

CASE STUDY

DataChambers
World Class Data Centers



Mission Critical Facilities

When your business is protecting everyone else's business in the cloud...

An integrated Kidde Fire Suppression System is the Smart Choice.

DataChambers is a rapidly expanding IT (Information Technology) solutions company specializing in data center colocation, enhanced cloud and enterprise management services. They also design, build and operate multiple data centers and are SSAE 16 Audited – meeting rigorous national standards for safeguarding client systems and data. It is the mission of DataChambers to offer its clients the most secure outsourcing for their IT data processing.

The North Carolina based company is known for engineering redundancy (no single point of failure) and durability into every critical component of their facilities. This redundancy guarantees uptime and ensures the availability of critical IT infrastructure around the country. It is the DataChambers' version of IT risk mitigation that has been proven extremely effective since they established the company back in 2002. When you step into a DataChambers facility, their dedication to both cyber and physical security is evident throughout every facet of their operations including – the integration of the Kidde ADS™ with FM-200® Clean Agent Fire Suppression System.

Fire Protection that Provides Peace of Mind...

In 2015, DataChambers expanded the company with the opening of a new state-of-the-art 50,000 sq. ft. facility to serve the Charlotte, NC area. Once again, they decided to install a Kidde ADS (Advanced Delivery System) Clean Agent Fire Suppression System to ensure their own business continuity, as well as that of their customers. In the new facility they expanded the fire protection system to include the Kidde ARIES NETLink™ Control Panel with a Kidde BACNET Interface Module.

The BACNET module allows the ARIES NETLink panel to communicate point-by-point with DataChambers' building management system. In the event of a discharge, the fire protection system would alert on-premises employees and the local Fire Department. Remote superintendents and facility managers are notified by email of any alarms, supervisory or trouble alerts.

DataChambers chose to install the FM-200 cylinder bank in a single storage room that was centrally located. The Kidde ADS Suppression System delivers the people-safe clean agent in seconds. This innovative use of Nitrogen drivers allows for greater mass flows (2.5 to 3 times faster) through smaller pipe diameters that can be configured in more complex and longer runs than a standard clean agent system.

Typical Applications Protected by Kidde:

- Commercial Cooking Facilities
- Manufacturing and Industrial
- Marine and Off-Shore
- Mission Critical Facilities
- Petroleum, Gas and Oil
- Industrial Vehicles

Integrated Suppression and Detection System Components:

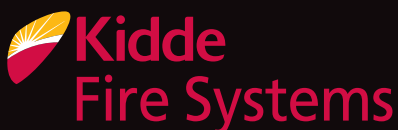
- Control Units
- Smoke Detection
- Heat Detection
- Suppression Cylinders
- Notification Devices
- Manual Pull Stations

Suppression System Agents and Inert Gases:

- Argonite™
- AquaGreen™
- Carbon Dioxide
- FE-13™
- FM-200®
- HFC-227ea
- IND™ Dry Chemical
- Nitrogen
- 3M™ Novec™ 1230 Fluid
- WHDR™ Wet Chemical

Approvals & Listings:

- UL Listed
- EPA Listed
- FM Approved
- USCG Approved



We are Kidde Fire Systems.

Kidde Fire Systems' products save people and property from the dangers of fire. Our broad product offering and design expertise have been protecting assets worldwide since 1917. We're the smart choice when early fire detection and suppression needs are especially demanding. To advance our leadership in the industry, our family of special hazard fire protection brands has united.

Kidde Fire Systems now incorporates Chemetron Fire Systems and Fenwal Protection Systems. As Kidde Fire Systems, we will enhance our customer focus and partnerships, provide highly efficient service and training, preserve a deep combined expertise in an array of vertical markets, and accelerate our product and technology developments, to the advantage of everyone who benefits from a world made safer from fire.

One united company. Advancing fire protection.



When you choose Kidde, you've chosen the world's most respected name in special hazards fire protection.

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