

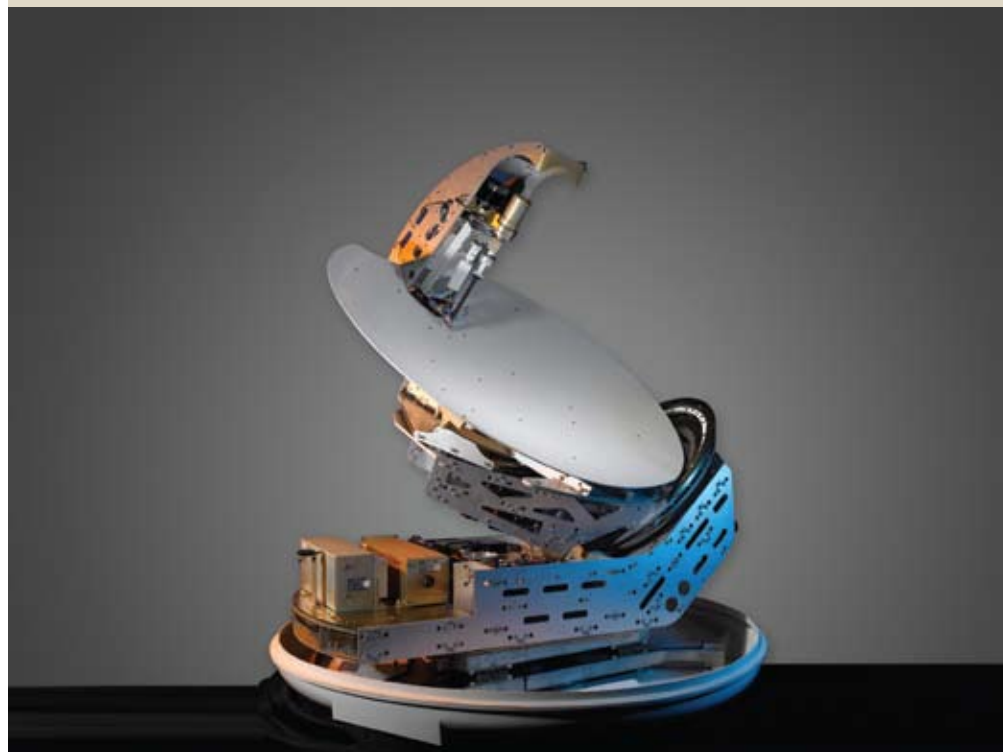


Antenna equipment.

Above and beyond.

Broadpoint provides antennas that deliver on your requirements for frequency flexibility and outstanding reliability.

Broadpoint provides highly reliable satellite and cellular communications, including state-of-the-art satellite antenna systems. Some of the largest and most progressive companies in the world depend on Broadpoint's technology and expertise for far-reaching and critical communications capabilities. All services are backed by world-class technical support and engineering teams. Since 1976, Broadpoint has earned a reputation for providing outstanding technologies delivered by highly trained technicians. No communications company works harder to help its customers stay connected and enhance productivity onshore and offshore.



- Sea Tel®
- ELSP

- Orbit
- AvL/ Tracstar

For more information about our products and services, please call 1.800.458.8301 or visit www.broadpointinc.com



Sea Tel® Model 9797.

Compliant with both INTELSAT and DSCS, Sea Tel®'s Model 9797 offset antenna is an efficient C-band, X-band and Ku-band marine-stabilized antenna system. Maximize throughput while using little valuable deck space. Also available as a dual-band selectable C- and Ku-band system for complete flexibility. Innovative Offset antenna technology provides unparalleled efficiency and performance.

