

Integrations Branch
Case Study #2
Physical Secure Zone 4 – Lab Facility

Challenge

A Defence Industry client required the design, delivery, integration and accreditation of a Physical Secure Zone Four (PSZ4) environment, accommodating a boardroom, multi-domain server room and laboratory. The PSZ4 area was to be nested within a PSZ2 outer-office environment, aligning with security-in-depth principles.

Delivering this PSZ4 environment presented considerable complexity, particularly with landlord constraints, evolving user requirements, and tenant-driven design changes that created delays and introduced security risk. These shifting conditions required continuous reassessment of protective measures to ensure compliance with Zone 4 standards while maintaining practical functionality for occupants.

Solution

Early engagement with the landlord, structured change-control processes, and consistent communication with users proved essential in managing competing priorities and preventing further impact to the build program. By implementing rigorous design governance, coordinating security assessments at each decision point, and ensuring that all stakeholders had clear accountability, the project was able to stabilise requirements, mitigate emerging risks, and deliver a facility that was fully accredited as a zone 2/4.

The facility was constructed in accordance with all extant regulations to meet the physical, structural, electronic, acoustic, visual, technical and procedural parameters commensurate to that of a PSZ4.

An airlock was designed and incorporated to provide adequate separation between the PSZ2 Office and PSZ4 Boardroom and meet the designated acoustic rating for amplified speech. A Type 1A (T1A) Security Alarm and Electronic Access Control System were also installed, providing remote monitoring of the facility at all times.

Outcome

Successful accreditation of this Zone 2/4 facility provided the client with a secure, multi-faceted, collaborative environment, enabling **the provision of key services and support to empower government decision makers.**

Total Value = \$1.25M

