

# Optic Security Group

## Combating Hybridized Cyber-Physical Threats through Smart Security Solutions

The astounding benefits that the innovative digital technologies such as the Internet of Things (IoT) ensure are mostly accompanied by a fair amount of risks, one notable among them being the inevitable hybridized cyber-physical threats. Although the market has security solutions in abundance, they are mostly endpoint fixes. Organizations require thorough assistance from converged security solution providers that can offer a comprehensive, 360-degree visibility into looming threats and mitigation best practices to eliminate unwarranted difficulties. The power to fulfil this grave need is with Optic Security Group (OSG), a converged security solutions provider that delivers all-encompassing physical and cybersecurity solutions to its customers.

With offices across Australia and New Zealand, in addition to its trans-Tasman operations, the company understands the severe financial risks and reputational fallouts that businesses can encounter due to their vulnerability to the hybridized cyber-physical threats. To this end, OSG works in tandem with its joint venture partner Tesseract and deploys a complete suite of converged security consultancy and solutions. Along with this, the company offers required advice in converged security planning and governance through the design and deployment of physical and digital security solutions.

“From installing our equipment onto the network to conducting network penetration testing and calling in the relevant personnel to act as the red team to better understand the threats and potential attacks, we can handle it all,” mentions Mark Lloyd, the Managing Director of the company.

What differentiates OSG from its contemporaries in the market is the enterprise security risk management (ESRM) approach the company takes while catering to its customers’ requirements. Based on the ISO 31000 Risk Management standard, ESRM identifies all the potential threats and assesses them. It further ranks them based on an organization’s vulnerability and their potential to cause harm, and only then recommends a suite of solutions to defend against them.

For instance, the company’s ‘SmartDarwin’ CCTV project validates

its ability to safeguard organizations and prevent malicious acts by bad actors. The project was undertaken to drive prosperity supported by 21st century data-enabled technology. Team OSG installed a range of CCTV cameras, Network Video Recorders (NVRs) and Video Management System (VMS), analytic software and secure networking, and CCTV supporting infrastructure, including deployment of cameras and audio annunciator assets at locations agreed between law enforcement and Darwin City Council. OSG efficiently handled the design, supply, installation, commission, and maintenance of Darwin City Council’s (DCC) Smart City Closed-Circuit Television (CCTV) System and Public Address (PA) assets in critical areas of interest within the Darwin CBD, in order to prevent and solve criminal activities. Accomplishments like this explain why OSG is a pioneer provider of electronic security in New Zealand that has hosted CCTV data wholly in the cloud using Amazon web services (AWS).

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Moreover, as part of the New Zealand Government’s COVID-19 response, OSG has helped in the design and installation of enhanced electronic security controls at 32 Managed Isolation and Quarantine (MIQ) facilities. Owing to OSG’s crucial role in New Zealand’s COVID-19 response, resilience, and recovery, the MIQ’s witnessed a significant decline in the number of absconders after leveraging the security enhancements.

Building upon such successful collaboration, OSG shall continue to enhance its offerings and its teams’ capabilities and leverage international best practices to safeguard organizations. The company is also investing heavily in expanding its footprint in Australia’s eastern states with a new Melbourne office and a vast Brisbane presence. [AIO](#)



Mark Lloyd,  
 Managing Director