ELECTRICAL REMEDIATION PROCESS



PLANNING PHASE(S)

IMPLEMENTATION PHASE(S)



Phase 02

Phase 03

Phase 04

Phase 05

FRAMEWORK

Site visit and meetings with plant personnel.

Determine scope boundaries of the remediation effort.

Evaluation of present and future project needs and discuss how a phased approach can align with budgetary requirements.

Master plan framework report.

Planning to maximize the effectiveness of plant downtime.

Engineering fee proposal for Phase 2.

Phase 1 Cost Range: \$5,000 - \$20,000

CONCEPT DESIGN

Provide conceptual engineering.

Multiple option sketches for possible solutions.

Collaboration with electrical vendors and contractor.

Review options with client.

Details added to selected option.

Break out overall effort per electrical area/system.

+/- 25% construction cost estimate.

Client able to request funds for overall project.

Phase 2 cost range: \$5,000 - \$75,000 (1-2% of overall)

Determine project delivery method.

DETAILED ENGINEERING

"Issue for Bid" or "Issue for Construction" packages.

Assistance through the bidding and contractor selection process.

CONSTRUCTION PHASE

Our scope involvement during this phase varies widely depending on the client's needs and project delivery method, from full-time onsite construction assistance to simply some periodic site observation and phone support.

WRAP-UP

Wrap-up and final documentation of the new power distribution system, usually along with an updated arc flash study.

System training and final walk-through by engineering team.

Confirm project goals were achieved.

On small remediation efforts (total capital cost: \$250,000-\$500,000)

Phase 1 & 2 are often combined.

Phase 3 & 4 are combined for design-build.

If design-bid-build, the phases remain separate.

For more information:

https://www.interstates.com/services/electrical-engineering-construction/design-build