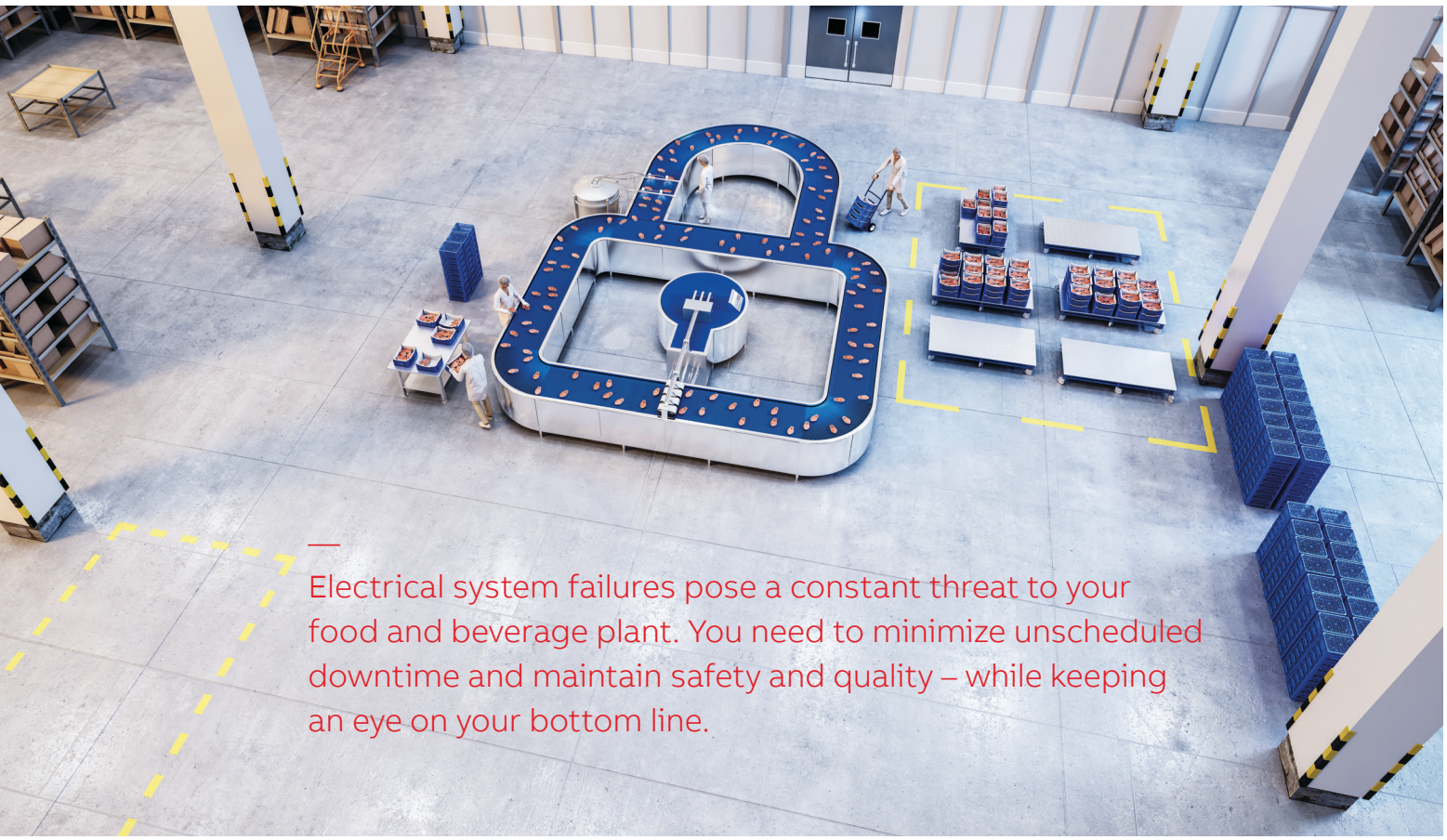
Plant Electrical System Assessment service

Reduce your risk of electrical system failure



Electrical system failures pose a constant threat to your food and beverage plant. You need to minimize unscheduled downtime and maintain safety and quality – while keeping an eye on your bottom line.

We understand the challenges you face. To help you solve them, we offer a Plant Electrical System Assessment (PESA) service. This assessment will identify maintenance issues and potential code violations while protecting your intellectual property and operations.

If you want to minimize your risk of electrical system failure, talk to us.

Why do you need this service?

Day-to-day operations put a host of stresses on your electrical system. Any of these factors can contribute to unplanned shutdowns – or worse, a safety incident:

- Liquid and dust ingress
- Corrosion
- Stressed conduits and cables
- Repetitive bending, movement and vibration
- Repeated thermal expansion and contraction
- Inefficient or poorly installed wire management and cable protection, conduit and fittings

Many of these issues develop over time and may go unnoticed by plant personnel. ABB's electrical experts have visited food and beverage plants across the

country. We know the characteristics of low voltage electrical equipment, and we know what symptoms and warning signs to look for.

The PESA service also offers potential cost savings. By acting on the findings of the assessment, you can:

- Increase your overall equipment effectiveness (OEE)
- Decrease electrical system changeover and downtime by 40-50%
- Increase food safety, reduce product contamination and provide safer workplace for your employees
- Extend the life of your electrical system by up to 300%
- Avoid potential fines due to possible OSHA, FDA, or code violations
- Reduce the equipment and components required for maintenance, repair, and operations (MRO) inventory

What happens during an assessment?
We understand that each plant's needs are different. We take the time to get to know your business and unique challenges before providing our recommendations.

Our assessors will first consult with your team about your plant's electrical challenges. The assessment can include a detailed inspection of specific areas of concern, a review of the plant's electrical specifications or both. The exact scope of the assessment will depend on your needs and preferences.

A plant walk-through for an onsite asessment takes on average six to eight hours per 300,000 square feet. No work stoppage is required to conduct an assessment, and no systems are impacted by this service.

After assessing your plant's electrical system, we provide a Final Value Proposition (FVP) in approximately 30 days. This document provides insights into any areas of concern such as food safety issues or potential code violations, and offers a customized solutions proposal focused on key application areas and challenges, including food safety and facility sustainability.

What happens next?
How you choose to follow up on the assessment findings is up to you. While the FVP will recommend products and services to improve your electrical system's safety and reliability, you are under no obligation to purchase our products or implement any of the solutions.

Once you have received the FVP, we can consult with your maintenance and operations teams to determine solution priorities. Based on your unique, customized recommendations, we can assist with the following activities:

- Provide samples and literature for a trial of our product solutions
- Provide training and/or assist with certification for your staff and contractors on the areas of concern identified in your assessment
- Update your electrical construction standards
- Scale the process to other plants or throughout your enterprise
- Confirm the effectiveness of your solution after six months

If you're concerned about electrical system failures, and you're ready to improve plant revenue and sustainability, talk to us about your own no cost, customized plant electrical system assessment.

ABB Inc.
305 Gregson Drive
Cary, NC 27511

www.abb.com/foodandbeverage