

ASSESSMENT SERVICES



Our power system assessments are performed by experienced, licensed professional engineers. They can be customized to meet your needs and can help your company address reliability issues, process disruptions, code violations, outdated safety requirements, and more.

Disturbance Monitoring and Power Quality Analysis

Power quality issues can be caused by a variety of problems, including over-voltage, under-voltage, outages, electric noise, and harmonic distortion, and can cost hundreds of thousands of dollars in equipment damage and lost work time. Our engineers will document the symptoms, examine damaged equipment, assess the power and grounding in the area, collect data using temporary monitors, and develop a report of findings that identifies the most probable cause. We will also recommend cost-effective mitigation solutions to prevent future occurrences of the problem.

Power System Grounding Evaluation

Components of a grounding system are subject to deterioration over time and can lead to an increased chance of fire, data and equipment losses, process anomalies, plant shutdowns, and workplace safety hazards. Our engineers will develop a scope of work to address your areas of concern, which will include documenting the baseline condition of your grounding and surge protection system, and recommending corrective actions to ensure your facility remains in compliance with current electrical codes and standards.

Equipment Condition/Maintenance Evaluation

Our engineers can provide a basic equipment condition evaluation by visually inspecting the equipment during a walk-through of the facility. They will present an overall assessment of the structural, mechanical, and electrical integrity of the equipment and document any observed safety, operational, or maintenance concerns. This information can be used to inform decisions about repairing, replacing, and reconfiguring equipment to optimize your power system.

Risk Assessment

A risk assessment is used to evaluate the condition of the electrical system as well as the vulnerability of a facility or process to the adverse effects of an unexpected electrical event. Four key factors are used to determine the overall risk to a facility or process: personnel safety, critical-function impact, likelihood of occurrence, and facility vulnerability.

Contingency Planning

Our engineers will identify a power system's key components and evaluate available alternatives, in case of a major asset loss. They will then produce an action plan to be implemented in the event of a major loss.