

# Deployable Surveillance Unit (DSU)

## Working to become a dependable partner of choice

BAE Systems Insyte's joint command & information systems solutions give decision makers the information to make mission critical decisions before opponents can react, minimising risk to our forces and creating greater operational effect.

The highly mobile deployable surveillance unit (DSU) offers versatile vehicle choice dependent on operational requirements.

It combines state of the art radar, electro-optical (EO), infrared (IR) and motion sensors with flexible command and control, to provide an all weather day and night capability to monitor for suspicious activities. The DSU can be integrated into existing systems and compliments other sensors used for homeland security.

The DSU addresses the needs of the emerging homeland security market for a tactical surveillance multi-role capability including:

- checkpoint surveillance
- coastal surveillance
- harbour protection
- key point protection
- crisis response.



The DSU offers versatile vehicle choice dependent on operational requirements

Today's security climate demands continuous vigilance to guard assets against illegal activities; borders and coastlines require monitoring to prevent unauthorized access. The traditional approach of using fixed installations to provide full border protection and surveillance is costly, lacks flexibility and can lose the advantages of covert detection.

The DSU provides an alternative approach which meets the customer's need for mobile and flexible surveillance. It can operate independently or networked with other DSUs and fixed installations to provide a local, regional or national integrated situational pictures as required. Its modular design allows the DSU to be configured to accommodate appropriate integrated sensors tailored for specific operations and local terrain. The ability to vary vehicle selection ensures adaptive multi-role capability and maximum operator comfort in extreme environments.

At the core of the DSU is a highly flexible command & control (C2) system that integrates a wide range of sensors including (but not limited to) radar, electro-optical and infra-red cameras and movement sensors into a common and easy to understand tactical picture. By detecting anomalous or irregular behaviours, the C2 provides early identification of potential problems. The DSU can be deployed rapidly to an area of interest in all weathers to monitor threats covertly and relay information to the commander, via the fully integrated communications system, for better decision making and timely response.

- Modular design allows the accommodation of appropriate sensors
- Low maintenance/high reliability
- Protection, impressive on/off road mobility and adaptive multi-role capability make it suited for both military and internal security applications.

### Versatile vehicle choice

- Commercial
- Off-road
- Protected
- Boxed or trailer variants.

### Adaptable sensor configuration options

- Radars optimised for land and port/harbour use
- Military/commercial electro optics/infra red for positive identification with cue and slew camera capability
- Unattended ground sensors
- Swimmer detection sensors
- Sophisticated Spider C2 with user-friendly HCI
- Dual headed 10m masts for improved observations.

### Secure communications

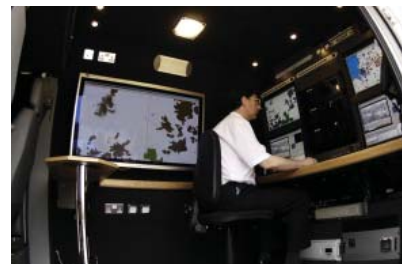
- VSAT communications - high bandwidth for data exchange such as imagery between vehicles and to commanders.
- VHF communications - allows data exchange between vehicles and with deployed units eg forward observers and intercept forces
- Covert WiFi.

### Ergonomics

- Designed for operator comfort in all weathers
- Air conditioned.

### Capable

- Day/night all weather capability
- Designed for rapid deployment
- Sensors and vehicles can be tactically deployed enhancing covertness
- Operates autonomously or networked
- Provides interface to rapid response vehicle
- Minimal training required.



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