



22M AEROSTAT SYSTEM

TCOM'S 22M aerostat system is trusted by military forces and border authorities alike for Homeland Security & Defense. The system can be assembled in a matter of hours and can be deployed from stationary or mobile mooring stations.

Versatile Operational Class aerostat systems may carry payloads that include radar, SIGINT and COMMS Relay to altitudes as high as 3,000 ft above ground control station. This makes the systems ideal for maritime surveillance applications, protecting ports and costal borders, as well as inland border surveillance applications with reduced manpower and lower sustainment costs.

22M-SPECIFICATIONS



Payload Weight

445 lbs/ 136 kg



Available Payload Power

2 kW



Wind Speeds

Operational- 55 kts/ survival-70 kts



Nominal Altitude

900 m/ 3000 ft



Flight Duration

14 days



Over 60 Systems Produced and Deployed on the Southern U.S. Border

22M Aerostat

Lowering Sustainment Costs Through Automation

3 OPERATORS – Existing Baseline

TCOM baseline sustainment model is **three operators** per shift for U.S. Army operations.



2 OPERATORS – Available Upgrade

Automation and control enhancements reduce operators from **3 to 2 per shift**; modifications can be installed in-situ on fielded systems; **cost: \$250k per kit** plus installation; lead-time: **under 4 months** plus installation; OJT will provide delta training.



1 OPERATOR – THE FUTURE

Initial testing scheduled for Q4 CY 2025, estimated availability **Q3 CY 2026**; includes **additional automation and control** modifications and assumes 2-operator modifications are installed.

The 2-Operator Model aerostat modernization **reduces annual operating costs** by an average of **\$700K per year** as compared to a 3-operator model for each deployment, providing significant **efficiency and cost savings**. These **savings are even greater** when compared to deployments that use **4 operators**.

This combat-proven platform has a strong track record, with **over 60 systems produced and deployed** in demanding environments, collectively accumulating more than **1 million flight hours**.

TCOM's Integrated Team delivers design engineering to manufacturing to operations allowing us to respond to meet all types of customers needs.

