



ELECTRICAL SPECIALTIES Engineering Division

Power and Efficiency

West Plain's Electrical Specialties Division can provide in-depth surveys, design of electrical distribution systems and provide solutions to any electrical challenge. From the mitigation of dangerous arc flash potential, to harmonic distortion correction, West Plains' professional engineers can help with all of your power needs.

Power Quality Analysis provides you with a detailed, technical analysis of your internal electrical system. The purpose is to identify harmful problems caused by today's sophisticated, high-speed electronic equipment. Power Factor Correction Recommendations can also be made to get the most out of your power dollar.

Energy Audits can help you identify energy conservation opportunities within your plant or building. Identification of potential savings that could result from modification of the systems. *Thermal Imaging* is available to analyze building systems including electrical and mechanical systems as well as the building envelope and roof structure.

Whether it's an existing system analysis, or new design, West Plains Engineering can help find smart, cost effective solutions to meet your power system needs.

Call today to speak with our *Electrical Specialties Manager*:

Todd Weidner- PE , RCDD P: (605) 362-3753 or C: (605) 261-6208

email: todd.weidner@westplainsengineering.com



westplainsengineering.com

an *ENGINEERING SOLUTION CENTER*

Studies

- *Arc Flash Analysis*
- *Short Circuit Coordination*
- *OCP Coordination & Selective Coordination*
- *Power Distribution*

Analysis

- *Thermal Imaging- Level 1 ASNT*
- *Power Quality*
- *Harmonics*
- *Load Flow and Demand*
- *Motor Starting*
- *Power Factor*
- *Distribution Equipment Evaluation*
- *Generator Evaluation*
- *Return On Investment*

Design

- *Corrective Measures*
- *Arc Flash Mitigation and Labeling*
- *Power Factor Correction*
- *Distribution Equipment Replacements*