


CONFIDENTIAL CLIENT

MARYLAND | USA
5 MONTHS | \$156,300

ASSET LIFECYCLE MANAGEMENT



 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

A client realized the need for improved long-term planning in capital expenditures. CAI worked with the client's reliability engineers and system owners to perform a comprehensive criticality and condition assessment of over 500 production and utility systems as well as laboratory equipment, automation, and facilities. The scoring for each system was used to create a logical, fact-based priority list for capital projects on a rolling five-year timeline.

OBJECTIVE

The objective of the project was to provide logical and defensible cases for capital projects, reduce emotion- or crisis-based decision making, and allow for long-term capital expenditure planning. The establishment of this continuous process also allows production and maintenance to plan and budget appropriately for equipment reliability based on accurate expected lifecycles for each system, while reducing the risk of unexpected major replacements.

SERVICES PROVIDED

- Performed extensive asset registry cleanup
- Facilitated criticality assessments for each system with all stakeholders
- Collected condition assessment information and scored each system
- Collaborated on the development of criteria and formulas for scoring and decision making
- Reviewed and edited the inaugural annual report of five-year capital expenditure recommendations

VALUE DELIVERED

The management of the manufacturing campus have presented this project to site heads across the company portfolio, and it is being implemented in multiple locations worldwide to improve efficiency.