GREEN Supply Chain: External Process

Goals:

- Define the concept of "GREEN" internally and externally
- 2. Benchmark suppliers to determine what they believe GREEN to be
- 3. Create a strategy of GREEN supply chain
- 4. Develop a metric for the supply chain
- 5. Create a GREEN policy



Progress:



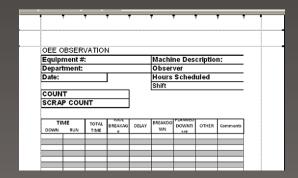
Results:

- 1. Conducted research on what the perception of GREEN is with concern to industry
- 2. Created a GREEN questionnaire to interview suppliers
- 3. Created a scale to rate suppliers based on their GREEN policies
- 4. Created a GREEN statement and policy for Sloan's supply chain

Lean Implementation: Overall Equipment Effectiveness

Goals:

- 1. Develop method to document data pertaining to the performance of specific machinery
- 2. Generalize methods from specific machinery so they can be applied to all other machinery
- 3. Identify the relevant people on the floor to lead data collection



Progress:



Results

- I. Researched OEE
- 2. Analyzed Sloan's OEE Program
- 3. Developed new ideas
- Used findings to create data collection method that is user friendly and effective

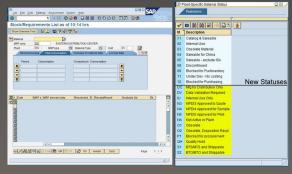
OEE is used to

-Determine downtime, devise preventative maintenance plans , and influence future purchase of equipment

SKU Organization: Inventory Management

Goals:

- I. Error occur because on-hold inventory is controlled manually
- 2. Orders are booked at the incorrect plant
- 3. Inventory exists at locations where it cannot be utilized or identified
- 4. No way to determine SKU stocking plan by plant
- 5. No way to indicate stages of new product development



Progress:

| | Sep | Oct | Nov |
|-----------------------------------|-----|--------------------|-----------------|
| Meeting with Sloan | | | |
| Developing Logic Sheet | | | |
| Pulling Data from SAP | | | |
| Bulk Assigned Statuses | | | |
| Individually Assigned Statuses | | EDC > WDC >FKP > 0 | DC (CN01/ MX01) |
| Loading New Data into SAP | | | |
| Create Reporting Procedure | | | |
| Create Presentation | | | |
| Present | | | |

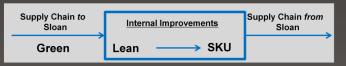
Results

- I. Developed new part statuses
- 2. All domestic part statuses (50,000) updated to the correct new status in SAP
- Reports were created to based on new SKU
- 4. Total company savings \$57,000

| Material Master Data | | | |
|----------------------|-----------------|------------------------------|--|
| Material | Material number | Total stock 12 Total value | |
| | | | |

Overall Project Goals

- I. Establish a foundation for a GREEN supply chain by benchmarks and policies
- 2. Improve production efficiency by minimizing machine and operator downtime
- 3. Improve product tracking by implementing new part statuses



Corporate Sponsor

Sloan Valve Company

Facility Advisor

Prof. John Caltagirone

Green Team

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Lean Team

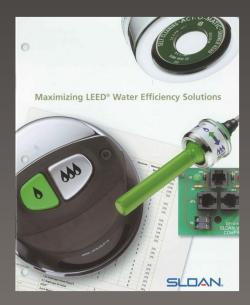
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Sloan Valve Company

- World's leading manufacture of water-efficient solutions
- Headquarter: Franklin Park Illinois
- Founded in 1906
- Facilities in Michigan Massachusetts, Pennsylvania, California, Mexico and China



Commitment to Sustainability

- Business practices that emphasize GREEN policy
- Currently, all of Sloan's flushometers are made from approximately 80 percent semi-red brass cast alloy, 99 percent of which is from recycled sources.
- This alloy consists of 45 percent post consumer material, 53 percent secondary material and I percent virgin material.

[IPRO 306] - Improving Global Supply Management

Goals > Progress > Results



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