



Solving Problems in the Electric and Gas Utility Industry.

The expertise to provide comprehensive Electrical & Structural Engineering Design Service, Research & Development, and Consulting.

Established: 2015
Employees: 20

Business Summary

We are a Ph.D. credentialed Professional Electrical & Structural Engineer Research and Consulting firm (MBE / DBE) that offers Engineering Design, Consulting, and expert witnessing in the Electric and Gas utility industry.

Differentiators

There is no other PhD credentialed, Electrical & Structural Engineering Design/build firm that is certified with clients Internationally.

Credentials

Electrical Engineering Ph. D, M.S, B.S
Civil Engineering M.S. Ph.D.

Professional Engineering Licenses
CA, HI, IL, MN, TX, WI, SD

Pertinent Codes
EIN:47-1340811
NAICS Codes: 541330, 541700
DUNS Number: 07-977-8214
CAGE Number: 7CVN9

Service Areas

It all starts with personal choice.

Sempra/SDG&E
Xcel Energy
Novel Energy
Potentia Solar
ECI/SDG&E
El Paso Electric

KDM Engineering
PMI Energy
NV5
Burns & McDonnell
PowerWright Technologies



Core Competencies

- Circuit Breaker Replacement
- Telecommunication Equipment Upgrades
- Protection & Controls Consulting
- Digital Relay Settings
- Up to Transformer Design 745kV / 300MVA
- Distribution/Substation Design
- Electrical Inspections / Forensics
- Protective Relay Scheme Design
- Expertise in AutoCAD, Bentley Microstation
- Specialists in Mathcad, PSCAD, ETAP, SKM, PSSE
- 35.4kV and below Distribution Projects
- 138KV to 345kV Transmission Projects
- Photovoltaic (Solar) Interconnection Studies
- Staff Augmentation

Selected Projects

San Diego Gas & Electric

- National City 69kV Substation 2-69kV Circuit Breaker Replacement
- Capistrano 138 KV Substation update telecommunications equipment
- Basilone 69 KV Substation update telecommunications equipment
- Staff Augmentation: Project Managers, CAD Operators, Designers

Xcel Energy

Fault studies: Montrose, Lake Pulaski, Pleasant Prairie, and Waverly Substations.

KDM Engineering

Provided AC/DC and wiring schematics for SEL Relays and AMI
Designed Load Tap Changer Control scheme utilizing Beckwith Relays

Major Utilities

- Beckwith 2001D Relay Upgrades for Parallel Transformers
- Feeder relay and metering upgrade for multiple Substations
- Transmission Line Planning and Consulting
- Substation Voltage Optimization

Contact Us

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Office Locations

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