

Modular Applications



Modular Fire Safety, Evolved.

Comprehensive Fire Protection Solutions for Evolving Modular and Containerized Needs

Technological advancements and evolving operational demands have redefined modular and containerized infrastructure. These critical facilities require sophisticated, high-performance, and code-compliant fire protection systems that meet today's requirements and anticipate tomorrow's challenges. ORR Protection delivers custom-engineered end-of-life safety solutions to protect the most demanding modular environments.

We understand the pace and complexity of modular projects. Our team combines decades of experience with global scale and localized service, offering fast, flexible, and fully compliant fire protection solutions to protect your data, assets, and uptime.

Over 50 Years of
Proven Expertise
Protecting Modular
& Containerized
Applications

ORR Protection has led the fire protection industry for over half a century. Our capabilities include:

- Extensive knowledge of IFC, UL, and NFPA codes is crucial to modular applications: UL9540A, NFPA 1, 13, 68, 69, 72, 75, 76, 855, 2001
- Over 125 years of combined experience in mission-critical modular deployments
- Trusted partnerships with leading modular fabricators, EPCs, and infrastructure owners across the U.S.
- Extensive manufacturer-agnostic inventory to support projects of all sizes and complexities



orrprotection.com



Tailored Solutions for Any Modular Environment

Whether you're outfitting a single-zone telecom hut, a multi-zone modular data center, or advanced energy storage infrastructure, ORR Protection delivers flexible, code-compliant solutions tailored to your exact needs. Our modular fire protection offerings are designed to adapt across a broad spectrum of applications, including:

Telecom Huts—Compact yet critical, these demand reliable single-zone detection and suppression systems.

Modular Data Centers— Scalable multi-zone environments with paramount uptime and asset protection.

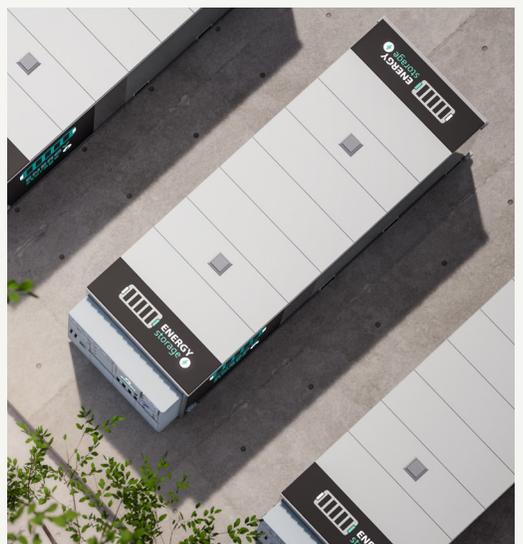
Battery Energy Storage System (BESS) Containers— Used for high-risk applications requiring advanced suppression agents, gas detection, and thermal monitoring.

Power Control Rooms & Electrical Distribution Modules— These are sensitive areas housing switchgear and electrical components, where early detection and system integration are key.

Healthcare Modular Infrastructures— Rapid deployment facilities for extra hospital capacity, testing centers, and specialized units.

Wastewater Package Plants— Scalable and affordable units for treating sewage, disaster relief, and localized treatment.

Rail— Modular facilities aid in accelerating projects, modernizing aging systems with station redevelopment, and upgrading aging systems with station redevelopment and signal and power equipment shelters.



Ready to protect your modular infrastructure?

Connect with ORR Protection today for a no-obligation consultation.

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From simple enclosures to complex, mission-critical containers, ORR's manufacturer-agnostic approach ensures the right combination of fire protection technologies, tailored design, and scalable engineering to meet today and tomorrow's demands.

Fire Alarm & Detection Systems:

ORR provides cutting-edge detection technologies pre-engineered for modular integration:

- Smoke, heat, and multi-criteria detectors
- Aspirating Smoke Detection (ASD) for early-warning protection
- Flame and gas detection for hazardous environments
- Pre-wired modular panels to reduce field installation time by up to 80%
- Pre-tested and factory-configured for seamless onsite commissioning

Fire Suppression Options:

- Clean Agent Systems: FK 5-1-12, Inergen, ProInert, Nitrogen, & Natura
- Water Mist & Dry pipe Sprinkler Systems: For environments where minimal water damage is critical
- BESS (Battery Energy Storage Systems): Specialized solutions for lithium-ion battery protection
- JAD Condensed Aerosol Fire Extinguishing System: small-sized, zero-pressure stored, non-toxic, environmentally friendly, used in various industries
- Fire Protection Tanks: Economical alternative to upgrading municipal lines to meet fire code requirements. CorGal fire tanks meet NFPA and FM standards, backed by structural design calculations. Dual-use tanks can store potable water and maintain fire protection capacity.

Custom Modular Fire Protection Solution Designs:

ORR's modular fire protection solutions are built for rapid deployment, minimal field assembly, and integration with electrical and IT infrastructure:

- Pre-engineered and fabricated ProtectORR systems for fast deployment
- Scalable, modular fire protection components
- Tailored installations to meet project specs and operational demands

The ORR Advantage—Industry Experts, Not Just Salespeople

Our team includes fire protection professionals with extensive industry expertise. Every project is supported by licensed engineers, NICET-certified designers, project managers, and seasoned fire protection specialists who understand modular infrastructure challenges.

