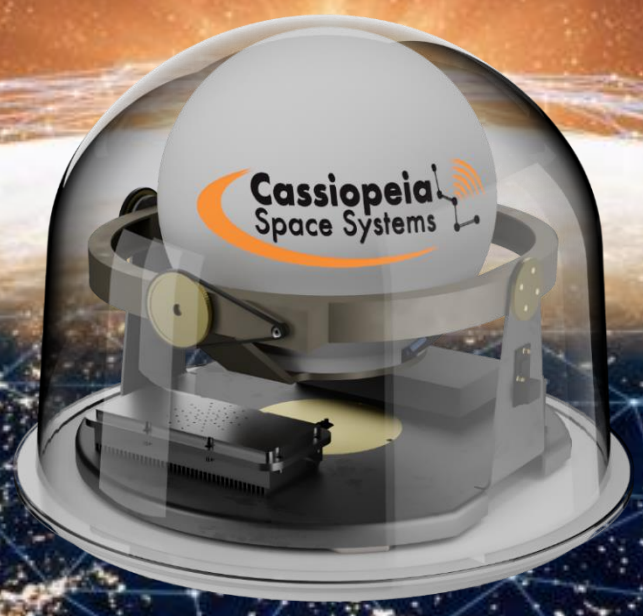
The “Bright Star” for Satellite Communications



RIGEL

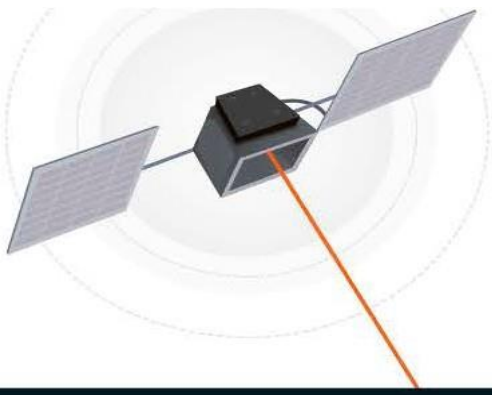
MULTI-ORBIT SATCOM TERMINAL

Leveraging years of experience, the Cassiopeia Space Systems team is developing a unique and innovative Multi-Orbit Satcom Terminal. The **RIGEL** terminal is replacing the traditional parabolic reflector with advanced Luneburg Lens Technology, purpose-built to deliver a “GAME CHANGING” terminal for the end user.

RIGEL Multi-Orbit Satcom Terminal is a new advanced user terminal with superior performance, low SwaP and no scan-loss for LEO/MEO/GEO satellite network constellations within the global Satcom market (Maritime, Airborne, CBH, COTM and Ground Stations).

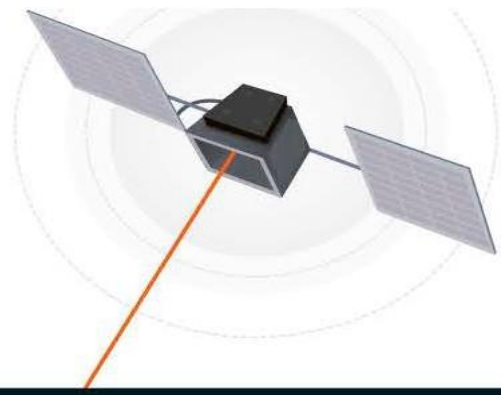
As LEO/MEO satellites orbit faster than the earth’s rotation, the end user antenna must be capable of switching from one satellite to another without dropping the link.

We have therefore designed the **RIGEL** to track two satellites simultaneously

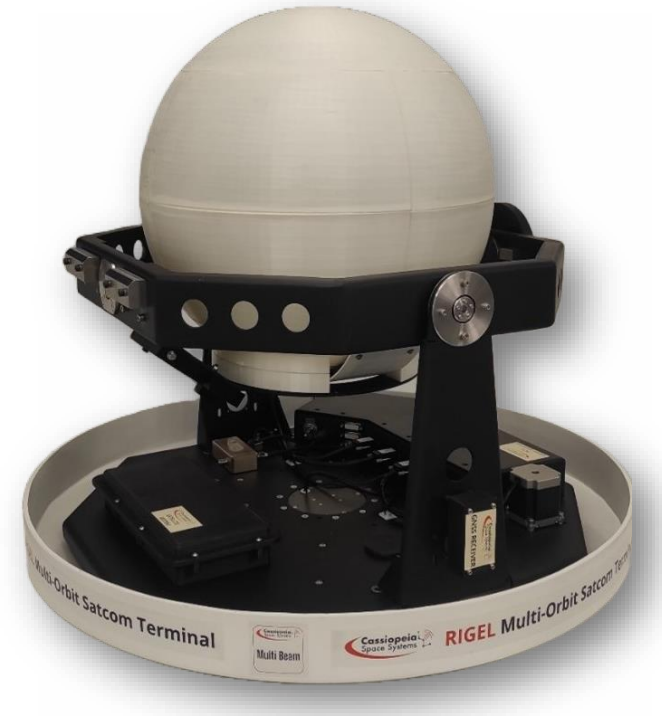


RIGEL tracks two satellites simultaneously

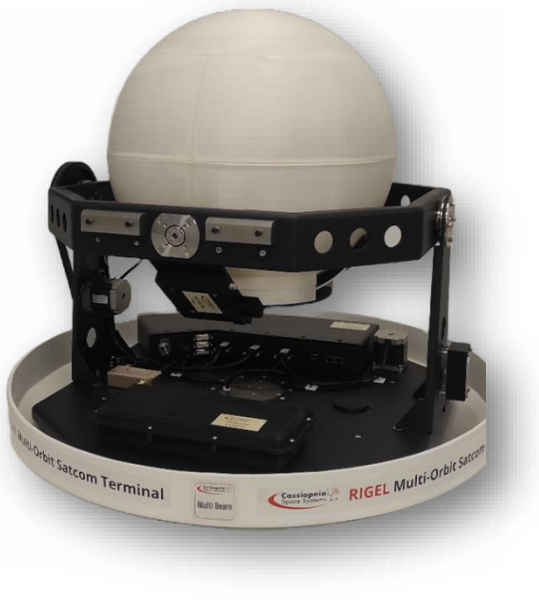
Supporting “Make-Before-Break”



RIGEL 18” (45cm)



RIGEL 12” (30cm)



RIGEL Main Components

1. Luneburg Lens with two Electronic Steered Elevation Beams
2. Two BUC & LNB Units
3. Antenna Control Unit (ACU) including IMU
4. Satellite Modem Unit
5. X/Y/Azimuth Stabilizer/Tracker
6. GNSS (Global Navigation Satellite System)
7. Radome Assembly

Cassiopeia Space Systems is headquartered in the United States. Ownership of the company includes Over-Sat Ltd. (Israel), MIL-SAT (USA) and Assured Space Access (USA), with each party bringing to the partnership their extensive Satcom world experience and unique relative strengths.

Cassiopeia Services:

Development and Production of Satcom Terminals

Installation and Commissioning

Satellite Airtime Capacity