

GUIDED WORKFLOWS

LION.EXECUTE. – Augmented Reality

Some Pharma 4.0 benefits are applicable to almost all pharmaceutical manufacturers. Utilizing “Guided Workflows” is clearly one of them. With latest technology, such as Microsoft HoloLens I or II, your shop floor is lifted to next level of digitization. Format changes and line clearance will become part of your smart factory applications!

TYPICAL CHALLENGES

- Time consuming documentation for line clearance or format changing tasks
- Sometimes parts of the documentation are forgotten or omitted
- Extensive training requirements for operators on multiple machines
- Many different interface technologies make line setup and maintenance a challenge
- Need for multiple operators to be present during each shift
- Time consuming reworks due to human error during setup and execution

BENEFITS

- Errors are avoided, which leads to up to 30% higher machine availability
- Due to the user guidance, no process step can be inadvertently left out
- Quality control raised to a new level due to gapless documentation
- People are trained on technology instead of multiple machines; the resources are thus more flexible in their deployment
- Tasks can be carried out as a team; workflows are processed in parallel or easily transferred to the next operator
- Use of HoloLens I, HoloLens II, iPads or other tablets with a Chrome Browser



Guided Workflows using the latest technology like augmented reality or virtualization can be your gateway into Pharma 4.0 and digitization. Cutting edge hardware like the HoloLens II, combined with standard interfaces to your machines, MES, and ERP Systems will help to fight line fragmentation due to expanding landscape and technology mix.



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