

Coastal Power Systems

Power Distribution Solutions for Critical Infrastructure

Custom switchgear, switchboards, engineering, testing, commissioning, maintenance, modernization, and emergency response services for data centers, utilities, power generation, industrial, and other mission-critical facilities.

WE BUILD WHAT WE SELL - WE SUPPORT WHAT WE BUILD

Who We Are

Coastal Power Systems is an engineering-driven manufacturer of critical electrical infrastructure. We deliver complete electrical infrastructure lifecycle solutions—from concept and design, through manufacturing, commissioning, testing, modernization, maintenance, and emergency response. We partner with EPCs, industrial facilities, and mission-critical operators to reduce risk, improve power reliability, and simplify project execution.

Our mission is to deliver dependable, responsive, and practical power solutions that help customers maximize reliability, minimize downtime, and maintain critical operations.

Coastal Power Systems supports every stage of the electrical infrastructure lifecycle, from new equipment design and manufacturing (with engineering support), to testing and commissioning, preventive maintenance, modernization, and emergency response. Planning and budgeting

- Engineering and Design
- In-house Manufacturing
- Testing & Commissioning
- Maintenance and Reliability
- Modernization and Life Extension
- Emergency Response
- Field Services



**Most companies
only provide products**

**Coastal Power Systems
provides complete critical power
infrastructure lifecycle solutions—
from manufacturing through
reliability management,
modernization, testing,
and long-term support.**

Engineering and Design

Reliable power distribution starts with sound engineering. Coastal Power Systems provides engineering support and power system studies to help customers evaluate risk, improve coordination, support design decisions, reduce arc flash exposure, and make informed equipment and maintenance decisions.

- [Engineering studies](#)
- [Power coordination studies](#)
- [Arc flash studies](#)
- Short circuit studies
- Reliability assessments
- Power system design support
- Value engineering

Manufacturing

Coastal Power Systems manufactures and supports custom power distribution equipment for industrial, utility, commercial, and mission-critical applications. Our manufacturing capabilities help customers meet project requirements, replace aging equipment, support expansion needs, and improve power distribution reliability.

- [UL 1558 switchgear](#)
- [UL 891 switchboards](#)
- [UL 67 panelboards](#)
- [Medium voltage switchgear](#)
- [Low voltage switchgear](#)
- [Protection and control systems](#)
- Custom power distribution equipment

Manufacturer Integration

ABB ✦ Eaton ✦ GE ✦ Siemens
Schneider ✦ Toshiba

Testing and Commissioning

Electrical equipment must be tested, verified, and commissioned properly before it is placed into service. Coastal Power Systems provides NETA-guided testing and commissioning support to help confirm equipment condition, validate performance, reduce startup problems, and support safe energization.

- [NETA-guided testing](#)
- [Primary injection testing](#)
- [Secondary injection testing](#)
- [Protective relay testing](#)
- [Medium voltage testing](#)
- [Commissioning services](#)
- Startup support

Typical Electrical Scope

Utility Service • Medium Voltage • Transformers • Main Switchgear • Switchboards •
Generators • ATS • UPS • PDUs • Busway • RPPs • Rack Power

We can engineer, manufacture, supply, test, commission and support the appropriate portions of this scope.



Maintenance and Reliability

Preventive maintenance is one of the most effective ways to reduce electrical failures, extend equipment life, and identify problems before they become outages. Coastal Power Systems helps customers maintain critical equipment through inspection, testing, maintenance planning, infrared thermography, asset support, and lifecycle services.

- [Electrical preventive maintenance](#)
- [Circuit breaker inspection, maintenance, and repair](#)
- [Full circuit breaker restoration and reconditioning](#)
- [Infrared thermography inspections](#)
- [Electrical asset management and lifecycle planning](#)
- [Protective relay and control system evaluation](#)
- Switchgear and switchboard maintenance
- Motor control center maintenance, repair, and refurbishment

Modernization and Life Extension

Aging electrical infrastructure does not always need full replacement. Coastal Power Systems helps customers modernize existing systems, improve safety, upgrade reliability, reduce arc flash risk, and extend the usable life of critical equipment when replacement is not practical, cost-effective, or available within the required timeline.

- [Circuit breaker retrofits](#)
- [Circuit breaker retrofills](#)
- [Switchgear modernization](#)
- [Arc flash mitigation](#)
- Reliability upgrades
- Obsolete equipment programs
- Asset life extension

Emergency Response

When critical power equipment fails, response time matters. Coastal Power Systems provides emergency support for facilities facing equipment failures, outage events, replacement challenges, troubleshooting needs, and urgent power distribution problems. Our combination of field service knowledge, equipment expertise, and manufacturing capability allows us to respond quickly when power system reliability is at risk.

- [24/7 emergency support](#)
- [Emergency equipment replacement](#)
- [Outage response](#)
- Temporary power solutions
- Emergency troubleshooting
- Critical infrastructure recovery



Field Services

Coastal Power Systems provides electrical field services for facilities that depend on reliable power distribution equipment and coordinated system performance. Our field capabilities support equipment startup, system verification, preventive maintenance, troubleshooting, repair, refurbishment, and lifecycle support for industrial, utility, commercial, and mission-critical electrical infrastructure.

- [Primary and secondary injection testing](#)
- [Medium voltage pot testing](#)
- [Electrical commissioning](#)
- [Engineering studies](#)
- [Protective relay testing](#)
- Vacuum bottle integrity testing
- Electrical equipment repairs
- Maintenance and cleaning
- Equipment refurbishment
- Device and accessory installation

WHY PARTNER WITH COASTAL POWER SYSTEMS?

- 30+ years of power systems experience
- In-house manufacturing with engineering-first approach
- Switchgear, switchboard, panelboard, and protection system expertise
- NETA-guided testing procedures
- Field service and manufacturing support under one roof
- OEM and obsolete equipment knowledge
- Breaker modernization and retrofit experience
- Fast turnaround for critical equipment needs
- 24/7 emergency support for urgent power system issues
- Complete electrical infrastructure packages
- Single point of responsibility with faster communication and project execution



INDUSTRIES WE SERVE



Coastal Power Systems provides custom power distribution equipment, engineering support, testing, commissioning, maintenance, modernization, and emergency response services for critical electrical infrastructure across a wide range of [industries](#).

- Data Centers
- Utilities
- Power Generation Facilities
- Oil & Gas Operations
- Petrochemical Facilities
- Industrial Manufacturing Plants
- Water & Wastewater Facilities
- Transportation Infrastructure
- Municipal & Government Facilities
- Critical Infrastructure Operations
- Commercial & Institutional Power Distribution