

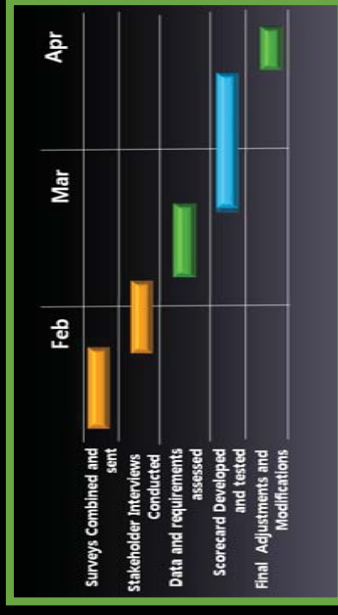
Green Supply Chain: External Process

GOALS

1. To finalize and implement Green Survey and Met rics from previous semester.
2. To create a system to reliably and efficiently rate Sloan's suppliers against a set criteria.
3. To reduce time lost due to inspection of parts received from supplier.
4. To create a system that allows suppliers to easily view their scores.

Item	Score
01 Price level	100
01 Price level	100
02 Quality	63
01 GR Inspection/accept	100
03 CAPA Audit/response	0
02 Delivery	97
01 On-time delivery	100
02 Quantity reliability	79
03 Comp. w/Ship Instr.	100
06 Quality - GR only	75
01 GR Inspection	100
07 Del. - On time & qty	90
01 On-time delivery	100
02 Quantity Reliability	79

PROGRESS



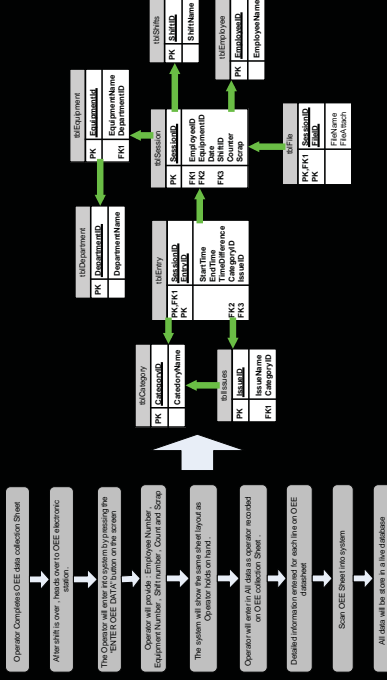
RESULTS

1. Combined existing Sloan survey with last semester's Green survey.
 - Initial set of suppliers resulted in expected scores
 - Created an automatic scorecard for suppliers
2. Scores can be done automatically or manually
 - Parameters can be changed for future fine tuning
 - Data used to source can be shown to suppliers for verification of score

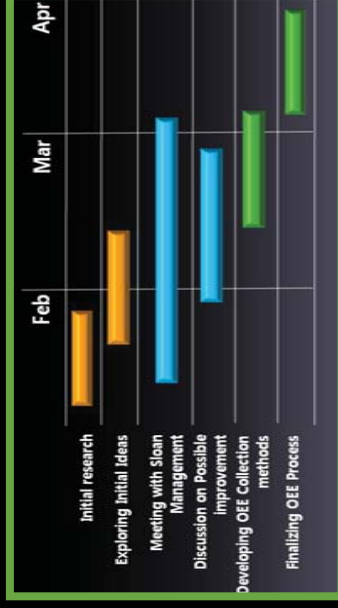
Lean Implementation: Overall Equipment Effectiveness

GOALS

1. To develop a methodology and a system which would provide live data on OEE for all machines which are being used to enter data for.
2. Create a process for collection of OEE data that is both functional and operator friendly.
3. Create a potential system design and breakdown process on OEE processed data.



PROGRESS



RESULTS

1. Researched OEE and currently used processes.
2. Developed a potential system which would provide live data to management.
3. Created a database schema for OEE.
4. Created a walkthrough process on how OEE data would be collected.

Cost Decision Matrix

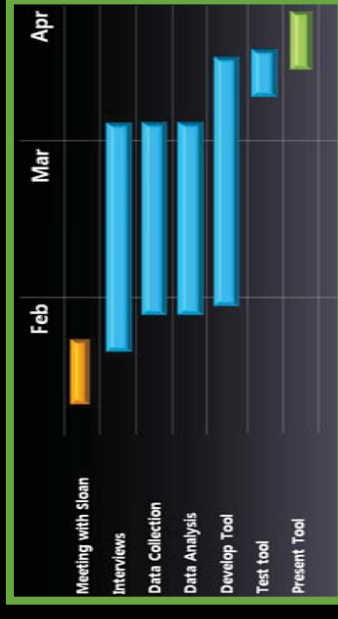
GOALS

1. Standardize the entire sourcing process across all the plant. Standard work is the basis in a lean organization journey
2. Reduce the complexity
3. Reduce the time consumed and make it more efficient
4. Develop a user friendly and functional tool
5. Increase the organization's awareness on the total costs involved
6. Better understanding of various costs through cost segmentation.

Cost Matrix Input Tab

Cost Matrix Summary Tab

PROGRESS

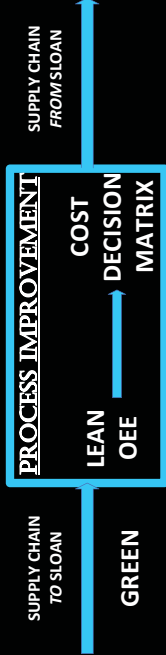


RESULTS

1. The team developed a cost matrix tool to compare the different costs associated with different products of Sloan across the globe
2. Reports were created based on different regional costs associated with the same product
3. Total Projected Company Saving: 10%
4. Helped Sloan support global market by sourcing their products from different countries
5. Regionalized sourcing strategies

Overall Project Goal

1. Create a process for collection of OEE data that is both functional and operator friendly.
2. Create and design a tool to perform Cost Matrix.
3. Design and implement a green initiative that is both cost effective and appealing to consumers.



Corporate Sponsor

Sloan Valve Company

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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, California, Pennsylvania, 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 1 percent virgin material.

IPRO 306

IMPROVING GLOBAL SUPPLY MANAGEMENT

GOALS -> PROGRESS -> RESULTS



Corporate Sponsor

SLOAN.