

ENGINEERING SERVICES

Spark Power provides end-to-end engineering services, specializing in high and medium voltage electrical systems.



FULL SERVICE

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



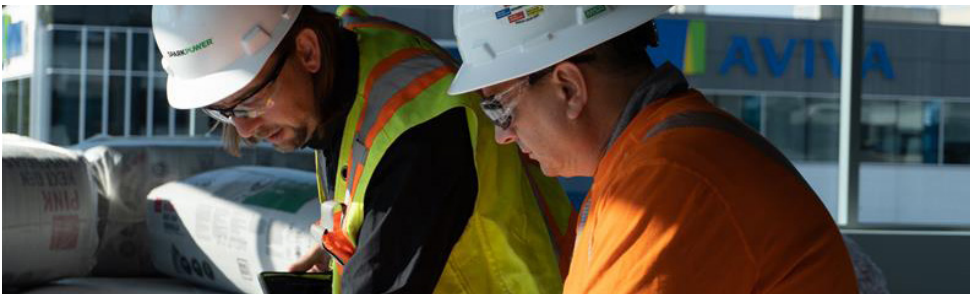
EXPERIENCED

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



RESPONSIVE

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



Utilities Engineering:

Our team is equipped to work alongside local distribution companies, providing a full range of engineering services including substation and overhead design, system studies and field engineering services for greenfield and brownfield projects.

Industrial Engineering:

With a broad range of industrial and commercial experience including oil and gas, data centers, food and beverage, and manufacturing, our team can provide you with power system solutions for your new and/or existing facilities ranging from power system design, system studies, protection and control.

Renewable Systems Engineering:

We have extensive experience providing engineering solutions for solar, battery energy storage, and microgrid projects including design, SCADA, protection & control and owner's engineering services.

Our engineers, technologists, and drafting professionals located across both Canada and the U.S. will deliver timely, reliable, cost-effective solutions and designs.



Power System Design

Power distribution design (electrical, civil and structural)



SCADA Engineering

Design and programming, interconnection and network design, HMI.



Protection and Controls

New and retrofit designs, relay programming, maintenance and testing services, E-House design and supply. Vendor Neutral.



Power System Studies

Load flow analysis, grounding studies, harmonic analysis study, power factor correction study and short circuit, coordination & arc flash studies



Overhead Systems

Pole line planning & design, elevations, framing, equipment selection and analysis.



Civil and Structural

Substation structure design, foundation, grading and drainage.