


CONFIDENTIAL CLIENT

MARYLAND | USA
7 MONTHS | \$508,000


ASSET REGISTRY VALIDATION



 Commissioning & Qualification


 Building Commissioning

 Asset Management & Reliability

 Quality, Compliance, & Regulatory

 Human Performance

 Process & Manufacturing Technology

 Program & Project Management

 Automation & Information Technology

 The Chemistry of Full-Scale Operations™

 Data Centers

WHEN YOU NEED TO MEET A HIGHER STANDARD™

PROJECT OVERVIEW

After an extended period of major capital improvement projects and product changes, this client realized the need for a concerted effort to optimize their spare parts program. CAI, in partnership with another project management firm, worked with the client to develop a comprehensive long-term strategy for Maintenance, Repair, and Operations (MRO) spare parts.

OBJECTIVE

The primary objective of the project was to complete a large-scale asset registry cleanup from the system level, to the individual component level. An accurate asset registry provides the basis for quality of decision making in multiple business areas including procurement, maintenance, and operations. The driving factor for the project was to ensure critical components were stocked while significantly cutting the amount of resources tied up in the purchase and storage of spares that could be acquired from qualified outside vendors quickly and reliably.

SERVICES PROVIDED

- Developed and populated a revised asset hierarchy for SAP linking equipment, sub-equipment, and components logically
- Performed a field verification and database update of all equipment, over 500 production and utility systems including asset locations
- Created an extensive photo database of all equipment nameplates for engineering
- Identified and documented several hundred P&ID discrepancies
- Performed several walkthroughs of spare parts optimization with stakeholders to develop the workflow and approval process

VALUE DELIVERED

The field verification resulted in more than 20,000 updates to the SAP database and more than doubled the asset registry for the systems analyzed. The updated registry and tested optimization workflows provided a solid foundation for the client to begin their long term comprehensive spare parts overhaul program.