

CDC Ltd

CDC SILVERDALE DATA CENTRE



Project Summary

The state-of-the-art ICT data hall building to provide secured data storage.

Asset protection and business continuity governs the design of the building with aim to provide a high-level of risk mitigation, protection and resilience.

To ensure operability of the facility and minimise impact of fire to the assets, the design had looked at an extensive fire protection system while also include compartmentation throughout the data halls, services corridors and utilities rooms forming their own firecells with continual real-time monitoring.

The fire engineering design was an alternative solution using the C/AS2 design framework to support the deviations of fire protection standards to comply with the NZ Building Code.

Client
CDC

Architect
Williams Architect

Date
Early 2021

Crossfire Value to Project

Fire engineering analysis using the alternative solution enabled the design flexibility in the fire protection system to meet the high demands of asset protection from the client.

Robust regulatory stakeholder consultation with peer reviewer and FENZ resulting in efficient Building Consent approvals.