

Protecting a Co-Location Data Centre

Installation and maintenance of a turnkey solution to provide the highest level of fire detection and suppression protection at a Canadian co-location data centre supplying critical services to start-ups and businesses.

Chubb has serviced the fire safety needs of this site for over 20 years. Following an ownership change, the site was converted from an office space to a co-location data centre that provides data management services for the customer's clients.

Data centres pose many challenges in terms of the implementation of fire protection systems. As a result, Chubb has installed and maintains an integrated fire alarm network and dry suppression system, streamlining the process for the customer.

Chubb worked closely with the customer to select the system and to manage the process end-to-end. Since its implementation, Chubb has continued to support the customer to proactively identify and address evolving fire safety and protection, ensuring that the highest level of fire security is maintained.

Customer Needs

- Fire safety protection for the co-location data centre to reduce the risk of a fire spreading quickly through the site once ignited.
- Regimented delivery of services to the standard of multiple internal procedures and varying clearance levels with both the customer and their tenants.
- Strict deadlines with the risk of penalties if the data centre is not serviced and secured efficiently whilst remaining fully Covid-19 compliant.

Approach

Chubb worked collaboratively with the customer throughout all stages of the fitting and maintenance process to ensure the implementation of the most appropriate fire suppression and detection solutions.

Co-location data centres pose complex challenges. Data servers are rented out by different businesses and organisations, which means that each section has distinct clearance and security demands. The customer can also face penalties if a data centre is not available at the time that it was committed to its client. Chubb worked to considerable time pressure, to ensure that the systems were installed and maintained efficiently without compromising on the level of fire protection delivered and Covid-19 regulations.

As a result of the complexity of the site, Chubb provided a turnkey service, managing and overseeing the full suite of supply and installation. This included the management of electricians, technicians, and project managers to complete the seamless installation of fire detection and suppression systems.

Project Summary

- A comprehensive and integrated fire suppression system that optimised protection.
- The fire alarm system was fitted and integrated across the building, with packs containing individual fire alarms all supplied, installed, and monitored centrally.
- The customer decided to proceed with similar fire suppression and detection upgrades to other sites.
- Following the initial fit-out, Chubb has continued to proactively analyse processes to ensure all detection and suppression systems remain highly effective
- Chubb continues to work collaboratively and proactively with the client to identify new risks and solutions.