

Digitalization of Biomedical Manufacturing

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Janssen Supply Chain has embarked on a journey to implement real-time multivariate analytics as one component among several to digitize manufacturing and enable reductions in non-conformance, advanced process control, real time release and faster tech transfers. Other components of this strategy include adding process analytical technology (PAT), mechanistic modeling and data integration. Each step is incremental but digitalization together with process intensification and flexible and modular manufacturing equipment design has the potential to allow better customization of products and closer alignment to what the customer needs in quality, price, quantity and delivery time. This presentation will cover some of the lessons learned for our real-time multivariate journey, real-time release journey and tie it to our long-term strategy of fully digitized infrastructure. Additionally we will discuss the link between digitalized manufacturing and how it enables the future of real-time release.