



INTRINSIC ENGINEERING INCORPORATED

ELECTRICAL
ENGINEERING
CONSULTING
DEVELOPMENT
CONSTRUCTION
MANAGEMENT

Professional



Intrinsic Engineering Inc. (IE) is a certified Small Business Enterprise (SBE) by the State of California and specializes in Ports & Marine, and Heavy Industrial electrical systems projects. We offer specialized support or a complete turnkey approach for large and small projects alike. Our approach is always the same:

- *Be responsive.*
- *Be professional.*
- *Be practical.*
- *Deliver on our commitments.*

Deliver



Practical

IE's range of experience includes electrical planning; special studies and code/condition assessments; design, bid, and construction phase services, system commissioning, and as-built document preparation. IE has extensive project related coordination experience with SCE & LADWP and numerous other utility providers and has a solid project permitting background at numerous agencies. Engineering and design experience includes code applications including National & California Electric Code (NEC & CEC), National and California Building Code (NBC & CBC) and National Fire Protection Association (NFPA) Standards.



Responsive



*Nothing great was
ever achieved
without enthusiasm.*

Ralph Waldo Emerson

For more information, contact

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Statement of Qualifications

Engineering Analysis

We have performed Engineering Analysis for several types of projects including:

- Load Flow
- Short Circuit Studies
- Relay Coordination
- Arc-Flash Studies
- Voltage Drop
- Interior & Exterior Lighting Calculations
- Infrastructure Sizing and Evaluation
- Evaluate Pre-Existing Utility Infrastructure
- Evaluate Pre-Existing Site Specific Construction Logistics and Conditions

Permitting

We have assisted in the development of numerous types of permit application services in numerous jurisdictions including:

- Environmental Impact Reports (EIRs)
- Conditional Use Permits (CUPs)
- Building, Safety & Fire Permits (B&S)
- California Environmental Quality Act (CEQA)

Full Service Engineering and Design

We have performed Full Service Engineering and Design for several types of projects including:

- APM Terminals P400, POLA – Overhead conductor bar installation and RTG electrification
- Port of Oakland – Shore to Ship Electrification (Cold Ironing)
- Los Angeles Grain Terminal – LADWP service and facility electrical design
- California Steel Industries – Rolling Pipe Mill installation
- Gerdau Steel Industries – Slag Processing Facility installation

Construction Support

We have provided Construction Support for each project performed in-house. This effort has included standard review of RFI's, change requests, construction observation, shop drawing review and as-built documentation.