

### The Current Solutions Difference

Since 1998, Current Solutions, P.C. has established a solid reputation providing specialized Electrical Power System Engineering, Construction Cost Estimating and Consulting Services for buildings and facilities across the U.S. and Canada.

We serve building and facility owners and managers, developers, architects, contractors, electrical equipment suppliers, leasing agents, management companies, government agencies and fellow engineering firms.

We strive to reduce project costs, meet deadlines and exceed expectations throughout each project phase, planning through construction.

We measure our successes through positive client feedback, repeat business and solid client relationships.



### Selected Clients & Facilities

Adco Electrical Corporation  
Ardsley School District  
Beechnut Foods  
Bell Atlantic  
Belway Electric Company  
Benfield Power Supplies Electric Supply  
Black and Veatch Corporation  
Bristol-Myers Squibb  
Ciba Specialty Chemicals  
Citigroup  
CNBC  
Coca-Cola Enterprises  
Columbia University  
DASNY  
Eaton Corporation  
EYP Mission Critical Engineers  
Elmwood Country Club  
Fisher Development  
Fuller & D'Angelo, P.C., Architects & Planners  
GEA Engineering, P.C.  
Georgia Pacific  
Greenburgh Central School District  
Grenadier Realty Corp.  
Halcyon Construction  
Hugh O'Kane Electric Company  
IVI International Inc.  
IMTT Bayonne  
Jones Lang LaSalle  
LAN Associates  
Laticrete International  
Malcolm Pirnie, Inc.  
Marriott Corporation  
Modell's Sporting Goods  
New York Life Insurance Company  
O'Dea, Lynch, Abbattista Consulting Engineers  
Pepsi Bottling Group  
Philip Morris  
Pustola & Associates  
Regeneron Pharmaceuticals Inc.  
Remax Real Estate  
Seattle Department of Public Works  
Southern Westchester BOCES  
Square D  
Syska & Hennessy  
The Advanced Products Company  
The Children's Village  
Unitex Textile Rental Services  
U.S. Armed Forces  
Verizon Wireless  
Warner Power  
Westchester County Department of Public Works  
West-Fair Electrical Contractors  
Whiting-Turner Contracting Corp.  
Yonkers Contracting



Professional Electrical Engineering, Estimating & Consulting



*"Our Knowledge is Your Power"*



Commercial Industrial Institutional Retail Social Municipal



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And Our Knowledge Power's Your Profitability!

The Solution Starts With Us.

Electric power is the central nervous system and lifeline for any building, facility or campus. And operationally, critical to the successful performance and cost efficiency of technology, equipment and operations.



The Current Solutions team of engineering professionals has the education and experience to help our clients navigate their systems complexity.

By applying our experience we help to identify, analyze and diagnose electrical ailments of an existing electrical system or can assist to design a new power system to accommodate today's business critical electrical requirements.

Our Client Goals:

- Operate Power System & Equipment at Peak Performance. (Power Availability, Efficiency, Reliability & Production)
- Minimize Power Outages & Business Interruption.
- Maximize Equipment Integrity, Useful Life, Processes & Production.
- Improve Power Quality & It's Impact on Electrical Equipment, Technology & Production.
- Minimize Safety Hazards & Liabilities, Due to Faulty Equipment & Emergency Plans.
- Minimize Utility, Operational, Construction &/or Maintenance Costs.
- Improve Electrical Knowledge of Facilities System Configuration & Condition.
- Maintenance to Ensure Proper Operation of New or Modified Electric Loads.
- Proactively Plan for Emergencies, Organizational Change & Growth.
- Protect the Overall Property and Investment.

One point of contact, a full range of specialized services and personal attention to achieve your project goals.



Power Distribution System Consulting, Planning & Training

- Due Diligence & Feasibility
- On-Site Power Assessment & Field Surveys
- System Commissioning & Integration
- NEC Code Compliance
- Property Site Selection
- Equipment Conditions Reports
- Claims Analysis & Resolution Consulting
- Expert Witness Consulting
- Systems Trouble Shooting & Problem Resolution
- Design-Build Engineering
- Electrical Training
- Safety Training & Procedure Development

Power System Analysis

- Short Circuit Studies & Calculations
- Protective Device Coordination Studies
- Equipment Evaluation Studies
- Arc Flash Analysis
- Load Flow Analysis & Studies
- Motor Starting Analysis
- Voltage Drop Studies & Voltage Flicker Analysis
- Power Factor Analysis & Correction Studies
- Harmonic Analysis
- Power Quality Evaluations & Monitoring
- Transient Analysis & Stability Studies
- Availability & Reliability Studies
- Generation & Emergency Power Systems Analysis

Electrical Power Distribution System Engineering & Design

- Low, Medium & High Voltage Power Distribution
- Disaster Recovery, Standby & Emergency Power
- Generator Sizing & Transfer Schemes
- Redundant Power & Mission Critical Systems
- Co-Generation Systems
- Power Factor Corrective Design
- Conceptual Design
- Power Quality Applications

Construction Cost Estimating

- Electrical Cost Estimates for Bidding, Planning & Budgeting
- Design-Build Estimates
- Quality & Cost Control Procedures
- Value Engineering

Construction Administration

- Electrical Project & Construction Management
- Facility Construction Start-up Activities
- Equipment & Construction Specifications
- Preparation & Evaluation of Bid Packages
- Contractor Qualification & Solicitation
- Shop Drawing Development & Review
- Preparation & Coordination of As-Built Documents
- Field Inspections for Applicable Codes & Standards
- Constructability Reviews
- Project Close Out Activities



Commercial

Industrial/Manufacturing

Water & Waste Water Treatment Plants

Government / Public

Campuses

Pharmaceutical

Healthcare & Laboratories

Hotels/Hospitality

Technology & Mission Critical

Apartment & Condominium Complexes

Arts Centers & Cinemas

Conference Centers

Courthouses

Social Clubs

Prisons

Religious Institutions

Retail / Restaurants

Transportation

Universities

Warehousing

