

Substation Replacement

Experience | Commitment | Quality

OVERVIEW

The need to upgrade substation equipment in an industrial facility can be driven by a variety of factors, including environmental and safety regulations; insurance; facility growth, and potential cost savings provided by advanced, more efficient equipment. More direct factors can include circuit breaker failure, oil insulated equipment, insufficient equipment ratings, compliance with the National Electric Code (NFPA70) and the Standard for Industrial Safety in the workplace (NFPA70E); property loss prevention programs from insurers like FM Global, and PCB issues.

CDMG's uniquely positioned professional engineering and construction capabilities, allows our clients to address these factors successfully by replacing distribution substations with minimal production outages. Because CDMG is a multi-disciplinary engineering resource, we can provide a complete portfolio of engineering, construction and professional services surrounding your project's unique needs.



QUICK FACTS

- Full-service electrical engineering backed by multi-discipline construction and engineering services
- Experience in small and large-scale facilities
- Headquartered in Western Pennsylvania, with a strong nation-wide presence



T 724.873.4700
www.cdmg.com





Safer Work Environment – CDMG will upgrade your facility with modern switch-gear, circuit breakers and electronic protective devices, while significantly improving relay coordination. These systems are designed to meet more stringent safety requirements and minimize required maintenance. In conjunction with properly coordinated equipment, CDMG can effectively reduce PPE requirements as well as insurance costs.

Compliant Operation – A CDMG upgrade will bring your substation into both NEC and FM Global compliance – reducing future liability – with a self-contained unit and reliable electrical system.

More Efficiency and Lower Costs – Today’s substation equipment uses advanced design to minimize footprint and operating requirements. Greater use of state-of-the-art components, such as overcurrent and circuit protective devices, delivers better reliability and system uptime, minimizing short circuits, overloads and other events on your facility’s critical manufacturing operations. Operating efficiencies like these, combined with lower insurance costs, can deliver a rapid return on your investment in a substation upgrade. CDMG’s multi-disciplined approach can further accelerate payback by minimizing your replacement costs, especially for complex projects that require a wide range of services.

CDMG Professional Services

- Electrical load analysis
- Equipment specification
- Contractor bid review & acceptance
- Demolition engineering & design
- Installation engineering & design
- Relay coordination
- Construction services

SAFETY

Our substation replacement capability is supported by the safety culture of CDMG. Since 2005, we have repeatedly achieved the industry’s major milestones of one million and two million hours worked without a lost-time workplace injury. We embrace this achievement and are especially appreciative of the impressive individual efforts that continue to lead the way. CDMG invests heavily in safety education. We are proud of the contributions we have made throughout our history to enable outstanding performance by our management and labor forces alike. Together we have made a significant impact, which has resulted in a multitude of safety excellence awards from local, national and international organizations. Our highest priority is providing and enforcing a protected work environment daily, for our employees. Our primary goal is realized when, at the end of the day, our people go home safely.

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