



An ERS Customer Testimonial

# Staying Ahead: ERS Delivers Rapid Arc Flash Studies for Semiconductor Leader

*Facing tight compliance deadlines and limited internal expertise, ERS partnered with a semiconductor company to complete arc flash studies across multiple locations, deliver results ahead of schedule, and strengthen safety awareness while ensuring full regulatory compliance.*

## Background

A fast-paced semiconductor company, known for its innovation and multi-site operations, was facing rapidly approaching safety compliance deadlines across key locations. With facilities spread between its headquarters and a large campus in Colorado, the organization needed to complete arc flash studies to remain compliant with industry regulations and internal safety policies. However, the customer had limited in-house expertise on arc flash studies, which made it difficult to scope, plan, or manage the process effectively on their own. As a result, they needed a knowledgeable, dependable partner who could both deliver the required studies quickly and help guide them through the complexities of electrical safety compliance. Reliability, education, and speed were top priorities.

### Company Profile

A global semiconductor manufacturer, this company operates advanced facilities that produce high-performance components for a wide range of electronic applications. Focused on innovation, safety, and reliability, the organization depends on robust infrastructure and proactive risk management to ensure continuous production and long-term compliance.

### Industry

Semiconductor

### Location

Western USA

## Benefits

- Arc flash studies completed ahead of deadlines at multiple locations
- ERS provided clear guidance to improve customer understanding of arc flash
- Multi-site project managed efficiently with minimal operational impact
- Customer achieved full compliance and enhanced safety planning

# Challenge

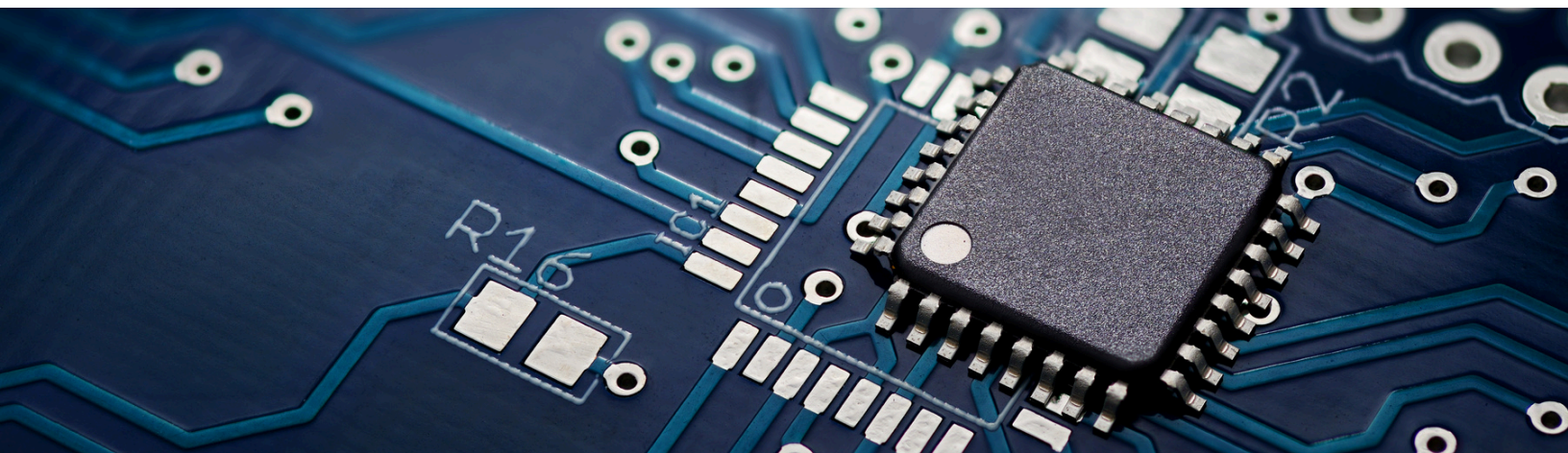
The customer, a semiconductor company with operations spanning multiple locations, faced increasing urgency to meet arc flash compliance deadlines. Several sites, including their corporate headquarters and a large campus in Colorado, required up-to-date arc flash studies to align with industry regulations and internal safety goals. The internal team had limited experience with arc flash requirements, which made it difficult to effectively plan and execute the necessary steps. At the same time, critical operational priorities limited their capacity to oversee a multi-site technical project. The complexity of the work, combined with short timelines and limited subject matter expertise, created a clear need for a reliable partner. The customer was looking for a team with the knowledge, flexibility, and resources to complete the studies on time, provide clarity throughout the process, and reduce the burden on their internal staff.

# Solution

ERS responded with a comprehensive plan tailored to the customer's needs across each location. The team began by coordinating logistics and scheduling to ensure all assessments could be completed efficiently. Experienced technicians conducted arc flash studies at both the headquarters facilities and the Colorado campus, carefully collecting data, evaluating risks, and preparing documentation for compliance. With extensive knowledge of industry codes and safety practices, ERS ensured the work was accurate and aligned with current standards. Throughout the engagement, the team kept the customer informed, answered technical questions, and provided valuable insights to increase their understanding of arc flash safety. By managing the project from start to finish and offering consistent communication, ERS created a smooth experience that allowed the customer to stay focused on core operations.

# Results

- ✓ ERS finished arc flash studies early, meeting all deadlines
- ✓ Compliance was achieved with no operational disruption
- ✓ Customer improved their arc flash hazard awareness
- ✓ ERS' accuracy and efficiency boosted customer trust
- ✓ Customer is prepared for future compliance and trusts ERS



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