



## New Biopharma Facility

### CMMS Data Build – Calibration & Maintenance

#### Key Project Details

#### About Client

Our client, one of the largest pharmaceutical companies in the world, is building a new facility on the site of their existing vaccine production plant.

#### Business Challenge

Having established a successful working relationship with the Client based on other on-going projects the team had completed on the site, we were hired to build a maintenance and calibration program into the client-supplied CMMS (ProCal for calibrations and SAP for maintenance).

The challenge our client faced was that the current site structure did not have the manpower or expertise to complete this system build in the time required for the product to go into Emergency Use manufacturing. The client also wanted to single-source the calibration and maintenance master data builds through NEXA | EAM (formerly Cal OpEx) to improve quality, reduce re-work, and standardize the approach to data gathering, data building, and data reviewing.

#### Project Challenges

Since the work was related to a vaccination ramp-up, the project needed to move at warp speed. This was the first project of its kind, and our team mobilized quickly, effectively, and adhered to all aggressive project timelines. We also had to push for engagement early on to gain top-down buy-in as it was critical to the project's success. Another challenge addressed was transitioning from a vaccine line to therapeutics, which required that our team update the work that had previously been completed.

#### Project Type

CMMS Data Build – Calibration & Maintenance

#### Location

Durham, NC, USA

#### Project Costs

\$554K+ (2 phases total)

#### Project Duration

10 months total  
*(5 months to go-live /  
5 months for data cleansing &  
optimization activities)*

#### Staff Assigned

Project Manager  
CMMS Engineers  
Maintenance Engineers  
Calibration Engineer



## Scope of Work

Completed over a 10-month accelerated project timeline, our team successfully executed the following services:

### Calibration

- Complete turnkey solution for the calibration program
- Criticality risk assessments
- Calibration interval analysis
- Calibration plans & task lists

### Maintenance

- Complete turnkey solution for the maintenance program
  - Maintenance plans & task lists

### CMMS

- Complete master data build for calibration, maintenance & spares
- System training

### Spare Parts

- Identification and development of equipment BOM's & spare parts

## Results

### Efficiency Benefits

- Having conducted previous projects across the client's network, we had the knowledge and connections to ensure standardization in all work performed.
- Single-sourcing the calibration and maintenance master data builds improved quality, reduced re-work, and standardized the approach to data gathering, building and reviewing.

### Quality Improvements

- Single-sourcing data builds eliminated any rework, and avoided miscommunications, which can occur with multiple vendors.

### Migration to Paperless

- This will be a "digital day one" site for calibrations, and is rapidly moving to paperless maintenance activities across the site.