



## Global Pharmaceutical Facility

### Reliability Services: Maintenance Optimization

#### Key Results

#### About Client

Our client is a global pharmaceutical company with a vaccine production facility located in Durham, NC.

#### Business Challenge

The client hired NEXA Reliability Engineers to provide additional resources to support a Maintenance Optimization through a corrective work order review on GMP equipment. The fast-track project was implemented to ensure compliance, and improve equipment reliability and uptime. The task involved locating all trending corrective work orders, which was defined as “three alike failures on any piece of equipment or functional location with a GMP non-critical or GMP critical status in the CMMS”.

#### Project Challenges

Given the large breadth of data and the lack of some critical details concerning work completed, the client needed a single source solution with the expertise to pull data from their CMMS to identify and correct the equipment from potential failure trends.

#### Scope of Work

The NEXA team provided Reliability, Maintenance & Spares, CMMS, and Quality & Compliance services; and partnered with the Client’s Maintenance, Operations, Asset Owner, Quality, and Automation departments to ensure consistency across the various stakeholder departments.

The work involved the review of the PMs for the concerned equipment to assess the Maintenance Items, Task Lists, and Bill of Materials (BOMs) built to the equipment, and the SOPs to check for accuracy and completeness as they related to operations. Recommendations were made to the client to implement necessary corrections on the augmentation of those PMs and SOPs, as well as identifying all pieces of equipment that did not have a BOMs built into the CMMS.

- Reviewed 750 total functional locations and 2,302 total work orders – resulted in identifying 52 trending correctives.
- Produced corrective work orders to fix trending failures.
- Improved corrective work order information quality concerning operations and vendors.
- Revised material items to reflect appropriate tasks within task lists, and to reflect necessary material numbers.
- Revised SOPs to bridge gaps in operations training procedures.

