



DATA CENTER CLIENT, USA

CASE STUDY

Commissioning Manager Staff Augmentation

Staff Augmentation for Data Center Commissioning



Cx Manager Staff Aug



Overview

An electrical contractor was short-staffed on a mission-critical facility construction project and needed short-term support to keep their project moving forward and prevent their staff from getting overwhelmed and burning out.

The mission-critical facility met Tier 4 requirements from the Uptime Institute. At the start of CAI's involvement, the electrical contractor was about to start Level 3 activities on the building's main switchgear. At that time, the electrical contractor needed to update and formalize the commissioning schedule coordinating activities with the general contractor and mechanical contractor. The schedule also needed to accommodate vendor support. At the start of the engagement, load bank plans were not developed for the L3, L4, and L5 testing.

Limited load bank planning had been done, and the energization of equipment was about to start. Vendors needed a general projection of timelines to be onsite. Coordination needed to occur with the general contractor (GC), mechanical contractor, and vendors to ensure that commissioning the facility would go as smoothly as possible.

Objective

The client needed support from a Commissioning (Cx) Manager to support Cx activities and develop plans to keep the commissioning process moving forward. Our team managed the electrical contractor commissioning team, developed the electrical commission schedule and load bank plan, and interacted with the vendors, general contractor, owner, and mechanical contractor for planning and coordination. We developed the overall commissioning schedule for the electrical equipment and coordinated the GC's and mechanical contractor's schedules to meet the overall project schedule. A load bank plan was developed for the Level 3, Level 4, and Level 5 testing taking into consideration the requirements of vendors, mechanical contractors, and Cx Agents to develop multiple load bank plans according to specifications.



CLIENT:
CONFIDENTIAL

LOCATION:
USA

TIMEFRAME:
3 MONTHS

CONTRACT SIZE:
\$95,400

Cx Manager Staff Aug



Services Summary

- Generated schedule and testing sequencing including load bank plans
- Management of staff
- Management of Electrical Contractor's Commissioning staff
- Coordination of commissioning meetings with Client, General Contractor, and Vendors

Value Delivered

CAI's team helped relieve the overwhelmed staff and put together a plan for the project. During the engagement, we developed a reliable commissioning schedule, developed multiple load bank plans, scheduled vendors, helped resolve issues, and coordinated with the general contractor and mechanical contractor. After completing the staff augmentation role, a transition occurred with the electrical contractor's commissioning team to ensure the project remained on track, and no knowledge gaps would exist.

