

CASE STUDY

Pharmacology
IT Areas and Show Room



Mission Critical Facilities

Need to protect high-value assets *and* maintain your showroom's appearance?

Kidde Clean Agent Suppression Systems can fill that prescription.

As one of the fastest growing small companies in the United States and a leader in pharmaceutical innovation, this St. Louis, MO based company required state-of-the-art fire protection for its entire operation. The need for complete facility coverage presented the challenge of providing a high-performance fire suppression system to protect expensive equipment and imperative data throughout various areas of the operation. This client also required simultaneous delivery of low-visibility discharge hardware in their product exhibition area.

The Kidde distributor was tasked to provide a cost-effective total fire protection solution – detection, notification, control and suppression. The application engineer had to consider the variety of hazards in multiple zones presented by the facility and their operations when designing the system. Of equal importance to this client was an installation that would not compromise the aesthetic quality of the architecture and furnishings in the company's show room.

Low-Profile Fire Protection for High-Value Assets...

Upon review of the hazard analysis the Kidde Fire Systems' distributor, Ahern Fire Protection, specified a Kidde conventional control panel coupled with ECS™ and ADS™ Clean Agent Suppression Systems (with Pre-Action Sprinkler) to provide the total fire protection package needed for the Class A and Class C fire hazards present.

To equip the client with optimal performance in the most economical system configuration, Ahern Fire recommended the ECS System for protection of the partitioned sub-floor spaces. These spaces would require only a fraction of the suppressant needed to protect the rooms above. However, for the distance zones, Ahern Fire recommended the Kidde ADS System – capable of delivering agent through longer pipe runs. The ADS System was tied into the ECS System to discharge simultaneously if required, with both controlled by the Kidde conventional control panel.

This configuration offered the multi-tasking fire suppression needed to protect the high-value assets located in the computer, telecommunications, data storage and show room. In the event of a system discharge, the clean agent would suppress a fire in seconds without damaging equipment and property or endangering personnel. And all the while, the Kidde suppression system nozzles blending into the background.

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:

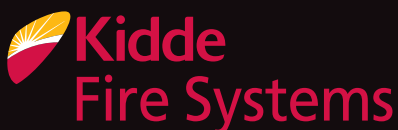
- Control Units
- Smoke Detection
- Heat Detection
- Suppression Cylinders
- Notification Devices
- Manual Pull Stations

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.

A world leader in special hazards. Advancing fire protection.



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

400 Main Street
Ashland, MA 01721 USA
508.881.2000

www.kiddefiresystems.com

FE-13 & FM-200 are registered trademarks of DuPont.
3M & Novec are trademarks of 3M.

Kidde is a registered trademark of Kidde-Fenwal, Inc.
CSK-602 March 2016 ©Kidde-Fenwal, Inc., All Rights Reserved.