

Green Supplier(s) Network

A 360vu/EPA Partnership

The Lean & Clean Process Review

The Green Supplier(s) Network (GSN), a partnership between 360vu (the national brand of the NIST Manufacturing Extension Partnership) and the Environmental Protection Agency (EPA) are providing interactive on-site reviews for GSN participants and their suppliers. Each review helps GSN suppliers discover opportunities for organizational improvement and cost savings by lessening environmental impacts while improving productivity and customer satisfaction.

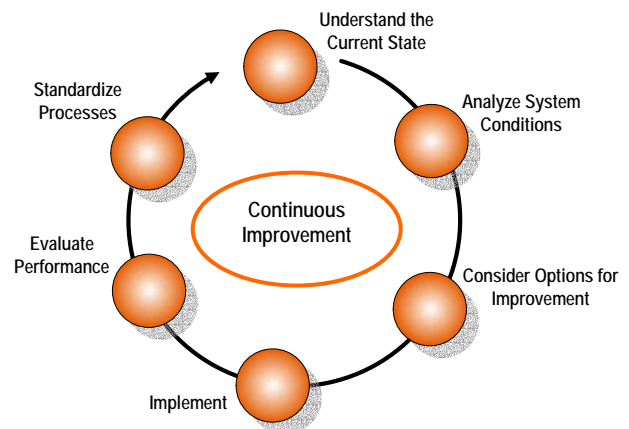
1. GSN Review Objectives

Each review is designed to achieve the following objectives:

- Improve use and selection of raw materials
- Reduce labor and capital costs
- Establish systems to use energy more efficiently
- Institute consistent work practices and procedures
- Encourage greater employee participation in improvement activities
- Decrease the use of toxic and/or nonrenewable materials

2. GSN Review Approach

Each GSN review follows established 360vu Lean & Clean methodologies, which concentrate on the root causes of waste and provide a framework for the successful implementation of Lean & Clean techniques. A 360vu advisor will be assigned to each GSN review to work closely with the supplier's management team throughout the process.



3. Implementation Tasks

Working with the supplier's management team, the 360vu advisor will establish a project plan with defined tasks and deliverables. The advisor provides real-time coaching/ facilitation in addition to training and knowledge transfer throughout the process.

4. Review Deliverables

Following 360vu Lean & Clean methodologies, the GSN review will achieve the following deliverables:

Understand Company's Current State

- Identify project team and engagement focus
- Perform a top-level assessment of company financials and operational status
- Select company representatives to complete assessment

- Determine organizational preparedness for change
- Conduct initial cost savings estimate compared to "Best-in-Class" companies
- "Walk the floor" with company representatives
- Deliver on-site training of Value Stream Mapping for company participants
- Create Value Stream Map depicting current state
- Create Process Map that focuses on material inputs and outputs.

Analyze System Conditions

- Identify sources of waste from Value Stream / Process maps
- Gather data to support assumptions
- Undertake root cause analysis

Consider Options for Improvement

- Identify opportunities for improvement
- Brainstorm and create Future State Value Stream and Process maps
- Create prioritized continuous improvement list with responsibilities and timelines
- Present to management opportunities and cost benefits analysis

Implement Changes

- Undertake Cost/Benefit Analysis
- Generate a report on implementation recommendations
- Conduct follow-up survey to measure impacts

5. Project Plan and Schedule

The GSN review will adhere to the following task line for undertaking the work described above. A typical engagement will require some 40 to 60 hours on the part of the 360vu advisor. The GSN review requires several client employees be assigned to the review throughout the engagement.

Lean & Clean Workshop										
Phases	1			2			3			
Understand Current State	Red	Red	Red							
Organizational Assessment	Red									
On-Site Assessment		Red								
Write & Present Assessment Report			Red							
Analyze System Conditions				Yellow	Yellow	Yellow				
Explain Lean and Clean Objectivesw				Yellow						
Identify sources of waste					Yellow					
Determine Root Causes of Waste						Yellow				
Consider Options for Improvement							Green	Green		
Brainstorm Improvement Opportunities							Green			
Evaluate Risk and Rewards for Options							Green			
Generate Prioritized List of Recommendations							Green			
Report Recommendations to Management								Green		
Deliver Final Report with Cost Benefit Analysis									Blue	Blue

Continuous Improvement

The GSN review is completed with the delivery of a written set of recommendations to the client. The 360vu Center also can facilitate making Lean & Clean manufacturing a strategic investment.

6. Fees and Terms

One (1) Lean & Clean specialist will be assigned to complete each GSN project. The base fee is \$7,000 plus out-of-pocket expenses. The EPA will contribute \$2,500 to reduce the overall cost of the project to \$4,500. Out-of-pocket expenses are an additional reimbursable cost. Actual expenses will be charged as incurred.

Green Supplier Network is a collaboration between MEP and the Environmental Protection Agency (EPA). 360vu is a strategic approach to business designed specifically for small manufacturers and offered exclusively by the Manufacturing Extension Partnership (MEP) of NIST and delivered by certified MEP Centers located throughout the United States. Our customizable approach and proven suite of integrated tools and services help small manufacturers make significant improvements throughout their companies. For more information, contact your local 360vu professional business advisor at 866-GO-360vu or find us on the web at 360vu.com. Transformational Planner is a registered trademark of MMTC. 360vu is a registered trademark of the Manufacturing Extension Partnership and NIST.