

Integrating LIMS with Empower to Enhance Laboratory Efficiency

Founded over 150 years ago, the client is a global pharmaceutical and biotech manufacturer that develops and produces medicines and vaccines for a wide range of medical disciplines, including immunology, oncology, cardiology, endocrinology, and neurology. The company utilizes biotechnology as a foundation to benefit patients through innovation, pharmaceutical development, and clinical research.

Prior to this engagement, the client had been leveraging a global LIMS solution to manage over \$58B in spend, while supporting over 35 live sites throughout the world. Though the system had been adopted well across the client's sites, the client was searching for more ways to optimize laboratory efficiency. Thus, the decision was made to integrate Empower into its already established LIMS solution. To achieve this, the client needed to update current standards and data sets to allow for seamless integration between LIMS and Empower.

The client engaged Clarkston to support the master data building process within LIMS in preparation for the Empower integration. This included updates to previously built Standards, Reagents (SRs), and Analyses, in addition to new builds, to support a successful implementation.

As a result of this engagement, Clarkston ensured that the necessary systems and functionalities were in place to enable the successful utilization of both LIMS and Empower, enhancing Business Operations by optimizing data sharing between LIMS and Empower in a standardized and consistent way. Additionally, a new process for defect resolution and data collection was implemented, which consolidated these activities within LIMS and eliminated the need for Application Lifecycle Management (ALM).

Life Sciences Case Study

PROJECT OVERVIEW

INDUSTRY:



Life Sciences

PRODUCTS AND SERVICES :



Pharmaceuticals
Biotectnology
Vaccines +
Medicine

PRIMARY OBJECTIVES:

- Support master data builds and code review for new and updated SRs and Analyses
- Ensure appropriate systems and functionality are in place to facilitate a successful transition
- Establish a functional platform for the client site to enable continued growth and optimization over time

RESOLUTION:

- Ensured appropriate systems and functionality were in place to facilitate successful utilization of LIMS and Empower
- Enhanced business operations through optimizing data sharing between LIMS and Empower in a more standardized and consistent manner
- Achieved improved efficiency in Manufacturing Lab Operations
- Implemented a new process for defect resolution and data collection consolidated in LIMS and eliminated the need for Application Lifecycle Management (ALM)

KEY BENEFITS:

- Provided new and updated builds for SRs and Analyses, including standardized code review processes
- Enacted a new system to efficiently address defect resolution, sample management, and data collection without the use of ALM for the first time
- Established a functional platform for the client site, enabling continued growth and optimization over time



KPIs

- Approx. 150 Analyses built and reviewed
- Approx. 300-350 SRs built and reviewed
- Implemented new defect resolution process and eliminated the use of Application Lifecycle Management (ALM)

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