

Engineered Lighting Solutions

Experience | Commitment | Quality

OVERVIEW

CDMG is a full-service, multi-discipline construction engineering and professional services company that provides cost-effective engineered lighting solutions for a wide variety of clients. Our engineered lighting solutions are optimized to meet individual specifications and efficiency goals. As an engineering company, we have the ability to select the best available equipment for the job without being restricted to any one manufacturer.

Our broad scope of disciplines provide our clients a full set of resources, under a single roof, for delivering the best and most efficient solution. Our electrical engineering team can call upon in-house structural engineers to help with mounting fixtures; mechanical/HVAC engineers to help achieve energy-saving goals, and an in-house automation group to help integrate lighting control into existing systems.

In industrial manufacturing, the bottom line is crucial. Large industrial buildings with outdated systems can waste a tremendous amount of energy. Given the significant improvements in lighting equipment and control, lighting system upgrades can deliver an immediate ROI. Engineering done in advance to determine the optimum course of action, can greatly amplify the degree of success.



T 724.873.4700
www.cdmg.com



QUICK FACTS

- Full-service electrical engineering backed by multi-discipline construction and engineering services
- Decades of experience; NCQLP certified
- We are based in Western Pennsylvania, with a nation-wide presence





SERVICES

- Client consultation
- Detailed facility energy audits
- Lighting system design
- Project engineering & specifications
- Cost/benefit analysis
- Completion of utility incentive applications and forms
- Presentation of findings & recommendations
- Turn-key installations

Case Study: Pipe Mill – \$167K Annual Savings

CDMG designed a state-of-the-art lighting system that surpassed the stringent California Title 24 requirements by 32%. The new 330 square foot facility uses just .75 W per square foot to maintain 50 foot candles of high quality T5 HO fluorescent lighting. The integrated solution maximizes the use of daylight, is integrated into the building management system, and can be controlled via internet access. Maintenance will also be lower than existing plants thanks to the T5 fluorescent 36,000 hr lamp life.

Case Study: Glass Plant – Two-Year ROI

CDMG provided a plant audit of a 1.4 million square foot facility to identify lighting upgrade opportunities. Areas were identified that indicated a two-year return on investment. The entire building was divided into six areas, each with its own recommendations based on each area's unique tasks and environmental considerations.

Case Study: Electrode manufacturing Plant

CDMG provided a plant audit that identified several opportunities to greatly increase lighting levels, reduce operating costs, and improve safety in this facility. The plant's ten-year-old lighting system had many exterior and interior problems, with opportunities for improvement through upgrades. Each building was audited individually and received its own lighting upgrade recommendation. The audit positioned the client to benefit from government incentives and fast payback.

EXPERIENCE

CDMG is a cutting-edge, technologically advanced engineering firm that continues to provide all of the multi-discipline engineering services that businesses need to complete the most unique and intricate projects, including engineered lighting. Our electrical engineering team is backed by nearly four decades of experience in industrial lighting and NCQLP (National Council on Qualifications for Lighting Professionals) certification. As part of our commitment to increasing knowledge of new design strategies and procedures, we are constantly educating ourselves and advancing our familiarity with new techniques and processes. We are committed to superior, personalized service that results in the best experience for our clients. By continually working side-by-side with our clients and a variety of professional partners, our projects conclude with satisfied clients. A recent survey of our clients indicates that they believe our personal service is far superior to our competitors.

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PITTSBURGH OPERATIONS
SOUTHPOINTE INDUSTRIAL PARK
150 TECHNOLOGY DRIVE
CANONSBURG, PA 15317

