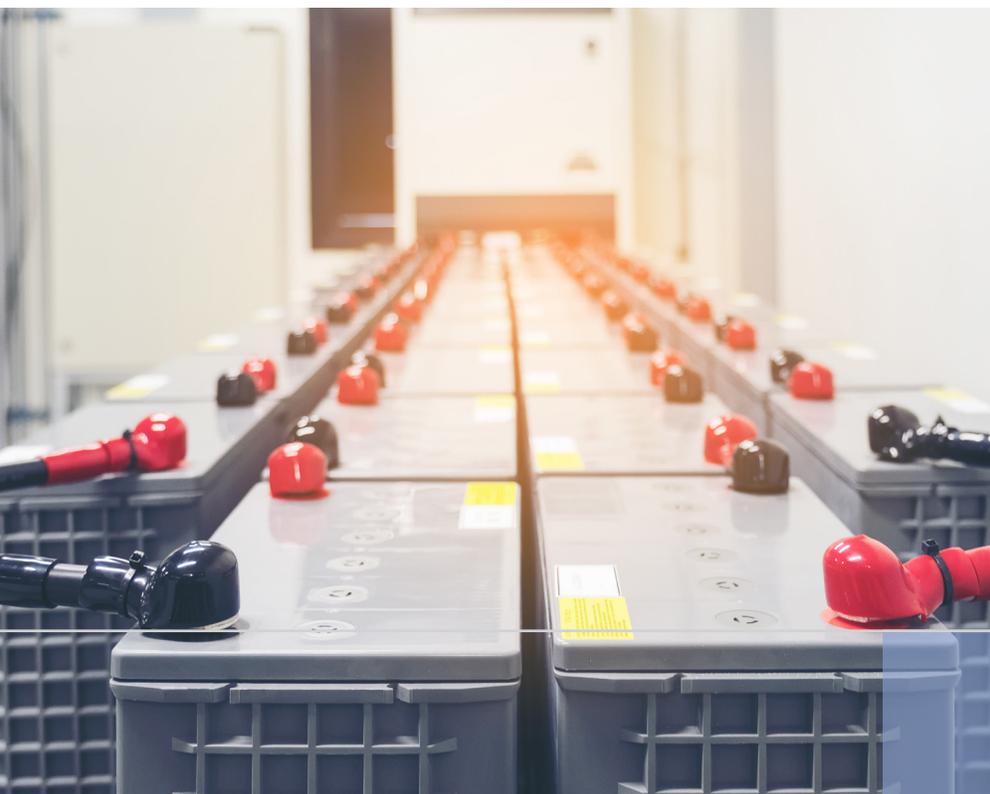


Battery Energy Storage Systems & Uninterruptible Power Supplies

Fire Protection for Critical Equipment Enclosures



Critical Infrastructure: BESS & UPS



Regulatory codes ensure that your most valuable asset – human life – is protected from fire. When it comes time to protect critical infrastructure that is essential to your business, Viking Integrated Safety has the right solutions and most efficient method of delivery.

Statistically, fire is recognized as a significant contributor of non-IT-related outages. Considering the remote nature, criticality, and unique dynamics of modern IT environments, an integrated automatic fire protection system is the first line of defense — to be effective, it must be appropriately chosen, applied and maintained.

Early detection, control and mitigation are crucial to the concept of critical infrastructure fire protection. Using advanced technologies and comprehensive applications, Viking Integrated Safety helps you analyze the hazard, design appropriate solutions, and map out a future plan for inspections and maintenance.

Peace of Mind for Complex Applications

Critical equipment enclosures are typically autonomous and unmanned, and situated within commercial buildings or remote stand-alone structures that house technologies critical to business continuity. A risk-based performance solution, where design and implementation of advanced technologies come together to address unique and dynamic infrastructure challenges, is essential for mitigating risk.

Viking Integrated Safety works with you to develop an effective solution which reliably detects potential events while in the incipient stages of fire development and notifies personnel while initiating automated processes. Using agents safe for the environment and equipment present, the system rapidly extinguishes at the right moment and prevents reignition and spread.

