

# Engineering Services

## Power Consulting

### Industry-leading electrical solutions



#### Why Choose SQUARE D Power Consultants?

One-point engineering contact

Coordinated plant engineering

Efficient applications

Focus on end-user's interest

Reduced quotation and cycle time

Minimized change orders

Greater accountability for solution

Square D has made an important investment to provide our Strategic and National Accounts with low- and medium-voltage systems expertise through our Power Consultants. These specialists serve as “chief electrical engineer,” representing the extensive product and service engineering capabilities within Square D.

#### The Role of a Power Consultant

##### ■ Identify Customer Problem

- Work to understand the customer's issue and application-specific needs
- Explore and identify alternatives, working with the customer

##### ■ Develop Solution Options

- Work with “systems” and “product” engineers to identify a solution concept
- Sort alternatives to adopt the best approach
- Serve as a single point of contact for power systems issues

##### ■ Provide Final Design Support

- Assist in completing detailed design and documentation
- Coordinate the activities of others participating in the design

#### Power Consulting Services Offered

- Value-engineer Greenfield projects or building expansions
- Consult on equipment upgrades / extensions
- Make recommendations for improved operating efficiencies and reliability of electric power
- Evaluate and help mitigate power quality problems (*design phase*)
- Manage and reduce energy costs
- Provide analysis of life cycle cost
- Standardize designs and specifications
- Analyze system / device alternatives
- Layout electrical distribution systems
- Work with customer's consulting engineers to help design power distribution systems
- Perform power systems audits and engineering reports (*existing systems*)



**SQUARE D**  
Schneider Electric

## Power Consulting

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### SQUARE D ENGINEERING SERVICES POWER CONSULTANTS

**Al Baum, P.E.**  
Philadelphia, PA  
610-892-1659

**Jon Clough, P.E.**  
Spokane, WA  
509-535-3685

**Mike Divinnie, P.E.**  
Nashville, TN  
615-844-8699

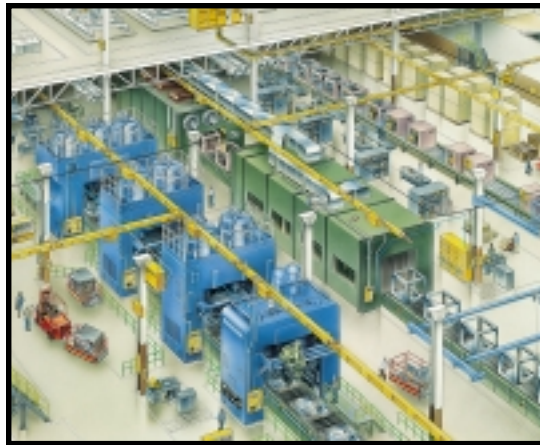
**Reza Tajali, P.E.**  
Nashville, TN  
615-844-8663

**Ed Zientek, P.E.**  
Nashville, TN  
615-844-8429

*... over 80 years  
experience in the  
electrical industry*

### Team Experience

- Power Quality
- Power Factor
- Short Circuit Analysis
- Time-Current Coordination
- System Design
- Power Applications
- Relaying Design & Applications
- Grounding & Ground Fault Systems
- Motor Starting Applications
- Lightning Protection
- Load Flow Analysis
- Power Management
- Power Generation & Controls
- Lighting Systems
- Project Management
- Construction Management
- Energy Reviews
- Failure Analysis



SQUARE D Engineering Power Consultants focus on your application needs and issues, resulting in design solutions that are specific to your electrical system.

Square D leads the industry in providing power, automation and control service solutions to the marketplace. With a national network of service and qualified experts, SQUARE D Services provides solutions to customers anywhere in the United States.

**Industry Leading Expertise. Customized Solutions.**

Contact your Square D sales representative,  
call Square D at 1-888-778-2733 or visit  
[www.SquareD.com](http://www.SquareD.com).

**Emergency Services Available**  
24 Hours/Day-7 Days/Week

