



ARTHUR ENGINEERING, INC.

*Consulting Electrical and
Control Systems Engineers*

We Specialize in the Following:

- Wineries and Spirits Plants
- Tomato Processing Plants
- Canneries and Food Packaging Plants
- Forest Product Manufacturing Plants
- Steel Manufacturing and Finishing Plants
- High/Medium Voltage Substations
- Domestic Water Storage and Pumping Plants
- Storm Water Pumping Systems
- Wastewater and Sewage Pumping Stations
- Schools and Universities
- Offices
- Commercial Buildings
- Warehouses
- Distributed Generation
- Co-Location Data Centers

Arthur Engineering, Inc. (AEI) has over 50 years of experience providing high quality electrical and control systems design services for commercial and industrial facilities of all sizes. We have a reputation for personalized attention to the individual needs of every project, which has resulted in long-term relationships throughout many industries. We are confident that you will find AEI qualified to assist you with all your electrical system planning and design projects.

AEI has a wide range of electrical design experience ranging from high voltage substation design to medium and low voltage power distribution systems. We are knowledgeable in energy efficient architectural and industrial lighting design and lighting controls, compliant with the California Title 24 lighting requirements and beyond. We have extensive experience in industrial control systems design, including programmable logic controller (PLC) system specification, layout, diagrams, SCADA / HMI, and web-enabled control and monitoring. AEI is also proficient in backup power system design and distributed generation systems.



OUR AREAS OF EXPERTISE INCLUDE:

- Electrical System Planning
- Load Flow Studies
- Short Circuit Studies
- Coordination Studies
- Energy Analysis/Conservation Studies
- Electrical Project Feasibility Studies
- Electrical System Option Studies
- Electrical Site Investigation and Single-Line Development
- Electrical Safety & Code Compliance Studies
- Main Service Design (High, Medium, and Low Voltage)
- High and Medium Voltage Substation Design
- Service Coordination with Electrical Utility
- Medium and Low Voltage Power Distribution System Design
- Motor Control System Design
- Hazardous Area Electrical Design
- Energy Efficient Lighting Design
- Custom Control System Design
- Programmable Logic Control Systems Specification/Design and Layout
- Stand-by and Emergency Back-up Generator System Design and Specification
- Cogeneration and Peak Shaving System Interconnection Design
- Solar Power Interconnection Design
- Electrical Construction Engineering and Observation
- Electrical Professional Witness and Accident Investigation Services



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