Fire Protection Solutions for Critical Equipment Enclosures

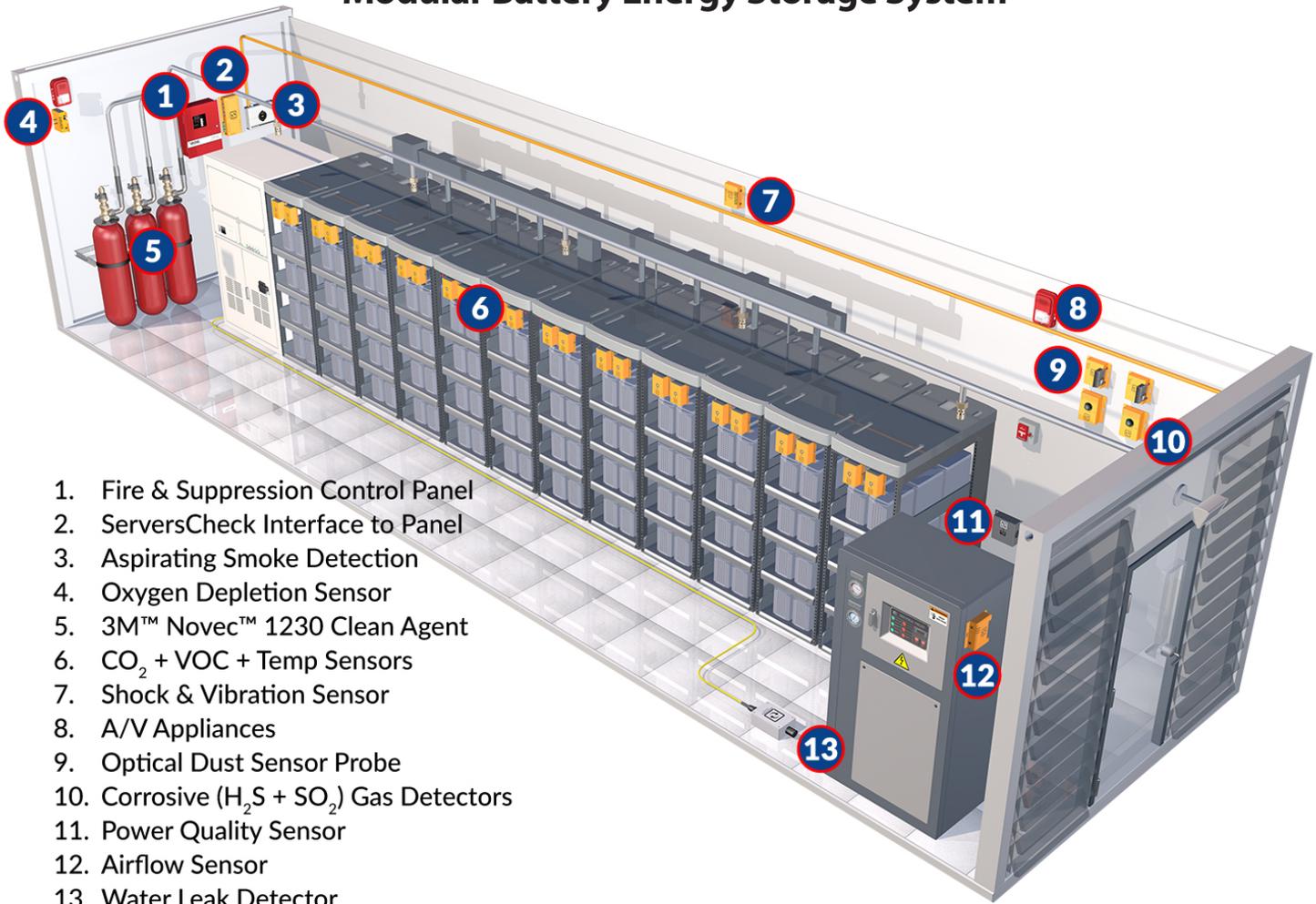
Battery Energy Storage Systems (BESS)

BESS are reservoirs for electrical energy, typically generated from renewable sources like wind and solar farms, or off the existing power grid. They buffer the energy for use when demand rises, or emergencies occur. Increasingly, BESS are used as emergency power systems (EPS) for data centers, replacing diesel- or gas-based systems. Commonly used in BESS, Li-ion batteries deliver good energy density in a small, cost-effective footprint — but that comes with a risk. When a Li-ion cell fails, an explosion or fire exceeding 1800°F can propagate to adjacent cells. With modular and shipping container-type units commonly used to house the BESS, the single Li-ion cell can first spread to adjacent cells, consume the BESS, and then lead to a facility-wide disaster.

Uninterruptible Power Systems (UPS)

When electricity fails completely, power is delivered via an UPS until the emergency standby system is active. UPS systems are usually located in autonomous enclosures and walk-in units, as well as dedicated-use rooms or buildings and include batteries, electrical switch gear, and inverters. Overload or a short circuit of electrical appliances can lead to a fire. If detected in an early phase, power can be disconnected partially and a gaseous agent extinguishing system activated.

Modular Battery Energy Storage System



Viking Products & Contact Information

Count on Viking Integrated Safety to provide industry-leading quality and innovation for your fire protection challenges. You can rely on us to deliver:

Unmatched Quality

Our reputation has been earned by focusing on continuous improvement in all elements of our business.

Product Breadth

The largest selection of fire protection products available from Viking SupplyNet ensures single-point solutions for any fire protection challenge.

Integrated Safety Solutions

Design-based & code compliant safety solutions with full understanding of application protection challenges for solution perfection.



Product Information

Fire Detection and Suppression Control Panels

Conventional Panels
Addressable Panels

Automatic Detection Systems

Air Sampling Smoke Detection
Photoelectric Spot-Type Smoke Detection

Water-Based Fire Suppression Systems

Fire Sprinklers
Valves and Systems

Clean-Agent Suppression Systems

VSH 1230 Halocarbon

ServersCheck InfraSensing Sensors

Unique CO₂+VOC Li-ion Battery Off-Gas Sensors
Variety of Gas Sensors
Thermal Imaging Sensors
Power Quality Sensors
Temp, Humidity, & Airflow Sensors
Shock + Vibration Sensors, & Leak Detection

Pre-Packed Suppression Systems

FireFlex Dual (VSH 1230 + Pre-action)

Peripheral Devices

Audio/Visual Alarm
Manual Stations & Abort Switches

Contact Information

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