

Productivity Improvement Case Study – Pharmaceutical Industry

L.E.Transformation

Solutions for Industry 4.0



Client: Leading Oral Solid Dosage (OSD) Pharmaceutical Company

Problem Statement

- High Overtime
- High Interdepartmental Response Time

Challenges Deep-dive



Our team of experts did extensive analysis and found out following key challenges



Lack Of Standards

No scientific standard time calculations available. Actual engagement identification was difficult.



High Changeover Times

Type-A & Type-B changeover takes very high time resulting in waiting for next batch



Planning Of Resources

Resource planning depending on experience and urgency. No forecasting.



Higher QC Response Time

Batches stopped and waited for QC reports to come for In-process inspections.

Solution Strategy

Work Standards Development

Work time standards for all processes to be developed

1

QC Test Planning

QC test planning to be improved with the help of work standards

3

Changeover Time Reduction

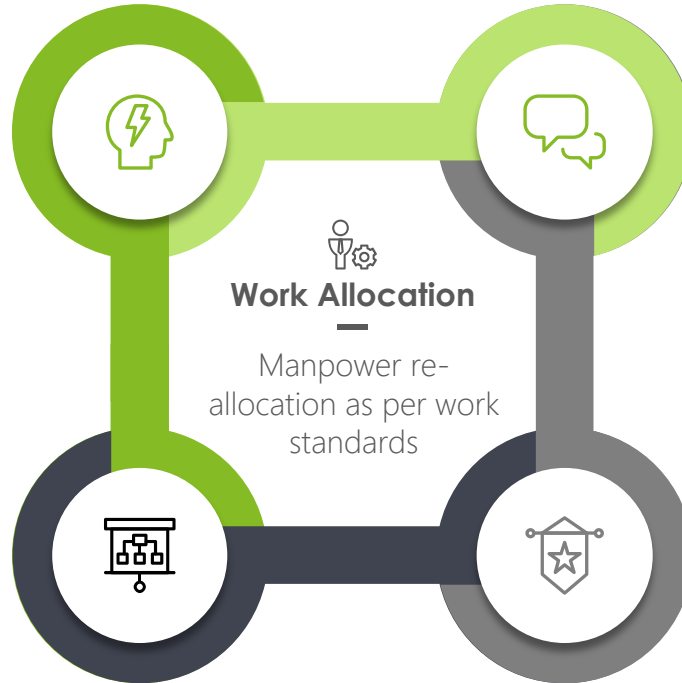
Type-A and Type-B changeover times to be reduced through improvements using principals of SMED.

2

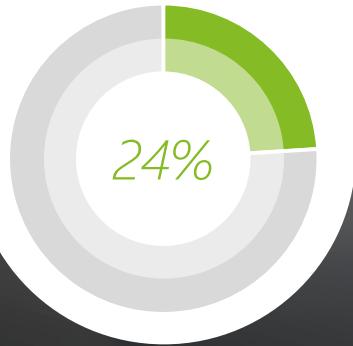
Real-time Monitoring

Real-time monitoring to be started for batch timings and loss booking to be followed aggressively

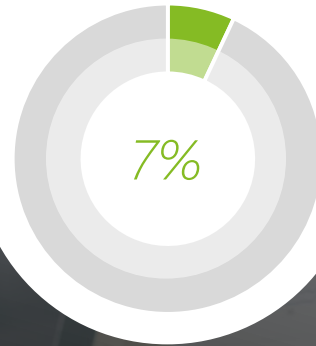
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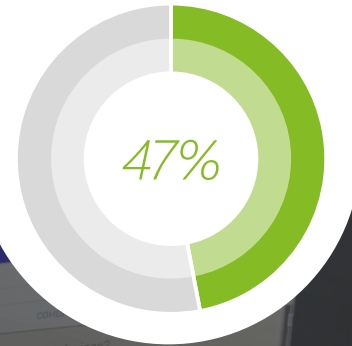
Immediate Benefits



Overtime cost was eliminated by improving manpower engagement by 24%



Waiting due to QC tests was reduced to 7% from 38%



Changeover time was reduced by 47%