4 Reasons to Digitize Your Life Sciences Manufacturing Data

1. Your Data Has Power

Each step of your development and manufacturing process creates data points. From the temperature in the room to the time of day an operator is working. The raw material data that comes from the Certificate of Analysis to the timestamps on the logbooks. Every factor could matter. But, without having all of your unstructured data in one place, in one format, you're losing all of the predictive power your data has to offer. Unleashing the hidden power of this information that is currently being wasted, has enabled manufacturers to improve processes that represent $Millions in COGS savings each year.

2. Consistency and Compliance

Risks to manufacturing compliance mean risks to patients. Without adherence to quality and compliance regulations, manufacturers are taking risks with patient safety. Forms must be complete and correct, or manufacturers risk deviations and non-compliance. When we talk about digital records, we're not just talking about spreadsheets. The right system will enable automated data entry so you're guaranteed that your data will be the right format, legible, and complete when it is signed. The top two reasons for reworks and rejections in paper-based systems are missing entries and errors in documentation. The risk of facing both is lower when your system is built to ensure that each entry is complete and correct.

3. Storage

Storing data is time consuming and expensive if it's not done digitally. In life sciences manufacturing, a single site can produce enough paper-based data that can cost over $1M annually to maintain. When manufacturers are already operating on thin margins, imagine the potential for savings. Add to that the resources needed to print, travel with the data, and manage the archive rooms, and the costs continue to rise. When each batch produces significant volumes of data (on paper), and, depending on the data type, the records could require storage for 30+ years, you can imagine the physical and financial requirements of data storage are skyrocketing.

4. Audit Trail

Audit trails are a critical component of Data Integrity, and put simply, an electronic audit trail is more simple, secure, and reliable than a paper-based audit trail. When your data is digitized in a system that is GxP compliant, you're ensured that any changes are recorded and meet ALCOA+ requirements.

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