Saab designed, developed and installed an integrated security solution to manage front-line protection and visitor movements for fifteen Defence sites across Australia. The sites are now under maintenance support and new system features are providing operational and cost saving efficiencies.

**THE SITUATION**

An intercepted terrorist plot to attack Sydney's Holsworthy Barracks in 2009 prompted an Australia Government-directed review of all Defence protective security. The 2009 review involved a security risk assessment of 88 Defence sites and identified sites requiring priority treatment.

In 2013 Saab was awarded the largest ever single Australian security contract to install security system upgrades to the nominated sites across Queensland, New South Wales, the Australian Capital Territory and Victoria. This included Defence headquarters, air bases, naval bases, Army barracks and Defence training facilities. Saab's security works subcontract was approximately $75M in value and was conducted under Watpac Construction which had a further $75M worth of building and infrastructure related work under the program.

**THE CHALLENGE**

Significant operational changes at Defence sites were required which demanded a comprehensive stakeholder engagement process. Saab facilitated a series of workshops with key stakeholders and users to explain the impact of the new security system on the sites' operations. This also determined how each site's system would be customised for its specific requirements and nuances.

The project had an aggressive delivery schedule with added project management complexities such as how to deliver a large project that sprawled over four states and fifteen sites. To deliver to the agreed time frame, Saab had to carefully plan and manage all aspects of the project which included:

- Detailed design of the security solution which produced some 8,000 design artefacts.
- Resource management of design, installation and commissioning across numerous sites in parallel.
- Logistics management to deliver more than 10,000 items of equipment.

Some 2,000 people who would use the system would be trained as operators, supervisors, and maintainers. This was a big task in itself, however the intuitive nature of OneView™, Saab's solution, provided a seamless transition to the operation.
THE SOLUTION

Saab developed a template which could be adopted and adapted for each different site. Enhanced security across Defence sites comprised:

- Security system infrastructure such as security networks, servers, storage, workstations and control rooms.
- Site access control points, including anti-vehicle barriers and surveillance at entry points.
- Closed circuit TV surveillance and recording.
- Access control and visitor management.
- Intruder alarm monitoring including Type 1.
- Base wide alerting both indoors and outdoors.
- Intercoms.

Saab’s OneView™ Physical Security Information Management (PSIM) System was deployed as the control room head end system that brought this security solution together under a unified system, presenting the operators with a common interface to operate all the different systems. On some sites, existing security equipment was integrated back into the Saab OneView™ system to enhance the site’s situational awareness and control.

Saab’s OneView™ security management platform for critical infrastructure formed the baseline of the system. OneView™ is a mature and robust IP based open architecture integration platform, built to provide real time performance, with high reliability and robustness for critical infrastructure (correctional facilities, airports, city wide safety systems, hospitals, mines, power plants etc).

FEATURES AND BENEFITS

- A fool-proof, robust security system that provides future growth and expansion to bring any site online at anytime or integrate any subsystem.
- Sub-system vendor independence — Defence can pick and choose security sub-systems from different vendors and integrate existing infrastructure and systems.
- The system is customisable. Operators have a modern user interface that is tailored to site specific operational requirements. This includes their business rules defining which equipment is linked and what action is performed on varying alarms and events.
- Industry standards and an IP based open architecture future proofs the system against emerging technologies and changes over its life.
- The system is simple to operate, easy to learn and provides a holistic approach to managing all security sub-systems through one single, consistent and customisable user interface not multiple dedicated sub-system work stations.
- An integrated system log with all alarms, events and operator actions linked with recorded video to provide enhanced forensic search and reporting capabilities.
- The system is networked and provides hierarchical control to consolidate alarm and status monitoring of the complete site and geographically dispersed sites.
- The system can utilise existing and common local area networks and structured cabling systems.