From Design to Maintenance, We Do It All:

- The **ProtectORR** application from ORR Protection delivers a full-scope, pre-certified fire protection solution selection for BESS and modular container systems. Select your Advanced Bundled Solutions for Modular Data Centers & Containers. Our online app provides a customizable solution to our customers and OEMs.
- **SelectORR** is ORR Protection's comprehensive software tool designed to simplify the fire protection system selection process for Modular and BESS projects. It was custom-built to provide our customers with Materials (BOMs), steps to certification, installation, and proposal.
- Design & Engineering: NICET Level IV and ISO 9001:2015-certified practices
- Installation & Integration/Project Management: Seamless coordination with mechanical and electrical trades
- Inspection, Test, & Maintenance: Preventive inspections, code compliance testing, routine maintenance, emergency rapid repairs, and detailed documentation
- System Modernization: Upgrade legacy systems to meet today's requirements
- 24/7 Emergency Response: Nationwide dispatch and remote diagnostics

Smart Remote Monitoring—Anytime, Anywhere

ORR's 24/7 monitoring services include:

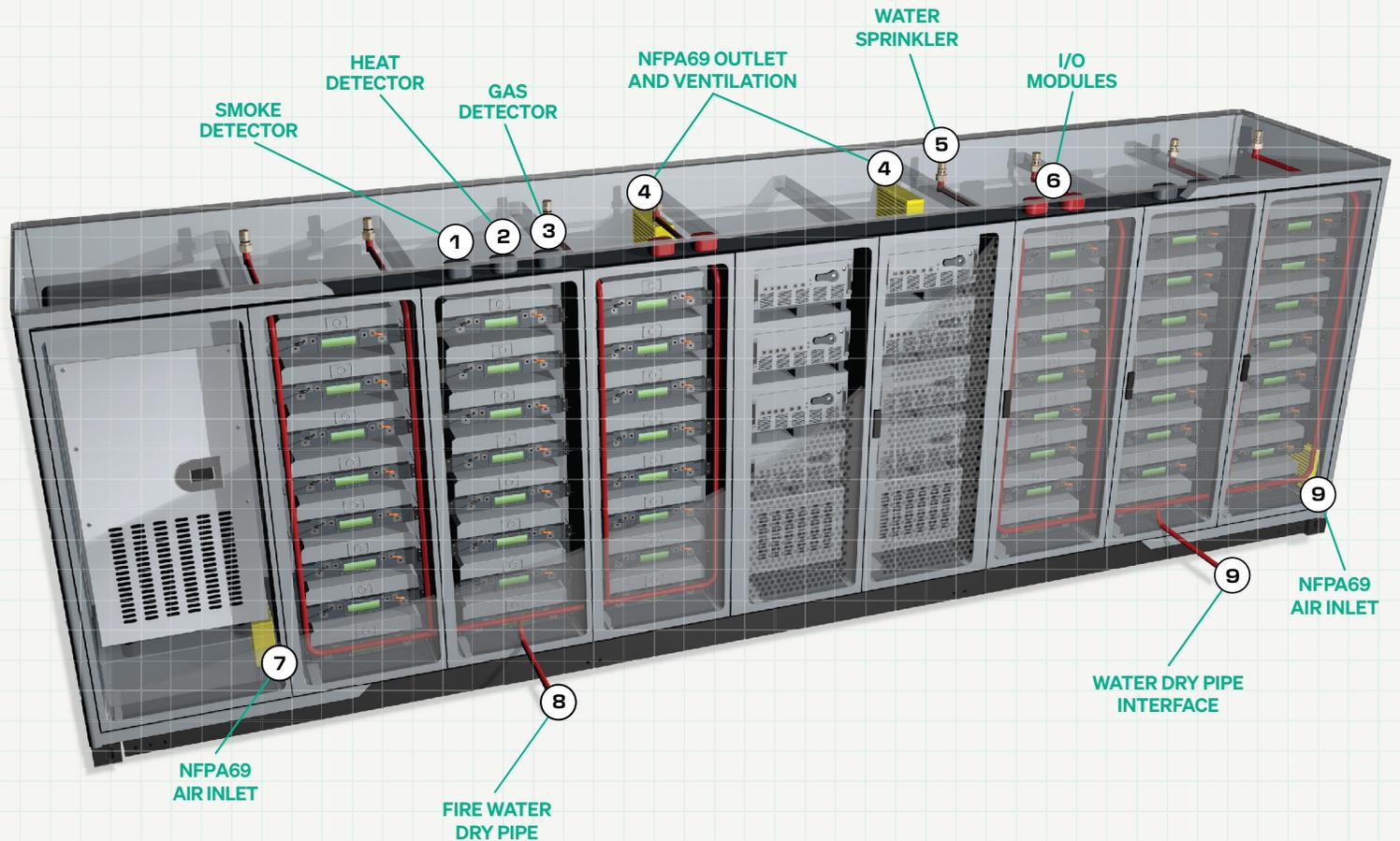
- Real-time alerts for fire, suppression, power, CO, tamper, and elevator systems
- Cloud-based visibility via app or web portal
- Enhanced code compliance and faster after-hours response

Your Modular Application, Fully Protected

From edge computing to critical grid infrastructure, ORR Protection has you covered:

- Data center containers
- Telecom shelters and fiber huts
- Battery Energy Storage Systems (BESS)
- Power control modules and UPS cabinets
- Portable command centers and emergency units
- Industrial storage and petrochemical containers
- Public utility, transportation, and railroad shelters
- Portable Healthcare units

ORR 3D POWER CONTAINER



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Smarter, Safer Fire Protection for Modular Applications



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