



www.cedar-root.com
(812) 604-9910



About Cedar Root

Since 2003, Cedar Root has partnered with industry to improve client business performance employing a proven, time tested, data driven methodology that aligns employees with the flawless execution of vital business processes most influential to the balance sheet and income statement.

Case Study

Batch Record Review *Cycle Time Reduction*

Industry: Pharmaceutical

Client: Confidential

Methodology: Kaizen Event

Process

Batch record review for multiline pharmaceutical packaging process.

Business Case

Over the past twelve months, the batch record review process for a multi-line pharmaceutical packaging plant averaged 6 business days, up from 4 business days, resulting in higher inventory levels as well as reduced on-time customer shipments.

Objective

Reduce the batch record review and approval time from 6 business days to 4 business days.

Key Tools Used:

- Voice of the customer
- Value stream mapping
- Value flow analysis
- Pareto charts
- 5 Why analysis
- Process flow improvement

Results:

- 11,000 sheets saved
- Saved 360 hours of operator time generating documents
- 200 hours saved in producing copies
- 125 hours of supervisor time saved managing documents
- Reduced batch record signatures from an average of 483 per batch record to 285
- \$22,000 cost savings based on an annual volume of 450 batch records

Lessons Learned:

- Map the process being analyzed
 - A significant amount of non-value added work due to perceived internal and external requirements, i.e. making copies of sections of the batch record when not required
 - Discontinue using the batch record as a “work-around” for past manufacturing issues.
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