ENGINEERS GUILD / ENERGY

Engineering Consulting

Independent engineering support from technical specifications and procurement through design review, construction and commissioning

SERVICE PROFILE

A detailed overview of scope, capabilities and potential areas of support.

Overview

Energy projects involve many technical interfaces between owners, designers, suppliers and contractors. Engineers Guild's Engineering Consulting services act as the client's independent technical adviser and owner's engineer across the project lifecycle: preparing specifications and managing procurement, reviewing and validating designs, and supervising construction, testing and commissioning. Our aim is to deliver projects to specifications, on schedule and in line with applicable codes and standards.

Our Services

Our engineering consulting services are organized into three areas.

i. Construction & Commission Supervision

Contract Management Support
Administration of EPC and supply contracts, including progress monitoring, variations, claims and payment certification.

Construction & Installation Supervision
Site supervision of construction and equipment installation to verify quality, safety and conformity with approved designs and specifications.

Commissioning Test Planning & Specification Review
Review of commissioning programs, test procedures and acceptance criteria before testing begins.

Onsite Testing & Engineering Support
Witnessing site and commissioning tests, with on-site engineering support to resolve technical issues through to handover.

ii. Design Review

Supplier Engineering & System Studies Oversight
Review of supplier engineering and system studies submitted by contractors and manufacturers, including load flow, short-circuit, protection and stability studies.

Contractor Design Validation & Approval
Validation of contractor designs and drawings against specifications, codes and standards, leading to approval or documented comments.

iii. Technical Specification & Procurement Assistance

Technical Specification & Datasheets
Preparation of technical specifications and equipment datasheets for generation, transmission, substation and distribution projects.

Tender Documents & Procurement Strategy
Preparation of tender documents and procurement strategies, including contract packaging, contracting approach and evaluation criteria.

Pre-Bidding & Post-Bidding Assistance
Support with pre-bid meetings, bidder clarifications and addenda, and post-bid clarifications and negotiations.

Technical & Economic Bid Evaluation
Evaluation of bids for technical compliance and life-cycle cost, with clear and defensible award recommendations.

Our Approach

- **Define:** confirm the project requirements, applicable codes and standards, and the interfaces between parties.
- **Specify and procure:** prepare specifications and tender documents and run a transparent bidding and evaluation process.
- **Review:** check supplier and contractor designs and studies before construction begins.
- **Supervise:** monitor construction, installation, quality and contract performance on site.
- **Test and hand over:** plan and witness testing and commissioning through to final acceptance.

Who We Work With

- Transmission and distribution utilities
- Independent power producers and renewable energy developers
- Industrial and commercial clients with captive or grid-connected power facilities
- Government and public-sector project owners
- Lenders and development finance institutions

Value to Clients

- Projects delivered to specification, codes and standards
- Competitive, transparent procurement with well-founded award decisions
- Design issues identified early, before they become costly on site
- Smooth testing, commissioning and handover

Contact Us

To discuss your project requirements, please contact:

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