A black and white cow with yellow ear tags is shown eating from a trough. The background is a blurred image of other cows in a farm setting.

Productivity Improvement Case Study – Animal Feed and Nutrition Industry

L.E.Transformation 
Solutions for Industry 4.0

Client: Leading Animal Feeds and Nutrition Company

Problem Statement

- High Overtime
- Allocation Of Resources
- 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

Product-product and batch-batch 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

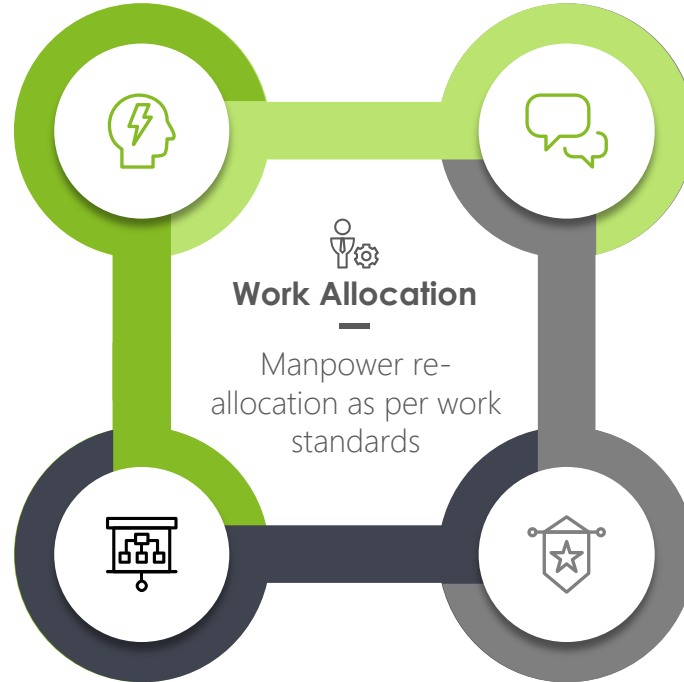
Changeover times to be reduced through improvements using principals of SMED.

2

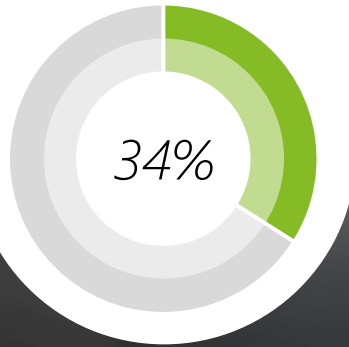
Real-time Monitoring

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

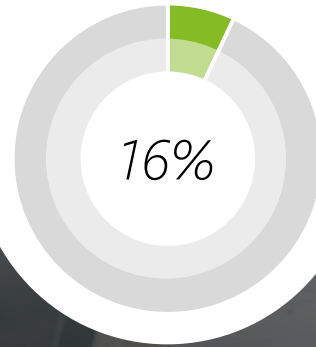
4



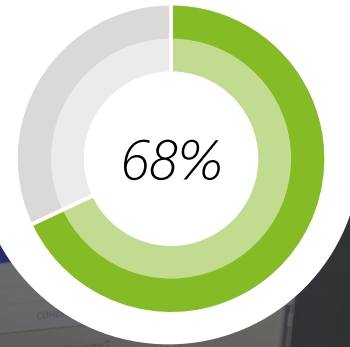
Immediate Benefits



Manpower reduction by 34%
With 27% improvement in
engagement



Working hours reduced from
720 to 608 for capacity
production



Changeover time was reduced
by 68%



Thanks



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