Chubb

Orange Business Services case study

Project overview
Orange Business Services has chosen a Chubb Fire detection extinguishing system to protect its data center against fires.

Both the gaseous extinguishing system and the data center are designed in such a way that the remaining critical infrastructure continues to function, thereby limiting a disruption of the Orange services as much as possible.

Customer needs
- Maximum protection of the continuity of services.

- A future-proof system that is prepared for the expansion of the data center.

- Limiting the space needed for production of the gaseous extinguishing system.

- A cost-efficient system design and an extinguishing technique that limits the effect on the environment as much as possible.
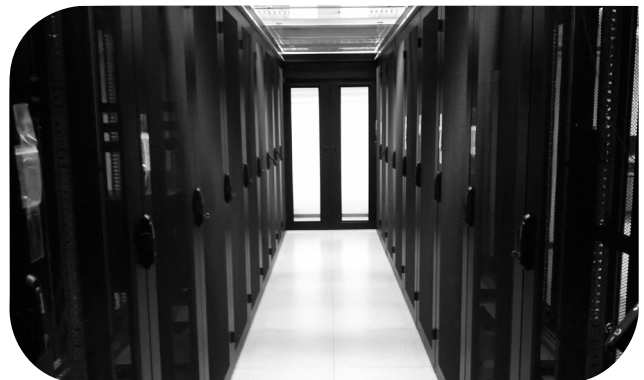
Solution and benefits
The solution provided by Chubb consists of a dual Argonite gaseous extinguishing system which is controlled by the fire detection system, per data room.

Argonite is extremely suitable for extinguishing computer rooms because it does not cause water damage. The Argonite extinguishing gas does not affect the ozone layer, is non-toxic and is also not a greenhouse gas.

With an extinguishing the gas is injected into the room under high pressure (300 bar), after which the oxygen concentration decreases rapidly and extinguishes the fire.

Due to the double design of the gaseous extinguishing system, the data rooms of the data center can remain operational after a fire. This is because the shadow system has sufficient capacity to extinguish the remaining data rooms and critical areas. Work can also be carried out to the gaseous extinguishing system without the data rooms having to be temporarily decommissioned or (expensive) fire officers being involved.

The applied extinguishing gas nozzles are fitted with mufflers. These allow for the minimization of the vibration associated with an extinguishing, thereby preventing damage to data discs.

In addition to a fire detection and gaseous extinguishing system, Chubb also provides the intrusion protection, the access control and video surveillance system in the Orange Business Services data center.

"We chose for Chubb because they helped us find a very efficient and cost-effective solution for our most important challenge: preventing a disruption of our services" says Roel Verkruisen, responsible for Power & Infrastructure at Orange Business Services.

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Chubb Fire & Security