



#SmartDarwin

CHALLENGE

In recent years, the city of Darwin has developed and implemented #SmartDarwin - its first Smart City Strategy - to drive prosperity supported by 21st century digitally and data-enabled technology. These include a range of 'smart' technologies in the Darwin city centre, including surveillance technologies to improve public safety and monitor pedestrian and traffic flows. The idea is to transform Darwin into a destination of choice for businesses, investors, workers, visitors and residents through data-driven decisions, people-oriented design, and safer, smarter streets.

As part of this ground-breaking initiative, Optic Security Group managed a five-month project to deliver the installation of 111 networked CCTV cameras at 39 locations within the Darwin CBD. The tight timeframe made all the more demanding by the usual challenges of delivering big projects at scale in the top end, and the deployment logistics of installing security infrastructure along busy CBD streets and public spaces.

SOLUTION

Optic was tasked with the **design, supply, install, commission, and maintenance of Darwin City Council's (DCC) Smart City Closed-Circuit Television (CCTV) System and Public Address (PA) assets** in key areas of interest within Darwin City CBD – assets all aimed at facilitating the prevention and solving of crime.

It was a project in which Optic's technicians were able to demonstrate their expertise in relation to a range of **CCTV cameras, Network Video Recorders (NVRs) and Video Management System (VMS), Analytics and CCTV supporting infrastructure**, including the deployment of cameras and audio annunciator assets at locations agreed between NT Police Fire & Emergency Services (NTPFES) and Darwin City Council.

"Finding 'converged security' solutions to the unique challenges encountered in smart city initiatives is something that we relish, whether they relate to technical aspects of integration, cyber security of camera networks, or ensuring public expectations around surveillance and privacy are met," says Optic Security Group.

Delivered on time and on budget, the project received extremely positive client reviews, and it took out the 2019 Australian Security Industry Association (ASIAL) award for 'Special event or project over \$500,000'. Most importantly, it has contributed to a smarter, safer, and more secure City of Darwin.

VALUE ADD

Team Optic worked with multiple clients and stakeholders to ensure that the various components of the system were appropriately integrated and secured so that they remained segregated yet with the ability to 'talk' with each other. The integration included amalgamating the 130 project-based cameras into an existing 600 camera platform, a technical challenge combining security electrotechnical skills with advanced networking and deep understanding of the information security dimensions of protecting networked data.

As a smart city project with highly visible CCTV cameras, our technicians were faced with the additional challenge of fielding queries from members of the public, many of whom harboured concerns over privacy and analytics-enabled surveillance infrastructure. Our technicians excelled at dispelling the myths and raising awareness of the project among the public, ensuring that the very people the project was aimed at protecting were also brought on the journey.

Optic's Enterprise Security Risk Management approach can deliver end-to-end management of your security and safety risks – from identifying and assessing the risks and understanding what you are needing to protect, to mitigating the risks with the right solutions and ensuring they remain always fit-for-purpose.

