

RIGEL

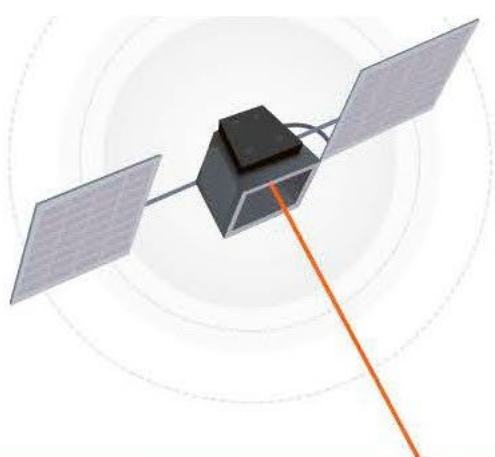
MULTI-ORBIT SATCOM TERMINAL

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

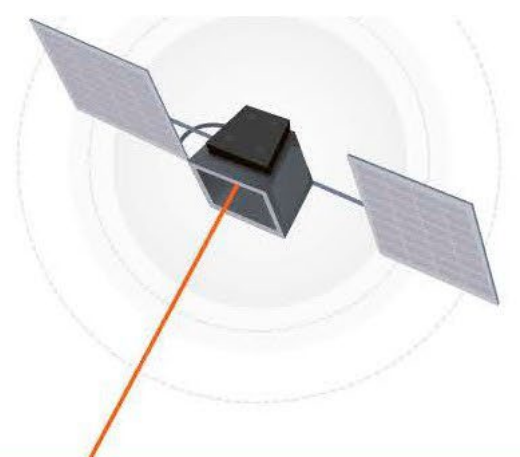
RIGEL Multi-Orbit Satcom Terminal is a new advanced user terminal with superior performance, lightweight and low power consumption terminal for LEO/MEO/GEO satellite network constellations in the global VSAT market.

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”



RIGEL Main Components

- 1 Luneburg Lens Antenna including two (2) Electronic Elevation Beams
- 2 BUC and two (2) 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

Hybrid Stabilized User Terminal



About Cassiopeia

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

