

# SUBSTATION UPGRADE REQUIRED RAPID RESPONSE STAFF, WORKSPACE & CAD SOFTWARE

## SITUATION:

A Fortune 50 transmission and distribution services company was upgrading numerous substations at a local utility due to excessive outages and aged infrastructure. The project was severely behind schedule, and the company was on the verge of being terminated by the local utility. The project involved the upgrade and new construction of 35 substations.

- The client needed to hire additional staff to update engineering documentation and design engineering for substations in the Chicago area.
- The client lacked the space and the technology to accommodate the project schedule deadlines.

## STERLING SOLUTION:

Sterling was able to provide the client with the staff they needed, provide space for their staff to work and was also able to supply them with the appropriate hardware and software on an as-needed basis.

- Sterling Engineering recruited and hired a team of Relay Protection and Control Engineers (P & C Engineers) and Control Designers.
- Sterling worked closely with the client and helped build their team of 5-6 employees to support an existing team of 135 designers and engineers, which were necessary to complete the project. This was accomplished in a period of 3 months.
- With the added staff, the client had outgrown their space. Sterling was able to provide them with the additional space they needed within their own office.
- The scope of the project made it difficult to determine how much equipment would be needed on a weekly basis. Sterling was able to provide them with the computers, hardware and software they needed at any particular time without the client making the investment in purchasing them.
- Sterling was able to assist the client with their drafting needs for the substation projects.

## RESULTS:

The scope and timing of the project made it so the client was unable to gauge their needs in advance. Sterling was able to develop a strong relationship with them and be there every step of the way in addressing their needs. Many of the contractors later became full time employees of the client and Sterling was able to assist with that transition.

## PROJECT SNAPSHOT

- ❖ *Client was plagued by Chicago substation power outages, and quickly required additional staff.*
- ❖ *Sterling was able to provide not only a team of contractors, but space and equipment for the project.*
- ❖ *Sterling's close relationship with the client helped provide project management services to meet project deadlines.*

