

SUBSTATION CONSTRUCTION

Spark Power offers complete design, construction, installation, and commissioning services.



FULL SERVICE

Providing end-to-end electrical contracting, operations and maintenance services for industrial facilities, OEMs and utilities across North America.



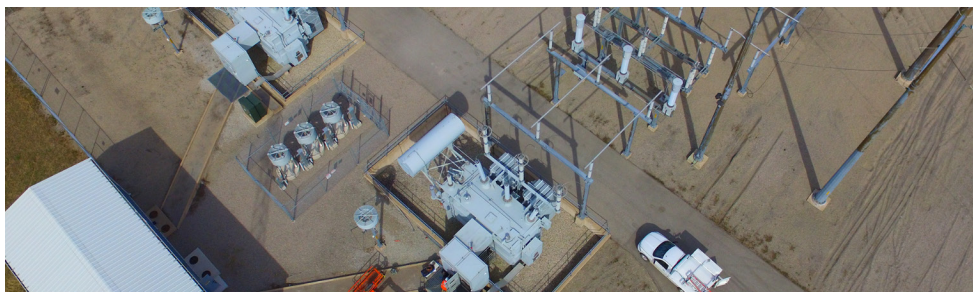
EXPERIENCED

Over 1000 highly skilled, dedicated, technicians have the knowledge and expertise to deliver solutions from consultation & design through to installation & maintenance.



RESPONSIVE

We mobilize our dedicated technicians quickly and efficiently to your site to optimize your facility, minimize downtime, and maintain your productivity.



Custom Design Solutions:

We offer full design service with professional engineering of high voltage, medium voltage, studies and coordination of electrical infrastructure and substations.

Installation and Build:

Expert technicians install all types of transformers, switchgear and electrical infrastructure safely and efficiently.

Preventative Maintenance:

Maintenance programs help to ensure the lifespan of your electrical infrastructure to minimize downtime, including testing, oil sampling, analysis and troubleshooting.

Turnkey services including project management, material procurement, quality assurance, safety performance, testing and commissioning.



Design

- Substation layouts, elevations
- Ground grid
- Equipment specification and selection, utility coordination
- Short-circuit, arc-flash, coordination studies
- Protection and control systems, SCADA



Build

- Transformer and switchgear
- Pole line and open-air
- Control buildings, panels and SCADA systems
- Grounding systems
- Medium - high voltage cable
- Underground distribution



Maintain

- Transformer and switchgear testing and maintenance
- Oil sampling and analysis
- Component refurbishment
- On-call services, 24/7



Upgrade

- Service upgrades, and modifications
- Sales of new transformers and switchgear
- Generator interconnection
- Reliability and power quality improvements