



DAY 2 DATA CENTER SOLUTIONS

SPECIAL SYSTEMS INTEGRATION GROUP: POWERING DATA CENTERS WITH EXPERTISE, PRECISION, AND RELIABILITY

Rosendin's highly skilled Special Systems designers and engineers have specialized knowledge to manage complex and high-demand fiber optic systems that data centers rely on, ensuring consistent uptime and performance. We design with the demands of hyperscale data centers in mind, prioritizing fiber optic infrastructure to support high data volumes and compute-intensive operations. Our expertise ensures safe, reliable, and efficient electrical/data systems that support the critical operations of modern data centers. Whether simple or complex, Rosendin can create a system that incorporates the latest technologies and scales to meet increasing data demands.

DESIGNING SYSTEMS TAILORED TO YOUR EXACT BUSINESS NEEDS

OUR TEAM: We have an in-house full design team consisting of experienced engineers who understand the unique demands of data center infrastructure. That specialized knowledge translates into faster identification and resolution of electrical/data issues, reduced downtime, and improved operational continuity.

OUR DESIGN: We design systems that utilize the latest technologies and can scale with growing data demands. By integrating these cutting-edge solutions into existing infrastructure, we ensure compatibility and operational efficiency.

OUR PROCESS: Rosendin's designers and engineers work with stakeholders throughout the process, beginning with understanding the project needs and developing and incorporating world-class solutions tailored to meet the customer's needs while delivering the lowest installed cost with the highest quality.

OUR SOLUTIONS: We design and implement day 2 data center solutions and optimize electrical/data distribution systems while reducing operational costs, ensuring compatibility and operational efficiency.

MARKET SECTORS ROSENDIN SSG DOES WORK IN



COMMERCIAL



INSTITUTIONAL



MUNICIPAL



TRANSPORTATION

STATE LICENSES





TYPES OF PROJECTS

- Structured Cable
- Data/Voice Structured Cabling Systems
- Surveillance/Access Control Systems
- AV/CATV/Paging/Video Walls
- Ladder Rack/Fiber Runner/Cable Tray
- UPS Installations
- Network LAN/WAN
- Building Management Systems (BMS)
- SCADA
- Asset Tracking
- Maintenance Repairs
- Distributed Antenna Systems (DAS) & ERRCS

FEATURED MANUFACTURERS



STRATEGIC PARTNERS



TYPES OF SERVICES WE PROVIDE



DESIGN:

Special Systems/Integrated Services

- Data center design
- Data center fit-up
- Data center co-location
- Data center connectivity
- Data center relocation services

Medium Voltage

- Power distribution services
- UPS installation and configuration
- Containment design and installation



INSTALLATION OF CABINETS, CABLE, AND FIBER RUNWAY

- Implement efficient cable management systems to facilitate upgrades and maintenance



RACK AND STACKING

- Rack integration maintains organization of hardware, wiring, programming the equipment, assembly, mounting, and of course, testing
- PDU and UPS installation



FIBER AND COPPER PATCHING

- Meet today's fast-pace world of data communication with copper and fiber optic patch solutions



BACKBONE FIBER

- Fiber optic cabling is the backbone of hyperscale data centers, connecting servers, switches, and network equipment to facilitate high-speed data transmission and low latency.



SERVERS

- We configure and install a variety of servers, including high-performance AI servers.
- Roll out and deployment