Fortem SkyDome™

Airspace Awareness and Security Platform

SKYDOME

Identify objects in your airspace. Quickly learn their intention. Initiate an integrated response. Recover and report.

- Fortem SkyDome™ utlilizes Fortem TrueView™ radar's AI-enabled detection and classification technology to provide a complete view and awareness of local airspace around-the-clock, at metro-scale, and in a variety of weather conditions

- Fortem DroneHunter™, a component of SkyDome, is an intelligent and autonomous perimeter safety solution, designed to actively provide physical interception of intruder drones approaching the SkyDome protected perimeter

The benefits of living in a drone enabled world are vast; however, the potential security risks and threats are equally daunting.

Potential challenges include privacy threats, smuggling, espionage, and even terrorism. Areas such as stadiums, prisons, data-centers, power-plants, oil refineries, borders and government buildings are exposed and are potential targets. Nefarious drones, represent potential threats to activities such as parades, concerts, sporting events, public and political gatherings, and nearly any other outdoor activity.

Fortem SkyDome airspace awareness and security platform can detect and classify drones as well as confirm their intention quickly and automatically. The networked system can be used by providers of drone services who wish to cost effectively ensure a safe airspace, or by security professionals who must protect their no-fly zone, provide an integrated response, and recover and report on all airspace activities within their concern.

Fortem TrueView

TrueView radar technology detects and calculates the location and trajectory of airborne objects up to several kilometers away. It can be fix mounted to vehicles, buildings, or towers, providing up to 360-degree surveillance of the surrounding area. TrueView includes AI-enabled detection, classification and monitoring services, and can track multiple drones simultaneously. TrueView radar is efficient, compact and requires less power than an LED street light.

Fortem DroneHunter

DroneHunter is a family of intelligent aircraft, created for the physical interception of airborne intruders. Many unwanted criminal dones fly autonomously on GPS waypoints so there is nothing to jam or apply control takeover methods. DroneHunter is capable of intercepting these "dark" drones. DroneHunter provides autonomous perimeter protection, and is designed to lock onto, pursue, and remediate malicious drones. When a aerial intruder is discovered, SkyDome provides threat levels, drone classification, and an integrated response that can include DroneHunter. Once deployed, the DroneHunter will observe and safely intercept the threat day or night.

System Management and Configuration

SkyDome provides an easy-to-use interface to configure an integrated response, recovery and reporting of activities in your airspace. The system is powerful enough to monitor your airspace from anywhere in the world in real-time. SkyDome can be configured to protect any zone, building, corridor, event infrastructure, etc. Fortem's software platform provides real-time awareness, notifications, alerts, and classification to provide airpsace management and defense against potential threats.

Summary

Fortem SkyDome is an airspace awareness and security platform to which drone operators and security professionals can subscribe to ensure safe skies for their operations and protect no-fly zones for venues and critical infrastructure. Specifically engineered for hundreds of fast moving objects in the sky, SkyDome provides visibility at metro-scale with small distributed TrueView radar networked into a fabric-mesh to provide coverage that goes beyond the capabilities of large traditional radar that is expensive, topology-challenged, power draining, unsafe and difficult to use. SkyDome is an effective solution to keep airspace safe day and night. With AI-enabled algorithms, the data is very accurate, timely and clean to provide airspace awareness to the modern drone world.

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