

# Key Facilities Protection Industrial & Infrastructure

**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 industrial & infrastructure protection system offers integrated surveillance capability across all aspects of the local environment. The system benefits from a modular design which allows sensor interchange that matches the needs of the facility.

The Spider command & control (C2) system offers integrated, end-to-end situation awareness and protection using layered, proven technologies to deter, detect and delay any intruder - giving more time to mount an appropriate response.

It is configured for permanent installation and can be augmented with deployable options when necessary. It is also possible to integrate existing sensors and surveillance systems.



High quality cameras



Spider command & control



Provision for high security zones



Appropriate perimeter protection

### Command & control

Effective command and control is at the heart of our facility protection systems. For security managers to determine an appropriate response to a potential threat, three vital pieces of information are required:

- Where are my units?
- Where are the threats?
- What assets are available for response?

The Spider C2 system provides integrated end-to-end capability, from sensors to responders. Implementation begins with a thorough site survey. This identifies the threats and vulnerabilities of any chosen facility and forms the basis of the system design and Concept of Operations (CONOPS) development.

### Situation awareness

Situation awareness is crucial in order to best deploy available resources and increase the time available to decision makers.

The Spider system effectively presents information and enables timely responses. The Common Operational Picture is provided by the integration of multiple sensors and fusion of information. Automated monitoring features alert operators to potential threat situations.

### Features

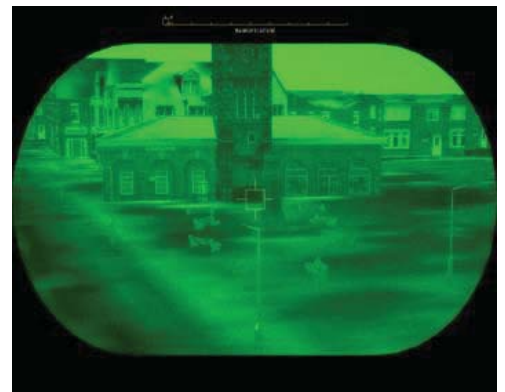
- Complete situation awareness
- All weather/ day and night capability
- Scalable – area coverage as required
- Radar, electro-optical (EO) and infrared (IR) sensor technology
- Permanent configuration of sensors and C2 with the possibility of augmented mobile options when necessary
- Wide area picture interface available
- Configurable areas for alert and alarms
- Track history, route prediction and behaviour monitoring
- Identification, evaluation and prioritising potential threats
- Configurable security levels
- Definable action and response recommendations – security level dependent and customer configurable
- Integration with existing local security forces.
- Threat assessment and risk analysis
- Concept of Operations (CONOPS) development
- Personnel training and development
- Supportable commercial-off-the-shelf (COTS) based products.

### Key components

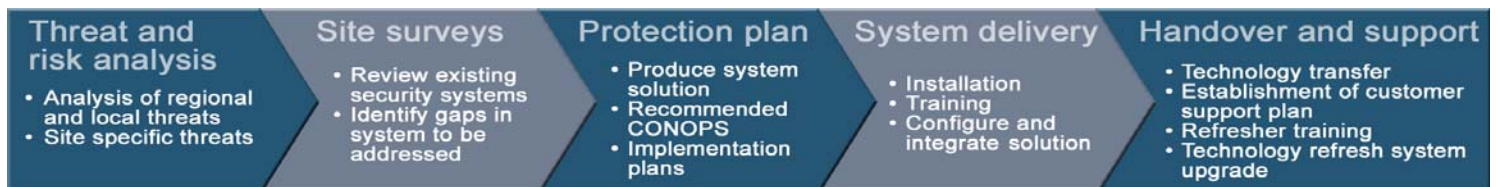
- High Quality and Long Range Cameras
- Ground Sensors
- Guard Houses
- Access Control
- Personnel and package scanners
- Perimeter Protection
- Centralised Spider C2
- Fixed and wireless communications.

### Benefits

- Significantly enhances security
- Provides valuable time to respond
- Supports coordination of a response
- Increases efficiency and effectiveness of monitoring
- Improved operational effectiveness through repeatable responses
- Maintain constant operational effectiveness with minimal manpower.



### OUR WHOLE LIFECYCLE APPROACH OFFERS A TOTAL SECURITY SOLUTION



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