

Road and Rail Safety South Australia

CHALLENGE

Safety on our road and rail networks is an issue of major public significance, with road and rail incidents among the leading causes of fatalities globally. Highways and railways are inherently dangerous places and keeping people out of harm's way is a battle on many fronts involving a range of safety and security controls – from fencing and physical barriers, to signage, surveillance, public awareness campaigns, and intelligent safety and traffic management systems.



PARTNERSHIP

Optic Security Group has been at the forefront of transport applications in South Australia for over a decade – in rail transport, road transport and at the state's airports. Our involvement with the Department of Planning, Infrastructure and Transport (DPTI) Safer Suburbs CCTV Systems, for example, dates back to 2009.

From the genesis of this project, our Adelaide-based leadership team collaborated with key government stakeholders to ensure a **fit-for-purpose result** – from specification to implementation. Comprehensive and specialised, the Safer Suburbs specification requires a high level of customisation and intimate knowledge in networking, **switch and port protocols**, and

customisation of **network servers/network switches** as well as **surveillance software and devices**.

The Optic team conducted installation and integration works in relation to **2,000 Video IP Cameras; 45 Network Video Recorders; 120 Hardened Network Switches; 30 VMS Workstations; 40 Emergency Help Phones; Gallagher access control at 40 sites; 15 Thermal Cameras; and Electronic Fences** at three Stabling Yards. In a networked environment the team worked across **Cisco, Korenix, Indigo Vision and System Servers**, writing high level Interfaces and achieving additional integrations, including **SNMP Server implementation**.

VALUE ADD

DPTI's Traffic Management Centre (TMC) is the highly sophisticated road traffic management hub for Adelaide and the state. Operating around the clock, it manages a range of technologies to monitor and control traffic. Optic Security Group delivered a **video IP upgrade** enabling the centre to switch up to 10,000 cameras to over 500 monitor panes across 16sqm of video wall with ease.

Apart from de-commissioning and demolishing the old analogue video wall, pre-works included analogue to digital conversion to remote legacy cameras and freeway hubs. The works were planned and conducted to a high standard to ensure minimal disruption and downtime.

A new video wall comprising twenty-one 55-inch commercial 24/7 panels were installed to millimetre

precision. Video streaming and full system functionality for the operators was achieved within the working week, delivering ease of use via a range of enterprise and commercial components, and – importantly – a high level of functionality and scalability for the future.

In addition to the experience and skills of our technical teams, Optic brings a wealth of expertise to large-scale public safety projects, including project management expertise, superior buying power, and channel partner relationships. Our Enterprise Security Risk Management approach delivers end-to-end management of our clients' security and safety risks – from identifying and assessing the risks to mitigating the risks with the right solutions and ensuring they remain always fit-for-purpose.