SureTrak
INTEGRATED DATA SYSTEM

SureTrak is a multi-sensor, fully integrated, data acquisition and display system. SureTrak combines waterway, airspace and environmental monitoring systems in an open architecture, highly scaleable design that can be fielded on inexpensive Commercial Off-the-Shelf (COTS) platforms running Windows operating systems.

The SureTrak suite of integrated data systems incorporates an ever-increasing number of sensors, including a variety of air and surface surveillance radars, thermal and daylight cameras, GPS transponders and environmental monitors. With so much data available in a single system, the SureTrak development team has gone to great lengths to provide operators with the most intuitive and user-friendly interfaces.

SureTrak's sophisticated alarm module and fully integrated database can be used to alert operators to developing situations or to immediate threats involving airborne aircraft or vessels afloat. With the network-centric data service, important tactical data can be disseminated via secure internet portals or wireless/local area networks to other agencies or forces in the field.

Port security

Air surveillance

SureTrak display

Radar installation

APPLICATIONS

- Multi Domain Awareness
- Airspace and waterway management
- Range surveillance
- Homeland security
- Force protection
- Port and harbor security
- Environmental monitoring

Used by military, government and civilian agencies:

- Multiple dissimilar sensor data integration and correlation
- GOTS/COTS
- Data fusion
- User-defined operating picture
- External interface compatibility
- User-defined decision aids
- Established system suport activity
- Modular

FOR MORE INFORMATION

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SureTrak

WHY CHOOSE SURETRAK?

- Affordable – Government-owned software
- Efficient – Dual-use technology
- Effective – Network-centric data distribution
- Compatible – Interfaces with other systems
- Expandable – Modular design; COTS components
- Supportable – Established system support activity
- Scaleable – Runs on laptops or numerous PCs
- Powerful – Fully digital record and replay capability

CAPABILITIES

- Displays ship and aircraft contact data from multiple tracking sources
- Displays surface radar image data; controls remote sensors
- Ingests and integrates environmental sensor data
- Exports track data to a command-and-control environment
- Provides automated camera slaving to radar tracks
- Digitally records and replays data for training or operational analysis

ENVIRONMENTAL MONITORING

- Infrasonic sensor, locally developed
- Captures and transmits infrasonic event data
- Integrates IFF track data
- Noise-complaint database
- Stores data for statistical analysis
- Remotely configurable

NETWORK DATA SERVER

The central data server uses all data types and is capable of providing real-time data, statistical data, historical reports and replays over LAN, WAN and wireless networks to:

- Neighboring facilities
- Base security
- Law enforcement
- Range boats
- Airborne aircraft
- Coast Guard

SURFACE SURVEILLANCE SYSTEM

- Furuno S and X band radar
- Terma radar
- PC-RP radar processors
- Wireless communications
- Integrated with thermal and daylight cameras
- AIS data integration

Features

- Multiple sensors and workstations
- Full sensor command and control
- Automated target detection and auto acquisition
- Track correlation processing with fuzzy logic
- Full alarms module for aircraft and vessels

AIR SURVEILLANCE SYSTEM

- ATC radar
- Military radar
- MATS RGPS network
- Precision tracking radar
- ADS-B/UAT
- Multi-lateration systems

Features

- Automated decision support
- Track correlation processing
- Data analysis capability for incident and airspace utilization or encroachments

INTEGRATED CAMERA SYSTEM

- Provides automated radar and video target detection and discrimination
- Automated cameras slave to track on alarm event
- Automated track following
- All weather, day and night camera components
- Digital data distribution