



Sargent & Lundy

Substation Engineering Services for Grid Modernization

Sargent & Lundy Services:

- ❑ Project Scoping and Estimating
- ❑ Substation Automation Engineering & Design
- ❑ SCADA RTU and HMI Programming
- ❑ Substation Physical Security & Cybersecurity
- ❑ Material & Equipment Procurement Support
- ❑ Construction Management Services

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Sargent & Lundy's Power Delivery Services (PDS) Group is ready to put the depth of its energy experiences, personnel resources, quality focus, and proven processes to work on your next assignment.

Substation automation & cybersecurity protection have advanced tremendously in recent years, and now include services and components that were once discrete devices. The type and amount of information exchanged between intelligent electronic devices (IEDs) and SCADA systems within a power system are increasing, which compounds the security risks associated with keeping the substation Local Area Network (LAN) free from cyber intrusions. Sargent & Lundy has the experience and technical expertise to unite all of these services and devices into a custom package designed to securely fit your specific substation automation and data needs.

Technical Overview:

- Completed hundreds of physical security and cybersecurity related projects over the last decade for NERC CIP sites ranging from 115kV to 500kV
- HMIs, SCADA RTUs, I/O Modules, PLCs, IEDs, Metering
- Firewalls, Routers, Switches, Ethernet, SONET, Microwave, Wireless
- Intrusion Prevention Systems (IPS), Intrusion Detection Systems (IDS), Communication Processors, Data Gateways, Access Management

Our track record has proven to create unique solutions by focusing our wide range of resources to satisfy specific client needs. Our PDS Group brings together the precise technical and consulting skills along with the experience needed for the success of each engagement. The resulting scope of our services match the breadth and depth of the technical issues that need to be considered to successfully and securely implement substation automation projects.