

SEL Engineering Services

Project Management



Total project management from a trusted advisor

- Get the job done on time, every time, with SEL project managers who handle the entire project scope from design through installation, commissioning, and close-out.
- Avoid hassle and save time and money by having SEL identify, secure, and coordinate any subcontractors.
- Benefit from well-defined project management processes that ensure a disciplined budget, schedule commitment, clear communication, and high quality.
- Rest easy knowing that SEL is your trusted advisor.



Importance of Project Management

A project is a planned, time-limited operation to meet defined objectives. Projects are successful when leaders apply proven project management practices to deliver a high-quality project on time. An Engineering Services project manager is a specific type of leader that uses a set of key skills and applied knowledge to establish and meet success criteria, creating successful project outcomes. Engineering Services project managers work with all stakeholders to determine and implement the correct processes and tools. Effective project management:

- Satisfies your expectations.
- Delivers the right deliverables at the right time.
- Promptly responds to risks.
- Optimizes your resources.
- Manages your constraints (scope, schedule, costs, and resources).
- Manages change for you.

Project Management at SEL

SEL Engineering Services project management is founded on the concept that people, processes, and performance all contribute to effective project management and successful outcomes.

People

Successful project execution is only possible with qualified people leading the process, starting with the project manager. An Engineering Services project manager is a full-time, dedicated technical engineer, skilled in the practices of industry-established project management fundamentals. SEL project managers have the technical background to be your “go-to” person, no matter what obstacles arise. Our project managers can manage even the most complicated projects, providing the necessary oversight to coordinate with the client, project team, and subcontractors to ensure project success.

We also rely on a project controller team to support the project manager, ensuring that all of your time and cost criteria are met. The project controller and their team



help to predict, understand, and constructively influence the time and cost outcomes of a project. These project management experts play an active role in developing the work breakdown structure, providing the framework for budget management. The project controller also supports the development and maintenance of the project schedule. This allows them to proactively plan work activities, resources, and milestone dates for the project. The project controller also ensures that procedure and quality programs are followed to achieve consistent deliverable quality.

This project management leadership, combined with the industry-leading technical expertise of SEL engineers and designers, makes up a powerful project team equipped to successfully complete projects of any size and complexity to help make your electric power system safer, more reliable, and more economical.

Processes

Our expert project managers follow a standard set of project execution processes. These processes apply globally across the organization to ensure consistent and

high-quality deliverables. The processes are flexible to allow our project managers to quickly adapt to meet the requirements of any project. The execution processes account for project size and risk level to help our project managers create the most efficient plan possible, while always ensuring quality and consistency.

We built our processes around the phase gate approach. This approach is an industry best practice described in *A Guide to the Project Management Body of Knowledge (PMBOK® Guide)*, the Project Management Institute's professional reference book. This methodical approach ensures the alignment of project criteria early in the process so that your project delivers what you want on time. Our qualified personnel review the project plan and document any feedback to maintain a robust quality program and ensure the technical accuracy of deliverables. Depending on the scope of the project, we complete testing and commissioning with a prescribed approach to ensure the delivered solution will meet your needs. The programmatic application of these processes means that regardless of the size or location of your project, the solution we deliver will be accurate and high-quality.



Performance

The SEL Engineering Services team is ready to deliver quality and cost-effective solutions, supported by global teams and technical resources. SEL offices are strategically positioned to serve your needs, no matter where you're located.

To ensure that each project is successful and our teams are performing at their best, we measure success parameters for each project. These parameters include:

- **Earned value.** This allows us to track budget performance and continuously improve our estimate accuracy.
- **Resource management.** We measure our ability to provide a stable work force and reliable engineering support to meet diverse schedule demands.
- **Schedule certainty.** We ensure that we provide predictable forecast dates for milestone deliverables.
- **Quality management.** We get to the root cause when challenges occur, using a robust lessons-learned program. This helps us continuously and rapidly improve.

As project complexity increases, the role of the project manager also increases. We add senior project managers to oversee the most complicated projects, and we add tighter project controls to ensure schedule and budget certainty.

Many customers have chosen SEL Engineering Services as their trusted advisor for the protection, control, and automation of their power systems, including:

- Public Service Electric and Gas (PSE&G)
- Caribbean Utilities Company, Ltd. (CUC)
- Tengizchevroil
- Public Service Company of New Mexico (PNM)



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