

# Government+

## Tactical Persistent Surveillance

SES Government+ Tactical Persistent Surveillance (TPS) is a mobile information collection solution providing an effective and economical ISR capability enabling leadership to make rapid and accurate decisions based on real time airborne intelligence gathered from hundreds or thousands of miles away.

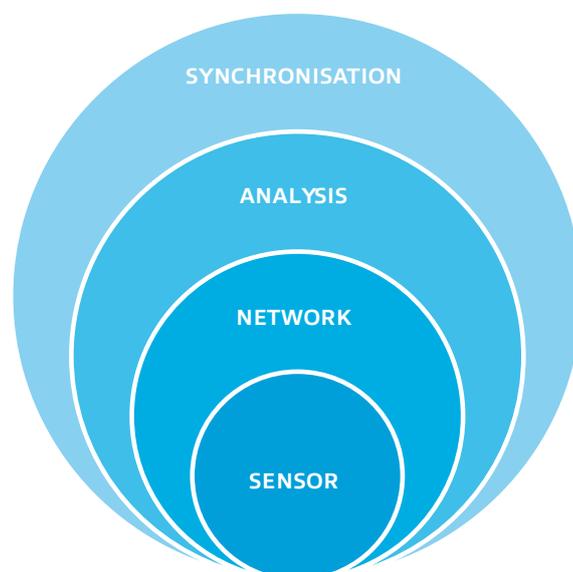
This fully integrated solution is based on a tactical aerostat platform, capable of being fully operational in twenty minutes with an operating altitude of 1,000 feet. The TPS baseline configuration is equipped with an E/O sensor enabling detection and surveillance of vehicle and human presence up to 5 km. The system includes a satellite backhaul of sensor data for an added layer of monitoring and analysis via a centralised monitoring center.

SES Tactical Persistent Surveillance can also be equipped with a communications payload using MIMO radio technology providing two way communications and streaming video up to distances of 25 miles with any IP enabled device. This MANET architecture has a maximum throughput of 70 Mbps TCP and 85 Mbps UDP.

SES' unique fleet of GEO and MEO high-throughput satellites provides the flexible connectivity needed to apply the TPS solution to virtually any application requiring monitoring including; border security, crowd control, port security, refugee camp monitoring and oil, gas and remote mining security.

### ELEMENTS OF PERSISTENT SURVEILLANCE

- + Images and intelligence gathered by the sensor are monitored locally by the TPS operator
- + Data is networked via SATCOM to a centralised monitoring center
- + Additional staff provide a real-time redundant layer of monitoring and analysis
- + In the event a threat or suspicious activity is identified, leadership will be able to make critical decisions and respond by synchronising available personnel and appropriate assets



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