1. 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

**GREEN Supply Chain: External Process**

**Goals:**

1. Conduct research on what the perception of GREEN is with concern to industry
2. Create 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

**Results:**

1. Researched OEE
2. Analyzed Sloan’s OEE Program
3. Developed new ideas
4. 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

**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

**Results:**

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

**SKU Organization: Inventory Management**

**Goals:**

1. Error occurred 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

**Results:**

1. Developed new part statuses
2. All domestic part statuses (50,000) updated to the correct new status in SAP
3. Reports were created to based on new SKU
4. Total company savings $57,000
1. 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

**Sloan Valve Company**
- World's leading manufacturer 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 1 percent virgin material.

**Corporate Sponsor**
Sloan Valve Company

**Facility Advisor**
Prof. John Caltagirone

**Green Team**
Michael Walters
Stephen Falk
Samuel Yonezawa

**Lean Team**
Michael Spytek
Burim Bakalli
Ashika Sita Jayanthy
Martin Biller
David Skiba
Shawn Zhan

**SKU Team**
Chetan Rawal
Bank Chavalit
Andrew DiCosola
Monika Krauszowska
Alan Pang
Joohying Eom