

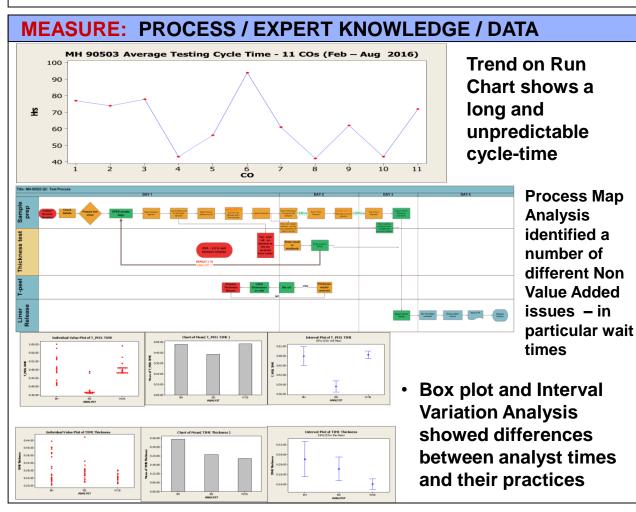
Lean Six Sigma Green Belt Project Storyboard



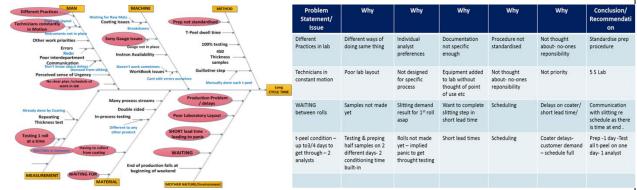
Project Name: Optimise the testing of Product A in the QC Laboratory	Start Date: 07 Oct 2016
Project Leader: A N Other	End Date: 07 Apr 2017
Project Type: LEAN	Industry: Pharmaceutical

DEFINE: PROBLEM / BASELINE / GOAL

The cycle-time for the Product A Testing Process (based on a Pareto Analysis) in the QC Lab is too long resulting in resources being tied up and late delivery of other products. In the past 6 months, the average cycle time was at 64 analyst Hours. Plan to reduce this to 40 hours with a cost saving of \$33,600



ANALYZE: DRIVERS / ROOT CAUSES / VITAL FEW



- Fishbone and subsequent Cause Screening identified the Top Xs or Drivers
- 5 Whys were then conducted in these to identity Root Causes to address in the Improve Phase

IMPROVE: INNOVATION / IMPLEMENTATION PLANNING

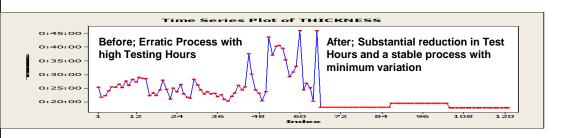
Recommendation	Action	Owner	Deadline	Status	Main Actions included;
Create LTM to prep samples	Document control	Emma	End Nov	Achieved	Standardisation of Sample Preparation Process using the most efficient Analyst Method
Training in new LTM	Training Session	Emma	End Nov	Achieved	
Standard template in place	Place under glass	Emma	End Nov	Achieved	
place					Design of a Mechanical
Test in batch when coating step finished	Communication to slitting as when the results available	TEAM	Dec 2016	On-going	Template to ensure correct loading of samples in Test Fixture
5S LAB	Training, Schedule events	TEAM	Jan 2016	Achieved – on-going process	
Proposed Test F	2rocess — 32	Apalyst H	S - IDEAL		 Basic 5S Exercises to ensure
rioposed rest r	Analyst Hi	3 - IDEAL	DAY	Point of Use Principle is	

Basic 5S Exercises to ensure Point of Use Principle is deployed as much as possible

- Synchronisation of Process Flow to reduce wait times between steps
- Re-training on revised Process

CONTROL: RESULTS / SUSTAINING

- Product A Testing Process down from 42 shift hours to 5 shift hours with variation in test time reduced from 25 minutes to 1.5mins
- On-Time deliveries now @ 90% for Product A in last 6 months
- Overall analyst hours cycle-time reduced to 32 hours with annualised cost saving of \$76,800 (versus a baseline of 64 hours and a Target reduction to 40 hours)



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