



# RADOMES RADAR ANTENNAS MANUFACTURE

**Advanced** integrated Technologies 

SHIP RADAR SYSTEMS

WHIP AERIALS

SATCOM SYSTEMS

ATC & DEPLOYABLE  
RADAR SYSTEMS

RADOMES

ANTENNAS &  
REFLECTORS

MULTI-AXIS TURNING  
GEAR

DESIGN FOR  
MANUFACTURE

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- Design and manufacture.
- Radome design and manufacture up to 4m
- Multi axis turning gear.
- Omni directional SATCOM
- Antenna parabolic and offset parabolic reflectors
- Planar antennas
- Vehicle conformal SATCOM antennas and radomes
- Quad start and Bi start submarine SATCOM antenna
- Diamond reflectors
- Whip aerials.
- Absorbers
- Structural housings – X Band, Ka Band, Ku Band
- Space based antennas and feed horns
- Air search 3D multifunctional radar systems
- 2D Navigational radar systems
- Vehicle mounted radomes and antennas.
- Planar arrays
- Direction finding antenna.
- Munition nose cones and antennas
- RF Windows
- Environmental and mechanical testing
- EMC/EMI protection and testing
- ISO 9001:2015

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### **Radomes**

We have designed and manufactured low RF loss structures (dB) in KU, KA, L, X, S Bands, this includes low pimm work. For land, Marine and aerospace applications

### **Satellite Antennas**

We have designed parabolic, offset parabolic and unique profile antennas in KU, KA and X bands. For land, Marine and aerospace applications. These can be very low RMS designed surface profiles.

### **Radar Antennas**

We have designed and manufactured L, X and S band antennas for land, marine and aerospace applications

### **Low Observable structures**

As part of our work in the electrostatic domain we have been involved in low observability or absorbing structures. This work revolves around material properties engineering as well as careful shaping. We have carried out many projects where we have significantly reduced the Radar Cross Sectional Area (RCS) on customers products. Generally, we can reduce the RCS of a conventional structure to 10% or less of its previous measured value.

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