



LIFE SCIENCES

Digital Solutions for Life Sciences Manufacturing

Digital Lab

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altran

PHARMACEUTICAL QC LAB eSOP



Use Case 1: Augmented guidance for SOP

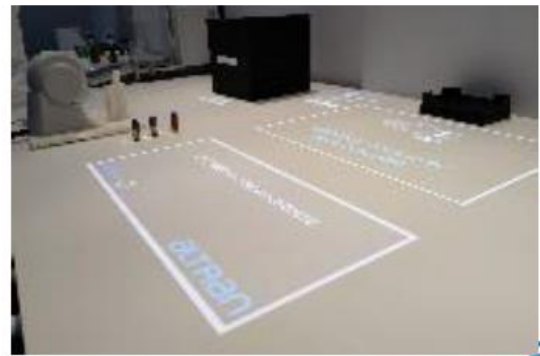
The amount of procedures and methods that lab technicians have to deal with is unmanageable and they tend to use paper-based support, even beyond SOPs. Methods and Regulations are a common resource we can find over the counter while the Lab technician is performing complex tasks and procedures.

Use Case 2: Paperless QC Lab & Data Integrity

Currently, most of data integrity is managed through paper based documents (fillings, equipment tickets, even hand written notes from lab technicians...) with the risk that it implies: inconsistencies, information gaps, and others.

Project Summary

Development of a customized interface focused on guiding and assisting the lab technician during their daily tasks within the Lab. This interface will ensure the lab technician performs the full procedure in a intuitive way, step by step, as represented on the analytical procedure.



BENEFITS

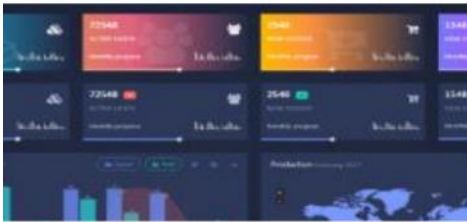
- Significant reduction of human induced error. Higher productivity.
- Digital continuity from the batch identification to the results of the test. Traceability, integrity.

APPLIED TECHNOLOGIES

- Augmented Reality by Projection
- Connectivity (IoT)

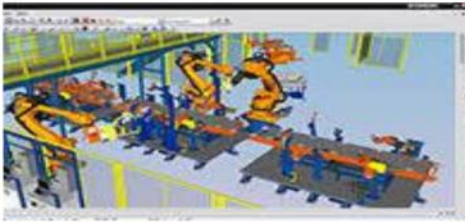
Goal of the Digital Transformation

Achieve quantified performance improvement in the manufacturing operations through tailor-made integrated application of advanced digital & automation technologies, leveraging a combination of the following applications:



MONITORING & CONTROL

Have full visibility of the operating conditions of the manufacturing system



PREDICTIVE PERFORMANCE

Predict and improve OPEX and CAPEX utilization of the manufacturing system



DIGITAL ASSISTANCE

Maximize productivity and safety of operators through the use of digital technologies



PROCESS AUTOMATION

Transfer the optimum workload from humans to machines

Potential Solutions With Definition



Augmented Reality

Augmented reality (AR) is an interactive experience of a real-world environment where the objects that reside in the real-world are enhanced by computer-generated perceptual information including visual, auditory, haptic, somatosensory and olfactory.



Artificial Intelligence

The term "artificial intelligence" (AI) is often used to describe machines (or computers) that mimic "cognitive" functions that humans associate with the human mind, such as "learning" and "problem solving"



Digital SOPs

Digital SOPs allow technicians and managers to have the right, updated information at the right time and location, saving hours of highly valued people in looking for documents or for the right information on the document



Connectivity

The connectivity of equipment, technicians and systems allows the people working in the lab to significantly reduce the workload and mistakes by automatic uploading of the relevant information



Automation

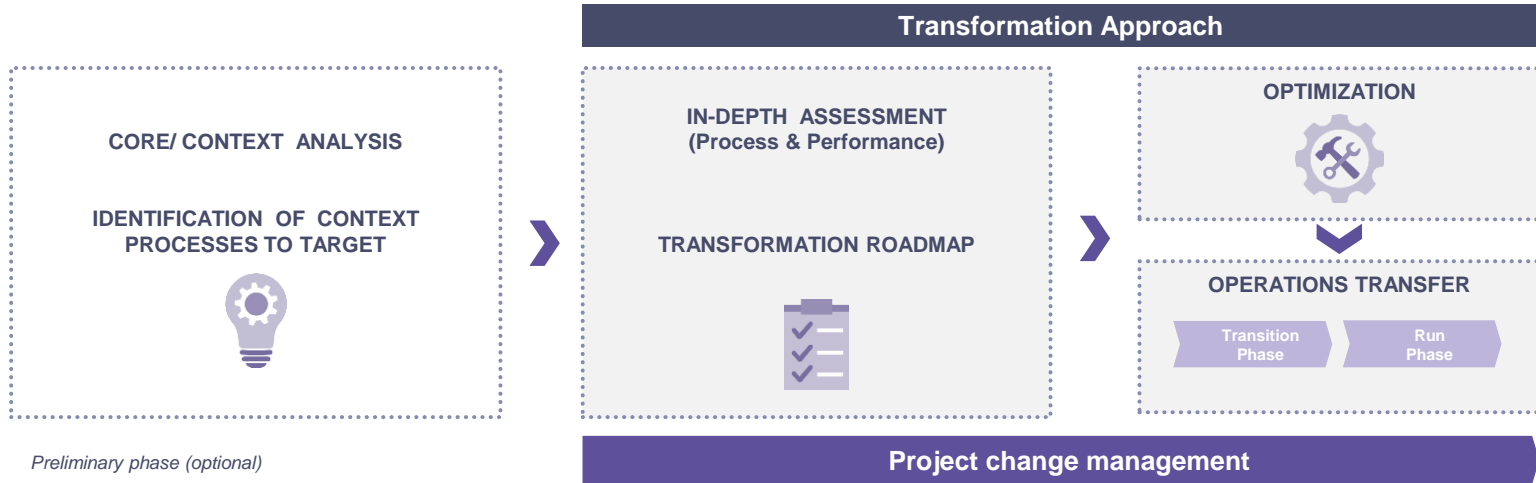
Automation is the technology by which a process or procedure is performed with minimal human assistance.

