



Webinar on Digital Transformation in Manufacturing Processes Revolutionising Manufacturing Digitally 11 -12th Sept 2020, 16 – 18.00 hours IST



Introduction:

Advanced manufacturing approaches are applicable to different medical product areas. Furthermore, digital and smart design and manufacturing processes also promise to increase efficiency and reduce uncertainty said Stephen M. Hahn, M.D., Commissioner of Food and Drugs, and Anand Shah, M.D., Deputy Commissioner for Medical and Scientific Affairs. The potential public health value of advanced manufacturing is even greater in the context of the ongoing COVID-19 pandemic, which has highlighted the strain on supply chains and the need for adaptive manufacturing systems to accelerate the production of medical countermeasures. FDA regulations cover both sides of the innovation equation: development (whether the product meets the appropriate statutory standard) and manufacturing (whether quality products can be produced for widespread use). Many manufacturers continue to use the same production techniques that were developed more than 50 years ago.

The FDA has established a strong regulatory foundation to support the uptake of advanced manufacturing, and COVID-19 provides the unique impetus to spur further advancement of medical manufacturing said Stephen M. Hahn, M.D., Commissioner of Food and Drugs, and Anand Shah, M.D., Deputy Commissioner for Medical and Scientific Affairs. IoT (Internet of things) has revolutionized pharma manufacturing Process. Pharma companies around the globe are increasingly adopting IoT technologies in their manufacturing plants in an effort to achieve optimization and improve process efficiency. IoT technologies enable standardization within a pharmaceutical manufacturing plant by effectively connecting network, equipment, and systems across the plant. Pharma companies can also use IoT technologies to gain access to real-time data and visibility of operations through the entire manufacturing process. IoT in pharmaceutical manufacturing will also enable handling critical conditions remotely.

IoT can help reduce bottle necks & ensure greater GMP & reduce huge operational costs. IoT applications for manufacturing have become popular investments areas for many Industries. Today RPA (Robotic process automation) can assist reduce the probability of errors and lead to more streamlined operations for businesses across pharma manufacturing. RPA can be a driver for agility, flexibility, and scalability within manufacturing units. Pharmaceutical companies are obliged to adopt the use of Automated Electronic Batch Records to ensure they comply with the Current Good Manufacturing Practice regulations set by FDA. Electronic Batch Records (EBMRs) provide evidence that every drug product batch was properly handled during the production process. Major pharma manufacturers across the globe updated its batch processing platform and improved its electronic batch record process. Artificial intelligence in Pharma refers to the use of automated algorithms to perform tasks which traditionally rely on human intelligence.



Webinar on Digital Transformation in Manufacturing Processes Revolutionising Manufacturing Digitally 11 -12th Sept 2020, 16 – 18.00 hours IST



TOPICS

- eBMR (Electronic batch manufacturing records) electronic batch record solution helps an organization meet 21 Code of Federal Regulations (CFR) Part 11, which defines the manner in which FDA accepts electronic records and electronic signatures
- AI (Artificial Intelligence) removes older processes that typically rely on the need of human intervention or input, eliminating any room for human error.
- RPA (Robotic Process Automation) RPA is a software-based automation service that utilizes the concept of revolutionary AI technology. Robotic Process Automation, relies on robots or software for performing complex tasks and certain business processes with higher accuracy and speed. RPA services can replace humans from repetitive jobs to bring automation in the process.
- IOT revolutionizing Pharma manufacturing process
- Industrial Internet of Things (IoT) is a way to digital transformation in manufacturing. Industrial IoT employs a network of sensors to collect critical production data and uses cloud software to turn this data into valuable insights about the efficiency of the manufacturing operations. Implementing IoT, pharma companies can gain access to real-time data and visibility of operations through the entire manufacturing process, Technical Operations Team

Speakers



Mr. Shirish Belapure
Ex President Manufacturing
Zydus Cadila Healthcare &
Ex MD Zydus Oncology Pvt Ltd

Speakers



Anil Kumar Sr Director
Mfg IT & Automation
Cipla

Speakers



Mr. Sirsij Peshin
Global Commercial
Operations /
Experienced CIO
Pfizer USA



Webinar on Digital Transformation
in Manufacturing Processes
Revolutionising Manufacturing Digitally
11 -12th Sept 2020, 16 – 18.00 hours IST



Who should attend?

Director, Sr VP, Sr GM Manufacturing team members, Technology transfer team members, Technology development team members, Quality Team members, Production team members, Operation Team members IT Team Heads, IT Members.