Electrical optical/infrared (EO/IR) cameras capture activity on the ground and at sea. Maritime radar tracks maritime vessels. Ground radar tracks terrestrial targets. Satcom connectivity enables near real-time communication in flight to ground operations.

DEA AVIATION’S SUITE OF SENSORS
To meet its customers’ growing demand for near real-time data, DEA Aviation deploys multiple high-fidelity sensors.

ADVANCES IN SENSOR TECHNOLOGY
Improved sensors capture more data, requiring high-throughput connectivity.

GROWING DEMAND FOR DATA
ISR missions generate and relay large volumes of data from multiple sensors.

ADOPTION OF CLOUD/BASED APPLICATIONS
Digital transformation initiatives drive the need for direct connectivity to the cloud.

NEED FOR GLOBAL COVERAGE
Near real-time connectivity over a wide coverage area is essential to beyond line of sight surveillance missions.

COMPLEXITIES OF DELIVERING ISR SOLUTIONS
To optimise airborne ISR missions benefit a range of government operations:

- Border patrol and protection
- Tracking and regulating illegal activity
- Environmental monitoring
- Humanitarian assistance and disaster response

GEOGRAPHICAL COVERAGE
New satellite connectivity: a range of GEO services enables coverage of all high-throughput markets.

SPATIAL APPLICATIONS
The broad range of services enables near-real-time communication in flight to ground operations.

OUR SERVICE OFFERING
- Current deployments on SES-4
- 24/7 MOC and SMOC service support
- Global GEO service coverage via SES fleet
- High-throughput, low-latency connectivity via SES MEO fleet
- Between 1Mbps and 20Mbps, dependent on terminal

O3b mPOWER
Reframing the future of ISR
Our next-generation Medium Earth Orbit (MEO) communications system, O3b mPOWER, will continue to support ISR missions—eventually those needs will evolve.

MISSION FLEXIBILITY
Flexible bandwidth allocation on forward and return links enables capacity in line with changing mission requirements.

NEW POSSIBILITIES
Low-latency and high-throughput performance optimise off-boarding capabilities for multi-sensor missions.

NEW LEVELS
High-throughput services scalable to multiple gigabits per second support increasingly large volumes of data generated by sensors.

NETWORK RESILIENCE AND SECURITY
Jamming and interception resilience and the ability to deliver data to government-owned gateways ensure maximum information security.

CLOUD SCALE CONNECTIVITY
Low-latency performance and dedicated, private connections from remote sites to the nearest cloud data centre support time-sensitive cloud workloads.

PROVEN TECHNOLOGY
O3b mPOWER is the only non-geostationary orbit (NGSO) solution based on commercially and operationally proven technology.

Read the DEA Aviation Case Study www.ses.com/case-study/dea-aviation-ltd