

Protecting a Hyperscale Data Centre

Protecting a 700,000 sq. ft data centre with critical fire safety systems for one of the world's largest co-location data centre providers.

Chubb has been the preferred supplier of fire solutions, installation and maintenance for a leading global colocation data centre service provider in Canada since 2018.

Our customer has over 200 data centre campuses across the globe. This particular site is among its larger ones in Canada covering an area of more than 700,000 sq. ft., the equivalent of approximately eight football pitches.

Chubb has been responsible for the fire systems at this site, including new areas of construction and development. Our expertise and prior experience working with the customer in other data rooms helped to give our customer confidence in Chubb's ability to enhance fire safety on site.

Customer Needs

- Fire safety protection for an extremely large data centre campus with multiple interlinking systems and products to be installed while continuous renovations take place for new and existing tenants.
- Minimising any risks of disruptions to business operations with strict scheduling and deadlines for installation and maintenance.
- Managing multiple stakeholders, including suppliers, campus management team and data room tenants.



Approach

Chubb installed a range of fire products, including detection and suppression systems for all the data rooms on site. These are connected to a central system which monitors the operability of products. The data provided by this system allows the facility manager to quickly detect any malfunctioning equipment at the site to ensure the continued safety of the data rooms.

Chubb has been able to provide seamless upkeep and installation of new systems in renovated areas of the site, which is in a continual state of development.

The size of the campus, strict timelines and security guidelines that govern service providers on campus added an additional layer of complexity to the work. Chubb's experience on site including account management, technical expertise on the systems and close relationship with the manufacturer has allowed for consistent project delivery and prompt resolution of service issues.

Project Summary

- Chubb has a proven track record working with data centre customers, which meant we were able to recommend and install the best fire safety products for the site.
- The installation of the fire safety monitoring system has improved the ability to identify problems with existing systems, without the need for manual checks, to ensure business continuity.
- Our understanding of the needs of our customer and their individual tenants means there is minimal disruption when new systems are being installed or when maintaining existing equipment.
- Given its scale and global presence, Chubb has been able to match the needs of the customer and source products and parts quickly, providing cost-saving benefits and greater return on investment.