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Creating Advanced Aerostat Systems



Company

RT is a world - class designer, developer and manufacturer of the SkyStar™ aerostat family proven for use in intelligence, surveillance, reconnaissance, and communication applications. Users active in prevent-prepare-respond-recover settings requiring continuous and compact aerial support are a natural fit for SkyStar™ products.

RT delivers self-contained, versatile, easily transportable, cost-effective tactical system comprised of a mobile control station, ground system module, tether, lighter-than-air platform, stabilized payload platform, and sophisticated sensor suite. SkyStar™ systems are easy to operate, rapidly deployed and customized for a range of operating conditions worldwide in various military and civilian missions.

Currently, systems are deployed in countries such as Afghanistan, Israel, Mexico, Thailand, Canada, Africa and Russia.

Applications

- Unmanned Aerial ISR and target acquisition
- Border and coastal security
- Crisis and emergency management
- Law enforcement and public safety
- Search and Rescue
- Communication relay
- Offshore/onshore business continuity recovery
- Event traffic/crowd control
- VIP protection
- Environmental measurement

Skystar 330

The Skystar 330 tactical aerostat systems are operated continuously day and night ISR operations at 1500 feet and perform in extreme weather conditions. The system is highly mobile and rapidly deployed. It can lift a payload as well as communication relay of up to 50 kg. It provides high quality information gathering and accurate target allocation utilizing tri-sensor gyro stabilized payloads and GPS/INS navigation. The downlink video and interactive digital map are displayed in real time. The communications relay application is transportable and flexible for heights and terrains.



Skystar 180

The Skystar 180 tactical aerostat is a small size highly mobile aerostat suitable for tactical mid-range surveillance as well as public safety, police and military applications. The system is based on a towable trailer and consists of a stabilized day/night electro-optical payload suspended from a helium filled aerostat that is tethered to a ground system. The aerostat is operated continuously, at wind velocity of up to 40 knots. It can lift a payload of up to 18 kg. Skystar 180 provides prolonged medium range surveillance coverage from an altitude up to 1,000 feet, easy to operate and cost effective.



Skystar 100 / 110

The Skystar 100 / 110 mini aerostat system for close surveillance and reconnaissance provides field's commanders with real time "over the hill" reconnaissance capability. The stabilized Electro Optical payload operational both in day and night time, transportable, assembled and launched in 20 minutes, 1,000 meter surveillance range, payload easily controlled from handheld PGCS, user friendly and intuitive interface.

