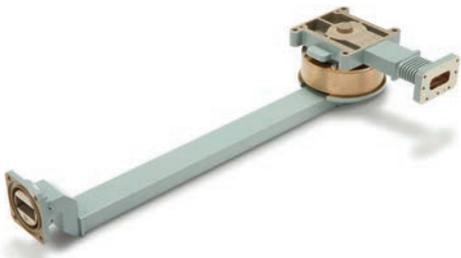
# RF/MICROWAVE CAPABILITY



POWER DIVIDERS



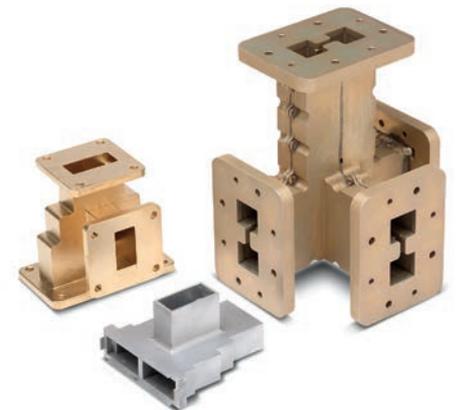
CROSSGUIDE COUPLERS



ROTARY JOINTS



LOADS



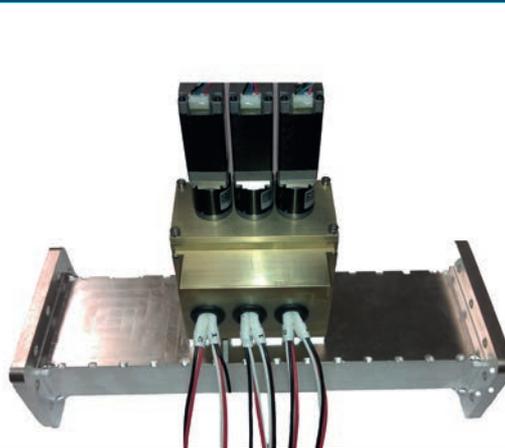
TEES

As a strategic supplier to four international primes, Sylatech consistently delivers custom engineering solutions to challenging customer requirements.

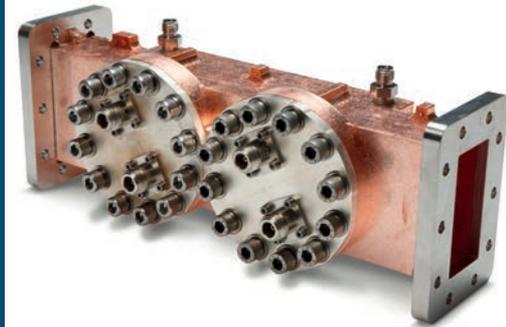
Contact us to discuss how we can help engineer your future



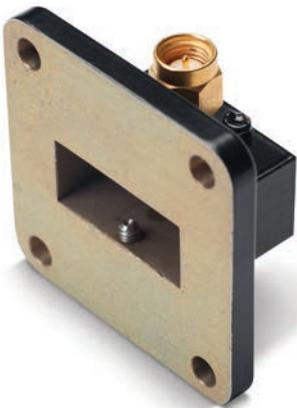
WAVEGUIDE BENDS



STUB-TUNERS



LOOP COUPLERS



TRANSITIONS



MONOPULSE  
COMPARATORS

- ▶ **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.

## DESIGN | ENGINEERING | MANUFACTURING

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.



**ROJO COMPONENTS**

# ENGINEERING YOUR FUTURE



**SLOTTED ARRAY ANTENNAS**

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.



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