

- **Uncertainty about system integrity and potential future failures.**
  - The Data Center Assessment adds a layer of inspection and evaluation to your existing service plan. This reduces uncertainty, decreasing the likelihood of a failure, and increasing the availability of your mission-critical equipment
  - Identify and address emerging problems early, annual Infrared Inspections can identify potential problems before an incident or failure occurs.
- **Unidentified or unknown equipment in data center or computer room.**
  - The dynamic nature of today's mission-critical environments often results in unknown IT and electrical equipment adds and changes. The Data Center Assessment includes a physical equipment inventory which provides the customer with a current and complete record of all his/her electrical equipment supporting their critical load.
- **Safety and/or regulatory concerns about electrical fires, shorts, etc.**
  - Is your data center in compliance with The National Electrical Code, NFPA 70, Section 110.16? The Data Center Assessment verifies the existence of proper Arc Flash labeling and current short circuit & coordination studies. Completion of these activities identifies potential hazards thereby reducing the risk of the occurring in the future.
- **Unexpected system downtime.**
  - The Data Center Assessment identifies potential gaps in your power and cooling strategies, identifies single points of failure, and makes recommendations to increase system availability.
- **Protecting capital investment.**
  - Damaged equipment is expensive to repair and / or replace. Implementing the service recommendations included in the Data Center Assessment protects the mission-critical equipment and prolongs service life, thus insuring the customer's capital investment.
- **Cost-effectiveness of preventive / predictive maintenance.**
  - The Data Center Assessment is an affordable way to identify system gaps / issues that may lead to system downtime. This is accomplished via the site walk-through, maintenance plan review, and 7-day load study. The cost of performing this assessment is far less than the cost associated with an unplanned outage.
- **Uncertainty about the accuracy of mission-critical documentation and maintenance levels.**
  - The Data Center Assessment includes a 'Maintenance Record Review. The existing service documentation is reviewed and recommendations are provided leveraging industry recommendations and best practices including, but not limited to:
    - International Electrical Testing Association (NETA)
    - Institute of Electrical and Electronics Engineers (IEEE)
    - American National Standards Institute (ANSI)
    - National Fire Protection Association (NFPA 70E)