The Digital Transformation

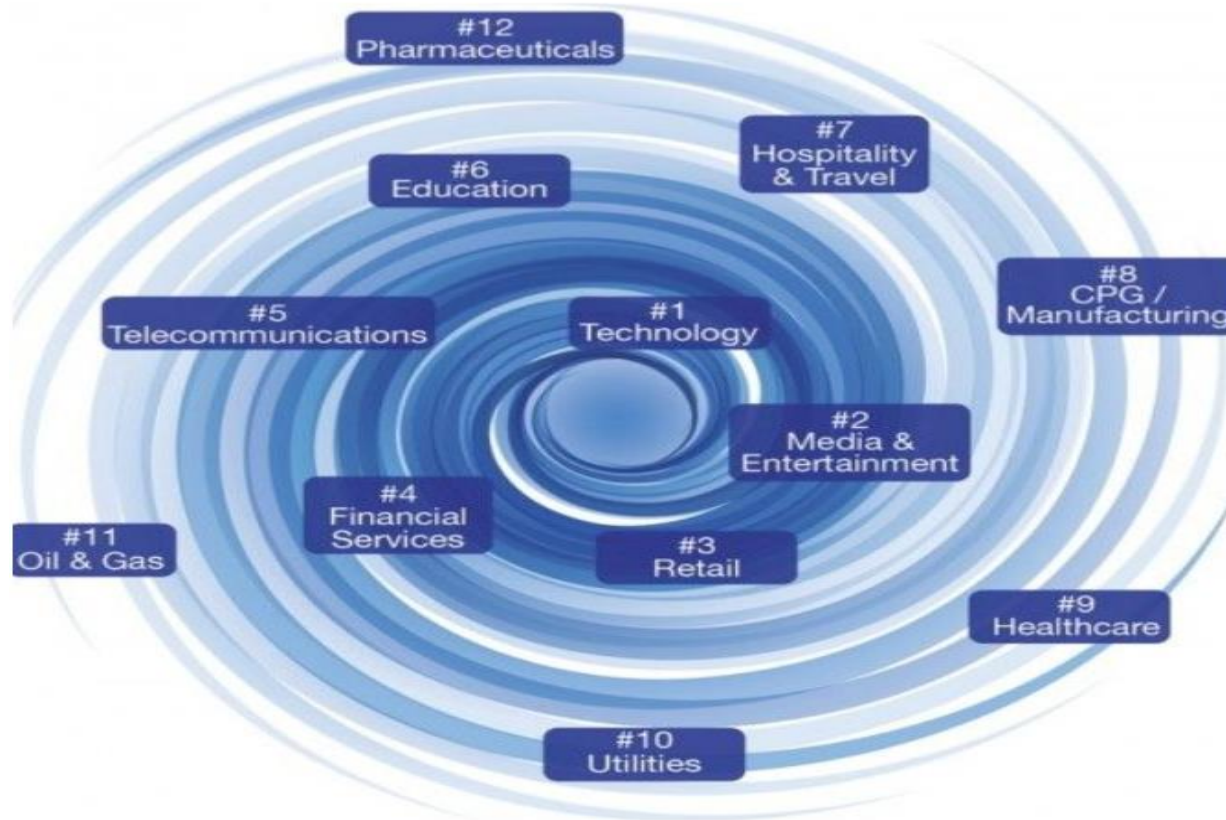


Compliance Transformation & Managed Services

We can also support the compliance and quality activities with a smooth transition from current client's situation. We have a modular transformation approach that goes from in-depth analysis and roadmap definition to optimization and activity transfer ensuring rapid deployment and tangible results.



Digital Vortex 2019





“It is not the strongest of the species that survive, nor the most intelligent, but the one more responsive to change.”

Charles Darwin

Muito Obrigada pela vossa atenção.

Os meus contatos:



alTRAN