



# MERCK ANIMAL HEALTH

## Electrical System Modernization

**Client:** Merck Animal Health  
**Location:** Elkhorn, Nebraska  
**Market(s) Served:** Pharmaceuticals

- Project Management
- Engineering

### PROFILE

If you've medicated your dog against ticks and rabies lately, there's a good chance the medicine came from Merck Animal Health, which recently awarded EAD a large project: modernize the Elkhorn, Nebraska plant's electrical distribution system.

Merck purchased the Elkhorn plant from previous owners, who expanded it in phases over time. This left Merck's team concerned about the plant's electrical infrastructure's reliability, therefore, the ability to maintain equipment and ensure it was safe and code-compliant. If the equipment wasn't maintained, electrical power could have dropped more frequently, leading to production delays and revenue losses.

EAD planned to begin construction in the first quarter of 2018 to install eight modular electrical control rooms and a large electrical switchgear building.

By the time of project completion in the fourth quarter of 2019, EAD will have provided Merck with an entirely new electrical distribution system with capacity for expansion. EAD planned to install smart motor control centers (MCCs) with state-of-the-art automation and

### SERVICES

metering; Merck employees can monitor and control the electrical system through a network of HMIs to view real-time data.

Merck Animal Health is a division of Merck, a 125-year-old global health care company. While EAD works solely with the Animal Health division, Merck's other core product categories include diabetes, cancer, human vaccines and hospital acute care. Merck's Elkhorn facility performs R&D and manufactures over 50 vaccines for domestic and companion animals including cats, dogs, cows, pigs and poultry.

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