

Key Facilities Protection Port & Harbour

Working to become a dependable partner of choice

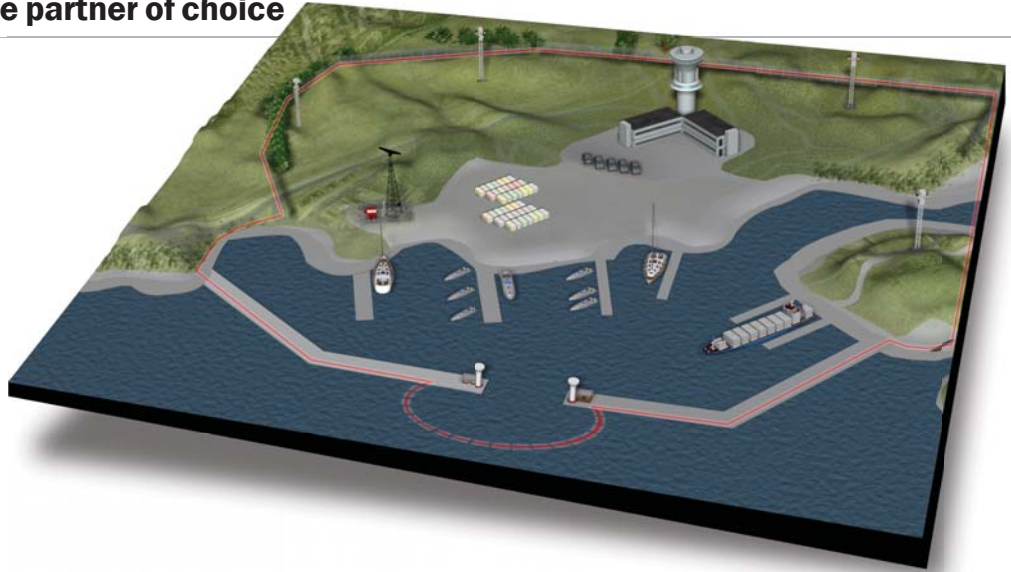
BAE Systems Insyte's joint command & information systems solutions give decision makers the information to make mission critical decisions before opponents can react, minimising risk to our forces and creating greater operational effect.

The port & harbour protection system provides an integrated above and below water surveillance capability.

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.

The system 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



Harbour surveillance radar fixed or mobile



Underwater sensors, swimmer detection, sonar



Spider command & control

Command & control

Effective command & control is at the heart of our facility protection systems. For commanders 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 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

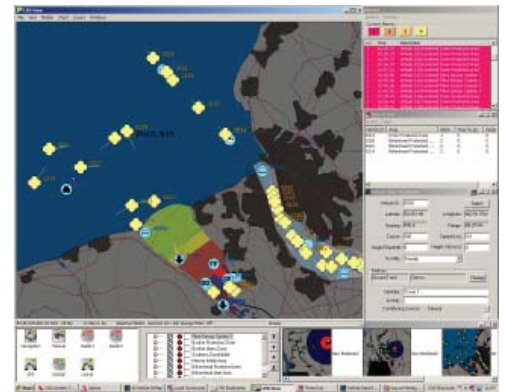
- Complete situation awareness
- All weather/ day and night capability
- Scalable – area coverage as small or large as required
- Sophisticated C2 software
- Radar, electro-optical (EO) and infrared (IR) sensor technology
- Mobile and fixed deployment of sensors and C2
- Shared, co-ordinated area picture
- 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
- Threat assessment and risk analysis
- Concept of Operations (CONOPS) development
- Services of subject matter experts (SMEs)
- Personnel training and development.

Key components

- High quality and long range cameras
- Ground sensors
- Guard houses
- Access control
- Perimeter protection
- Diver and swimmer detection
- Rapid response mobile units and hovercraft
- Centralised Spider C2
- Command console integrated into rigid-hulled inflatable boat (RHIB)
- RHIB sensors integrated into common operating picture
- Integration with off-shore patrol vessels, coast guards and other forces.

Benefits

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

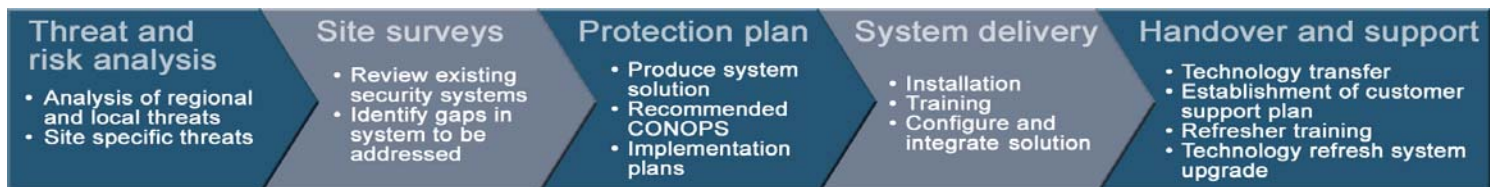


Naples harbour



RHIB USV provides harbour surveillance using radar and EO together with interdiction weapons if required

OUR WHOLE LIFECYCLE APPROACH OFFERS A TOTAL SECURITY SOLUTION



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