

# Elevating Electrical Safety: ERS Delivers Rapid Arc Flash Study for Global Manufacturer

*Facing increasing safety regulations, ERS partnered with a manufacturing facility to conduct a full arc flash study, enabling equipment compliance, protecting personnel, and meeting critical deadlines without disrupting production.*

## Background

A long-time ERS customer, a global manufacturing facility with multiple production lines and a highly complex electrical infrastructure, was facing heightened regulatory pressure to improve workplace safety and reduce risk. With new standards in place and compliance deadlines approaching, facility management recognized the urgent need for a comprehensive arc flash study to assess and mitigate electrical hazards throughout the plant. Due to the scale and intricacy of their operations, they needed a trusted partner with deep arc flash expertise, proven knowledge of their facility's unique layout, and the ability to deliver accurate results within a tight timeline. Just as important, the project had to be executed without interrupting day-to-day production, making operational continuity a key priority alongside safety and compliance.

### Company Profile

A global manufacturing leader with facilities spanning multiple regions, this organization produces critical components for various industrial sectors. Focused on operational efficiency, employee safety, and strict adherence to evolving industry regulations, the company operates high-demand production lines that require reliable and compliant electrical infrastructure to support continuous manufacturing processes.

### Industry

Global Manufacturing

### Location

USA

### Benefits

- Arc flash study completed on time and in full compliance with safety standards
- NETA-certified technicians delivered expert testing and breaker operations
- Existing facility knowledge enabled fast, efficient execution
- Long-term partnership strengthened through consistent service quality

# Challenge

The customer was under increasing pressure to meet updated electrical safety compliance standards and avoid potential regulatory and operational risks. After an internal assessment, their teams identified the need for a comprehensive arc flash study across all operations to evaluate equipment hazards and better protect on-site personnel. The project came with a tight timeline, requiring a high level of technical expertise and careful coordination to ensure it could be completed without disrupting ongoing manufacturing activities. In this case, the customer wasn't just looking for a service provider; they needed a reliable partner who could manage the full scope of the project, deliver accurate and compliant results, and meet critical deadlines with minimal impact to daily operations. Trust, precision, and proven experience were essential from day one.

# Solution

ERS quickly stepped in with a tailored approach built on their strong history with the customer and deep familiarity with the facility's electrical infrastructure. This existing relationship enabled ERS to expedite the planning phase and developing a project schedule that aligned with the customer's tight internal deadlines. Drawing on their expertise, ERS deployed a team of NETA-certified technicians to lead the arc flash study, performing thorough equipment assessments and executing all required testing with precision, care, and strict adherence to safety protocols. Breaker operations were completed without incident, and ERS maintained continuous, open communication with the customer's team to ensure full alignment, minimize disruptions, and provide real-time updates. The result was a seamless, well-coordinated effort that kept both safety and compliance front and center.

# Results

- ✓ ERS completed the arc flash study on time and to code
- ✓ All equipment was brought into safety compliance
- ✓ Work was efficient with minimal operational disruption
- ✓ Customer praised the team's professionalism and results
- ✓ Project reinforced trust and opened doors for future work



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