- Receive gain: @ 3.95 GHz 38.5 dBic / Transmit gain: @ 6.175 GHz 41.7 dBic
- 20.20 dB/k calculated G/T @ 3.95 GHz (Clear sky, 20 degrees elevation)
- Radome Diameter: 144"
- Ship's Motion: $\pm 25^\circ$ Roll or $\pm 20^\circ$ Roll and $\pm 15^\circ$ Pitch
- $< 0.2^\circ$ PEAK mis-pointing @ $\pm 25^\circ/15^\circ$
- Automatic satellite acquisition; automatic linear polang positioning
- Unlimited azimuth (no cable unwrap)
- Built-in test capability, run from antenna control unit or PC (includes Strip Chart Recorder)
- M&C for antenna mount RF equipment, up/down converters (Windows based)
- Meets Navy MIL-STD-901D GRADE A shock standards and MIL-STD-461 EMI & RFI standards (including 200V/M)
- Meets MIL-STD-167-1 Vibration



ELSP.

Electrical Stabilized Platform (ELSP) is a motion-compensation system for use on naval, research or exploration vessels, semisubmersible drilling rigs, Floating Production Storage and Offloading (FPSO) units, drill barges, crew quarters and tension leg platforms (TLP). The ELSP provides high pointing accuracy for satellite communication antennas. The ELSP system includes an antenna that comes ready for integration with RF equipment. The system consists of the outside unit (stabilized platform/antenna) and the inside control unit and requires no radome.

- Survival Winds: 100mph
- Operational Winds: 50mph (80mph with High Torque Option)
- System Power Requirement: 120 VAC, 15 Amp or 240 VAC Optional (Radio not included)
- Antenna Size: 2.4m Offset (Optional 1.8 Offset or 2.4, 3 Meter Center Feed)
- Frequency Band: C- or Ku- Standard (X-, or L-bands Optional)
- Yaw Travel: Range Before Cable Unwrap $\pm 180^\circ$ Standard ($\pm 1800^\circ$, $\pm 2500^\circ$ and Infinite Optional)
- Pointing Accuracy: $\pm 0.2^\circ$ Typical



ORBIT AL-7103.

This unique Ku-band solution for high-performance, high-speed, two-way broadband communication features an exclusive mechanical design, compact dimensions, built-in RF package of 4/8 W BUC. Experience continuous zenith-horizon communications without "keyholes." Orbit's turnkey AL-7103 solution provides up to 1-2 Mbps with an unmatched performance/cost ratio. The AL-7103 is a highly efficient, dual-offset Gregorian 1.15m Ku-band antenna housed in a low-loss 1.28m Radome. AL-7103 delivers a powerful, compact and cost-effective VSAT package for telephone, Internet, streaming video, GSM cellular, fax, video conference and other applications available with satellite communication. This system's smaller deck space "footprint" due to the pole-mount pedestral design is ideal for smaller vessel.

- Antenna Type: Dual Offset Georgian
- Antenna Size: 1.15m (45")
- Radome Size D: 1.28m (50") H: 1.6m (63")
- Operational Frequency Tx: 14.0-14.5 GHz Rx: 10.95-12.75 GHz (in 3 bands)
- Antenna Polarity: Linear H/V
- Antenna Gain (Typical Tx: 42.5dBi @ 14.25 Ghz Rx: 41dBi @ 11.70 Ghz)
- Power Requirements; 90-260 VAC 50/60 Hz, 300W
- Turning Rate: 12°/second



AvL/Tracstar 0.96m Auto Acquire.

Broadpoint's AvL Tracstar 0.96m antenna offers users mobility plus the same reliable, secure, high-speed IP-based data communications they experience in the office. Users can connect anywhere/anytime for applications such as secure high-speed digital communications, high-speed Internet access, voice and data communications, including teleconferencing and video broadcasting with a wide area network private backhaul. Features include automatic satellite acquisition with a single pushbutton, rapid deployment and operation on every Ku-band satellite, worldwide and every satellite modem. This system does not require that the vehicle be leveled and adapts to a wide variety of radio packages.

- Antenna Size: 0.96m Ku-band round
- Mount Geometry: Elevation over Azimuth
- Survival Winds: 125mph
- Operational Winds: 60mph
- Operational Frequency: Tx 13.75-14.5 GHz, Rx 10.7-12.75 GHz
- Antenna Gain (Typical): Tx 41.2 dBi, Rx 39.7 dBi @ 11.95 GHz
- Power Requirements: 50/60Hz, 110/220 VAC, Single Phase
- Acquisition Time: less than 10 minutes
- Stow Height: 12.5"