ILMAC Forum: Process Analytical Technology (PAT)

Digitalization in the Pharmaceutical Industry

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The digitalization of the pharmaceutical industry is driven by regulatory initiatives (e.g. Quality by Design, Process Analytical Technology, Continuous Process Validation) and pressure on the process development timelines ("Time to Market") and reduced production cycle times ("Real Time Release Testing"). Different drivers for digitalization require different solutions – not only concerning the differences of the data which have to be analyzed for different purposes. Also the tools for visualization, trending and reporting are different. Production sites and laboratories are spread over different countries and are characterized by different IT systems, infrastructure and data acquisition systems.

The presentation will show some concept how integration of systems can be achieved and how the various requirements for data management and data analytics in production, QC and research can be met.