Saab Australia with security management partner, Chubb Electronic Security replaced the Lady Cilento Children’s Hospital security management and video management systems. Saab’s OneView™ was configured to operate on the Children’s Health Queensland Information and Communications Technology single converged network, meet all the organisational needs of the facility and installed with no impact on the hospital’s daily operations.

Saab and Chubb received the 2018 Australian Security Industry Award for delivering this successful system now managing the safety of the hospital’s 2,500 employees, 38,000 anticipated inpatients and 190,000 outpatients visiting annually.

THE SITUATION
Establishing the Lady Cilento Children’s Hospital, was a significant infrastructure achievement for providing world class paediatric health services within Queensland. Planning, developing, constructing and opening the hospital was undisputedly one of the most complex undertakings within an Australian hospital infrastructure setting; and operationally, a very challenging program of work to bring to a safe, satisfactory conclusion. The hospital is the major specialist children’s hospital for families living in Queensland and Northern New South Wales. Some time after commissioning, a decision was made to optimise the hospital’s security management and video management systems with Saab’s physical security information system, OneView.

THE SOLUTION
The concept was to provide a complete security solution to address the hospitals needs from access control and video management, through to communications and asset tracking. A common infrastructure for all critical security systems, managed through one comprehensive user interface, creates a common situational picture. In effect, this is an easy-to-use tool for the hospital’s security team to resolve situations immediately and certain events to be actioned automatically on command.

In this complex project, a combination of intelligent, non-restrictive, high level bidirectional interfaces between the Saab OneView™ security management system and subsystems were incorporated on the one comprehensive user interface.
THE APPROACH

With facilities spread over vast areas and extremely complex by nature, they are busy 24/7 functioning facilities performing critical lifesaving procedures and there is no room for mistakes. To meet these challenges, it was imperative to build a team with our strategic partner (Chubb) and trusted contractors with complex infrastructure project experience.

Before making changes to existing systems or introducing new components, an extensive dilapidation survey was undertaken to identify existing deficiencies. A system functional audit and review of all systems in operation was undertaken. All existing security management system (SMS) and video management system (VMS) functionality across all workstations were documented. A full functional specification for the proposed SMS and VMS replacement systems was prepared and a user workshop with the customer was held to establish the graphical user interface functionality.

PROJECT OUTCOMES

With OneView as the sole security control room interface integrating all the hospitals security and safety subsystems; operators can now monitor and control everything from one simple interface. Their job has been made easier and less stressful. They now have an accurate, reliable system that helps them act fast when they need to.

Our Australian engineering team added a number of new business rules and interfaces to the OneView system to address the hospital’s unique needs and complex operational rules needed to protect a busy, public facility.

We also designed and provided the turn-key OneView Virtualised Solution (OVS) for the site, incorporating all of the virtualised server infrastructure for the SMS and VMS systems, including fault-tolerant networking, storage and firewalls to meet the high-availability and scalability and IT security requirements of the project.

Working with Chubb, Saab OneView into a new vertical market, and allowed Chubb as the incumbent service provider to deliver the project on site with assistance from Saab for specialist OneView configuration, subsystem integration and infrastructure design and delivery.

The project team met the project requirements of Lady Cilento Children's Hospital by providing a fully integrated security management system. The new system delivered:

- improved operational efficiency for the hospital security team
- an intuitive single user interface
- fully integrated sub-systems
- increased storage, quality and video redundancy
- system now operates on a single converged network managed by CHQ ICT
- improved system redundancy, reliability and disaster recovery
- operator and supervisor training plans
- a flexible and scalable solution for future growth.

All major timelines were achieved on time, within budget. Recognising the success of this work Saab and Chubb received the 2018 Australian Security Industry Award for delivering this successful system now managing the safety of the hospital’s 2,500 employees, 38,000 anticipated inpatients and 190,000 outpatients visiting annually.

SYSTEM SCOPE

- 1000 Card readers / doors
- 646 IP cameras
- 7 physical servers
- 54 virtual machines / servers
- 44 workstations
- 2500+ alarm points

More Information

Saab Australia
21 Third Avenue
Mawson Lakes SA 5095
08 8343 3800
www.saab.com.australia