



Biopharmaceutical Facility

CMMS Services: Calibration & Maintenance Optimization

Key Project Details

About Client

Our client is a leading global biopharmaceutical company with an API facility located in Pennsylvania, US.

Business Challenge

The client was searching for ways to increase efficiencies in their CMMS system, and hired the NEXA team to perform an interval analysis and criticality assessment on all calibrated assets to identify opportunities to downgrade criticalities and extend calibration frequencies.

On the maintenance side, the client was also searching for opportunities to align preventative maintenance (PM) frequencies based on area and type, along with deactivating any obsolete work, which led to overall labor savings and increased efficiency.

Project Challenges

One of the more significant challenges faced was the significant amount of data to gather and review that needed to be executed on a tight schedule. . With the assistance of business intelligence tools created by the NEXA team we were able to combine and review the data in an accelerated and efficient process exceeding the project's timeline.

An additional challenge faced was a change of CMMS systems midway through the project. Due to this, there was a blackout period where the team was unable to process changes and needed to quickly get up to speed with navigating in a new system.

Project Type

Calibration & Maintenance Optimization

Location

PA, USA

Project Costs

Confidential

Project Duration

18 Months

Staff Assigned

(2) Quality Engineers
(1) Maintenance Engineer



Scope of Work

The NEXA team reviewed over 20,000 calibrated assets for possible frequency extensions and data misalignments. Maintenance plans for each area were also reviewed and analyzed. Nine change controls were processed to implement these changes.

Interval analysis of all calibration frequencies

- Reviewed calibration history of asset
- Provided suggested frequency extension
- Updated frequency in Paperless CMMS
- Performed data clean up on calibrated assets

Interval analysis of all Preventative Maintenance frequencies

- Reviewed and analyzed frequencies based on similar work across site
- Updated frequency in Paperless CMMS
- Performed data clean up on Preventative Maintenance Plans

The NEXA team exceeded the client's labor hour savings target and aided in aligning maintenance and calibration schedules.

Results

Efficiency Benefits

- 98% of targeted in scope assets received frequency extensions of anywhere from 2 to 12 months.
- Alignment of frequencies across the client site creates consistency with similar assets.
- Scheduled Preventative Maintenance - annual labor savings: 809 hours
- Calibration - annual labor savings: 6,081 hours