

# Two Fire Scenarios. One Outcome: Uptime.

In mission-critical telecom environments, even minor fire events can escalate quickly. Two incidents tested detection, suppression, and response in real conditions.

Both were contained rapidly—no injuries, no downtime, no disruption.

## **FACILITY 1: Battery Rack Fire**

### **The Issue**

A sodium-nickel battery ignited within a rack at an Austin, TX telecom hub. Leaking electrolyte burned downward while heat propagated upward, threatening adjacent battery stacks. Flames and soot quickly filled the room, placing critical infrastructure—and ongoing operations—at immediate risk.

### **The Solution**

An ORR Protection system activated automatically via spot-type heat detectors:

- Immediate agent discharge suppressed the fire at its source
- Fire spread to adjacent racks was prevented
- Personnel extinguished remaining hotspots to eliminate re-ignition risk

Integrated detection, suppression, and response ensured rapid control.

### **Scope of Work**

- Detection systems for battery environments
- Automatic suppression systems
- Ongoing inspection and maintenance

### **The Result**

- Fire contained to a limited area
- No injuries
- No downtime
- No service disruption



## FACILITY 2: Lighting Fire Risk

### The Issue

At a densely populated data center switch facility, a lighting retrofit introduced new LED bulbs into existing ballast fixtures that had not been replaced. This incompatibility created a latent failure point, increasing the risk of overheating and ignition in a mission-critical environment.

### The Solution

A dual-layer fire protection system, previously installed by ORR Protection, provided early detection and controlled suppression:

#### VESDA Detection (Very Early Smoke Detection Apparatus)

- Continuous air sampling to detect microscopic smoke particles
- Ultra-early warning before visible smoke or standard alarms
- Enabled rapid investigation and intervention

#### FM-200 Clean Agent Suppression

- Fast-acting gaseous suppression system
- Electrically non-conductive and zero residue
- Safe for sensitive electronic equipment

### Response

- VESDA detected smoke prior to conventional alarms
- Personnel identified an active flame in an overhead fixture
- FM-200 was manually deployed to suppress the fire
- Fire was extinguished without sprinkler activation or equipment damage

This sequence highlights the value of early detection paired with targeted suppression and trained response.

### Scope of Work

- VESDA system design and installation
- FM-200 system integration
- NFPA 75 and NFPA 76 compliant design
- On-site staff training
- Ongoing inspection and maintenance



### The Result

- Fire contained at inception
- No downtime or service interruption
- No equipment damage
- No operational impact

A high-risk event was reduced to a controlled, low-impact incident.

### Why ORR Protection

- Proven expertise in mission-critical environments
- Advanced detection and clean agent suppression systems
- Deep knowledge of NFPA 75 and NFPA 76 standards
- Integrated engineering, installation, and ongoing support



Protect your facility with a code-compliant fire protection strategy.

800.347.9677  
ORRPROTECTION.COM