



SKYDOC™ AEROSTAT SYSTEM

LAUNCH & RECOVERY TRAILER OVERVIEW

SkyDoc™ Aerostat Launch/Recovery Trailer Systems

I. Why a mobile surveillance system.

The need for real-time border surveillance to alert military Forward Operating Bases (FOB) personnel of hostile forces and to deter border crossings from these hostile forces, a mobile “Eye in the Sky” has been found to be a cost-effective solution. The capacity for a small force of military personnel using a highly mobile system for reconnaissance, detection, and possible use of force to deter hostile forces from using these areas to penetrate the border, is a proven method of deterrence.

II. The Mobile Launch/Recovery Trailer

To achieve this objective SkyDoc™ Systems has developed several portable launch and recovery trailers. The launch/recovery trailers are capable of being operated by limited personnel in the field for extended periods of time. A team of four to six personnel can launch, recover, and operate the system for periods of five to seven days with a surveillance camera aloft. If there are no obstructions, the mobile system can be moved from one area to another while still being operational.

SkyDoc™ Systems has been able to provide FOB's with the ability to stay alert to incursions, find and take out sniper positions, and deter forces from surprise day and night attacks. Another solution the aerostat provides is communications. In many remote areas this is a problem SkyDoc™ Systems solved with an addition of a communication package as part of the aerostat payload.

Surveillance video and voice communications are transmitted to the remote command center allowing real-time data to be used for decision making. The ability of the SkyDoc™ Aerostat System to provide a cost-effective way to accomplish this has proven very beneficial to military units across the globe.

The SkyDoc™ Service Trailer has been designed, with input from military personnel, to fulfill the needs of a small team of personnel operating in remote areas for extended periods of time without rear-base support. The two most popular SkyDoc™ Service Trailers are the AXE4LT-4H (single axle) and AXE4FT-8H (two axle) models. Either of these trailers can be attached to any military vehicle, rotary, or fixed wing aircraft, to transit to the location of interest. All trailers are built to military specifications and have a proven track record of reliability.

III. Equipment for Surveillance and Communications

Using a lightweight EO/IR camera with a communication package at an average of 152m or higher above the AGL gives the camera an approximate 44km distance to the horizon. This also allows for communications back to a command center which can have access remotely to see what the camera is looking at.

IV. Why A SkyDoc™ Launch and Recovery System

SkyDoc™ Aerostat System was developed for the protection of a sovereign nation and the personnel that defend it. SkyDoc™ Systems are in use in many parts of the world defending borders, military bases, and civilian populations. In addition to the military aspect the systems are used for a variety of non-military uses. Communications, atmospheric air monitoring, firefighting, and environmental catastrophes are some examples of uses by local municipalities, commercial entities, and universities.

V. Where to Find Us

The SkyDoc™ AXE Launch/Recovery Trailers, SkyDoc™ Aerostat size/lift, and variety of other information is available at our website: <http://www.skydoc.com/>