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**Embark on Your Digital Transformation** Journey

## **eMERGE<sup>™</sup> Program**

**Our standardized platform** for the exchange of data starting with the electronic delivery



**Based on ASTM** Standard\*



**Extensible Markup** Language (XML)

## The Advantages of Raw Material eData Exchange

**Eliminate** errors & save time



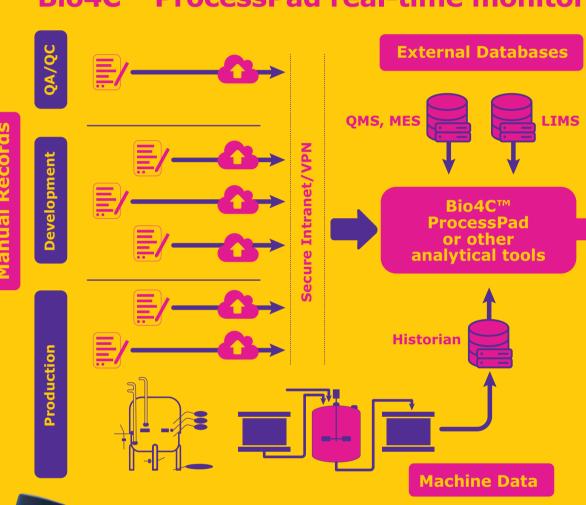
Reduce process variability

> **Improve** operational & process efficiencies

**Enable next generation** biologics manufacturing Predictive analytics & advanced process monitoring and control



Compatible with your analytical data platforms including **Bio4C™ ProcessPad real-time monitoring and reporting solution** 



**Real-time** Monitoring and Reporting .....



\*Compliant with ASTM E3077 - 17

- Standard Guide for Raw Material eData Transfer from Material Suppliers to Pharmaceutical & Biopharmaceutical Manufacturers Defines standard format and data content for ease of use & implementation with:
- Consistency of files for different product types
- Scalable and easily maintainable system covering complete product portfolio



## The eMERGE™ Program Vision



**Integrated** Quality



**Material** 



**Process** Trending & **Predictive Analytics** 



**Adaptive Process Control** 

**Integrated Supply** 



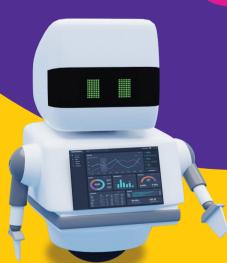
Advanced Shipping **Notifications** 



**Right Size Packaging** 







A user-friendly digital experience including analytical and logistical data, to ensure drug manufacturing predictability and control.





Achieve incremental business **improvements** 



Start your digital transformation iourney



**Establish close** collaboration and trust between suppliers & manufacturers



Work together on future technology roadmaps and expansion objectives



**Build a standard** platform solution for

flexibility & scalability



**Involve multi-functional** subject matter experts



Open sharing of process and application information



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