



Power Studies

Power studies are an essential part of keeping your facility safe, but keeping on top of them can be an inconvenience. As electrical system experts, we're here to take all of the hassle out of the process. We'll tailor the study to fit your facility's needs and present our findings in a way that makes sense to you. In order to best fit your schedule, we offer service agreements to simplify the renewal process.

Why FZ?



Service agreements simplify the renewal process



Electrical experts perform the studies



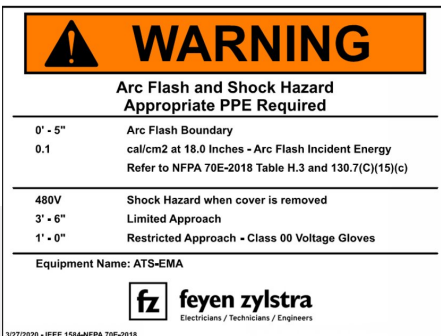
Streamlined experience



Provides you with peace of mind



Study results pair hand-in-hand with the solutions we offer



Arc Flash Studies

An arc flash study is an assessment that determines the fault and short circuit hazards present in an electrical system. During an assessment, we'll gather data on your electrical equipment, develop one-line diagrams of your electrical system, and provide identification for each distribution center and its equipment. In the end, you'll receive a safety plan that outlines necessary equipment warning labels, PPE requirements, and actions needed to meet code compliance requirements.

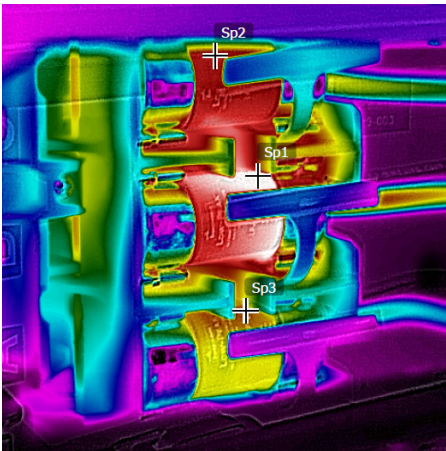
Reasons to Complete an Arc Flash Study

Ensure Compliance

Arc flash studies must be renewed every 5 years under OSHA and NFPA 70E. Additionally, numerous electrical codes may apply to your business, depending on its nature, operational needs, and location.

Keep your Team Safe

An arc flash study helps define and reduce hazards in your facility. It also creates a solid basis for qualifying onsite employees and indicating the right amount of PPE for them to wear while servicing equipment.



IR Thermography Reports

An IR thermography report detects the infrared energy of your electrical equipment and displays an image of how its heat is distributed. Our team provides you with a report, outlining your equipment’s electrical overloads, failures, and hazards, as well as hot spots and poor connections. It will also determine if troubleshooting or maintenance is needed for your electrical distribution system.

Benefits of IR Thermography Reports

- Identifies planned maintenance priorities: discovers if your equipment needs to be repaired, replaced, or monitored
- No contact needed with the equipment
- No downtime required
- Real-time output & quick results
- Helps avoid expensive repairs and emergencies
- Improves system performance
- Increases equipment life



Power Quality Study

Power systems are prone to fluctuations such as power factor issues, load unbalance issues, and harmonic distortion. When left unchecked, these can result in equipment damage and failure. A power quality study is a systematic approach to identify existing issues in a facility’s power system. We recommend a study if you are experiencing any of the following:

- Penalties are given from the utility company for bad power factor
- Frequent down time
- Problems when certain equipment is running
- Computer systems are locking up or losing data
- Circuit boards and/or critical electrical components are getting damaged

Benefits of a Power Quality Study

- Minimizes downtime and interruptions
- Saves money and operation costs
- Maintains productivity levels
- Increases safety

