



TRANSFORMING AN OUTDATED CAMPUS INTO A WORLD-CLASS DATA CENTER: ORR'S EXPERTISE IN ACTION

The Challenge: A Race Against Time

When a globally known firm took over an aging semiconductor facility to convert it into a cutting-edge colocation data center, it faced a monumental challenge. Due to delayed contracts and engineering setbacks, the project was four months behind schedule. With the clock ticking and stringent deadlines in place, the end user needed a trusted partner to deliver a reliable fire protection system that met the facility's complex requirements.

Enter ORR Protection.

The Solution: Unparalleled Expertise & Seamless Execution

Awarded the project in August 2022 and mobilizing by December 2022, ORR stepped into an environment where coordination was paramount. Managing a 1.3 million-square-foot, four-level retrofit required not only technical expertise but also strategic project management.

Despite a compressed timeline, ORR seamlessly collaborated with general contractors DPR Construction and HITT Construction, integrating its team into high-level project meetings—an uncommon privilege granted due to ORR's in-depth industry knowledge and ability to advise on fire protection best practices.

SCOPE OF WORK: Fire Protection Excellence

ORR delivered a comprehensive fire protection solution tailored to the data center's diverse environments:

- **Facility Size:** 1.3M square feet across four levels and three buildings
- **Protected Areas:** Data center whitespace, classified spaces, offices, support areas, PDUs, CRACs, CRAHs, power systems, load banks, generators, battery storage, and more. The assets of these areas, combined with dollars in revenue and reputation equaling billions of dollars
- **Technology Implemented:** Fire Alarm Notifier Panel and Xtralis VESDA via Siemens





- **Dual Monitoring:** Integrated cellular and CLSS monitoring for enhanced reliability, more importantly, a real-time view of Data Streams of the Life-Safety Systems interconnected seamlessly with the Data Center BMS (Building Management System)
- **Service Commitment:** A three-year extended service agreement ensuring long-term operational stability while maintaining the Highest Performance Levels Mission Critical Uptime

The Outcome: A Successful Retrofit With a Trusted Partner

Despite initial delays, ORR's proactive project management and engineering expertise ensured the facility met its August 2023 completion deadline.

By actively participating in construction meetings, providing real-time progress updates, and swiftly adapting to project needs, ORR transformed potential roadblocks into seamless execution.

The result? The end user now operates a state-of-the-art Colocation / Hyperscale facility backed by an industry-leading fire protection system, with ORR Protection poised for continued partnership in future expansion phases. This Project continues to grow to the present day

Why Industry Leaders Trust ORR

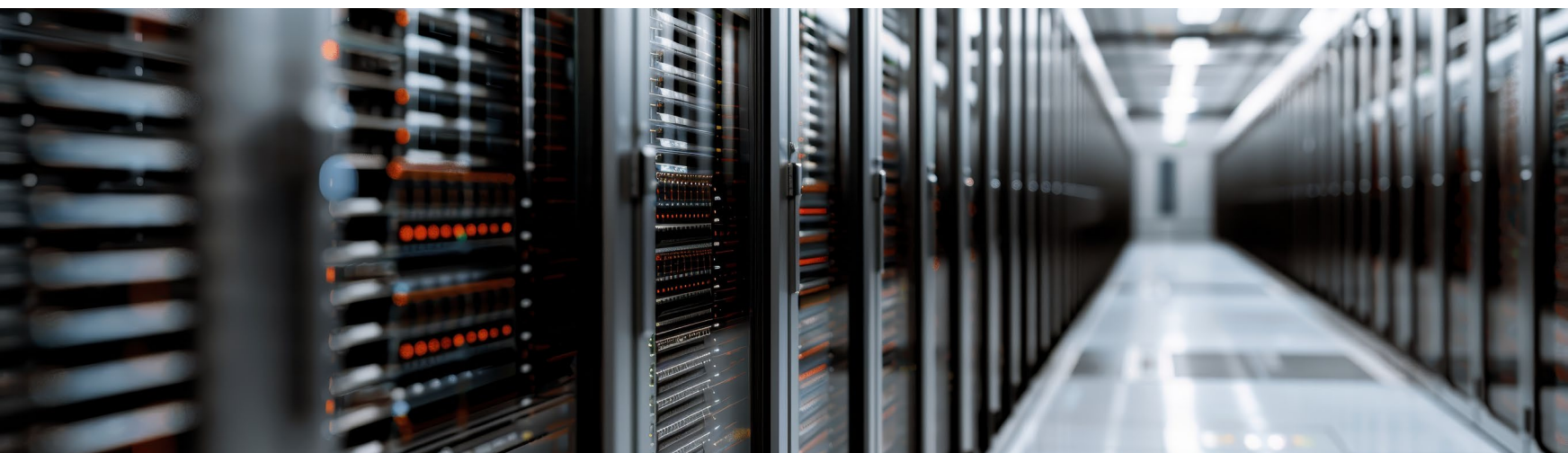
With over a century of combined experience, ORR is more than just a vendor — we are trusted advisors. From underground pump

“A Project with tremendous insurmountable challenges from Day 1 but with Effective Construction Management and Quality Practices we exceeded Project Stakeholder Expectations.”
- Mark Moriarty, ORR Acct Mgr

enclosures to fire suppression systems, our team closes the gaps others miss. Our expertise in PIV (Post Indicator Valve) systems, generator pod enclosures, and fire protection commissioning makes us the go-to choice for mission-critical infrastructure projects worldwide.

When life safety and operational uptime are non-negotiable, ORR Protection delivers.

Ready to safeguard your mission-critical infrastructure? Contact ORR Protection today.



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