

LIST OF SERVICES

ENGINEERING

Electrical Design
Instrumentation / Controls
Construction Management
Power Generation
Photovoltaic
Water & Wastewater
Industrial
Commercial Space
Retail Space

COMPUTER AIDED DRAFTING

AutoCAD 2012
Microstation V.8



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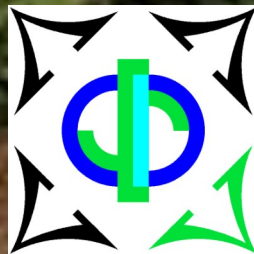
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ELECTRICAL ENGINEERING SERVICES

SUSTAINABILITY



IDCS-LLC.COM

CERTIFICATIONS

IDCS is a ComEd Trade Ally and can assist clients receive rebates for energy efficiency purchases.



IDCS has LEED Associated Professional (LEED AP) Staff who are familiar with the procedures and design of LEED Certified Buildings.



IDCS has Certified Energy Manager (CEM) Staff that can conduct Energy Audits to help Clients reduce energy costs.



IDCS has City of Chicago Registered Energy Professionals.

IDCS has an Illinois DCEO trained facilitator who can implement the State's LEAP Program for Energy Plan / Energy Audit funding.



IDCS staff have over 25 years of experience in designing energy efficient electrical systems.



COMMITMENT TO SUSTAINABILITY

In this day of rising energy costs and global warming, sustainability has come to the forefront of most people's minds. IDCS, LLC has been engaged in designing sustainable facilities from its inception 1999. We design Sustainable Electrical Systems as a standard including:

- ◆ Variable Frequency Drives which save energy by allowing motors to meet only the demand.
- ◆ Electronic metering systems that can be used for recording energy usage for benchmarking, as well as controlling.
- ◆ Indoor/Outdoor Lighting, providing functional and safe designs that consider conservation, light pollution, and maintenance.
- ◆ DDC and SCADA controls for reduction of energy consumption and increased operating efficiency for building processes and HVAC systems.

CHICAGO DEPARTMENT OF ENERGY- PHOTOVOLTAIC INSPECTION & ASSESSMENT

In June 2011, IDCS, LLC was subcontracted by MWH for the City of Chicago Department of Environment (CDoE) to visit and assess solar array sites. These sites varied in nature from Chicago Public Schools, to community centers, to a heritage museum. When visiting a site location, IDCS inspected each photovoltaic panel and noted any physical damage before testing the array circuitry to determine performance efficiency.

After collecting the performance data from each of the locations, IDCS compiled the efficiency results and condition statuses using standardized online forms. Our ultimate goal with this project was to provide an accurate assessment of the current state of the site and all of its relevant components; precise measurements and keen observation were crucial to making valid and cost-efficient recommendations for improvements, upgrades, and repairs.

