

Continuous Improvement Lunch & Learn: Tricks to Become More Efficient

Conya Hall August 23, 2023

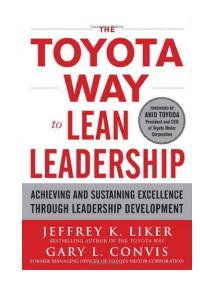
What is Continuous Improvement

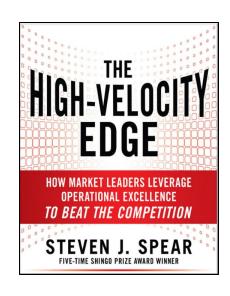
Continuous Improvement is a method and philosophy to strive for perfection for everyday execution of your processes, products or the services to your customers. This can be obtained in small increments steps or larger process improvement projects.

Continuous Improvement is an umbrella term that encounters many methods. Examples: Lean & Six Sigma

Today I will introduce 3 Lean Tools:

- Go and See
- 5S
- Waste Observation Form







Go and See

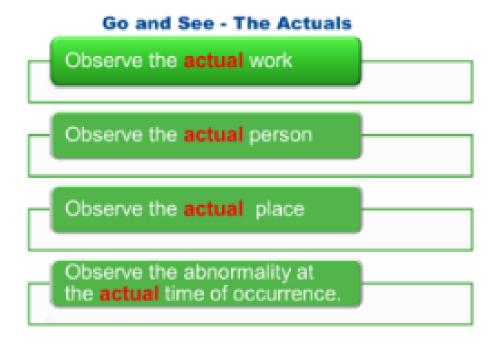




How to Go and See, ask Why, show respect

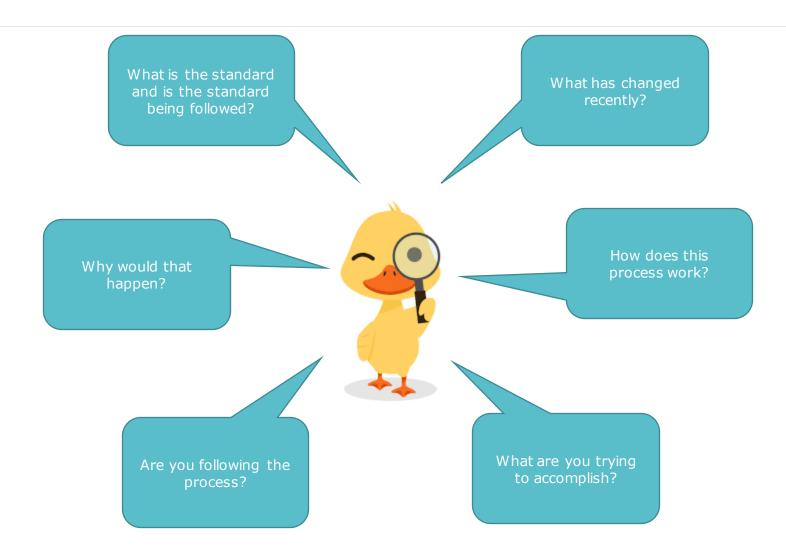
Someone has come to you because they have a problem/issue. What is the first thing that you do in order to resolve the problem?

Always Go and See to collect facts about the problem before experimentation starts





Questions to Ask or Observe





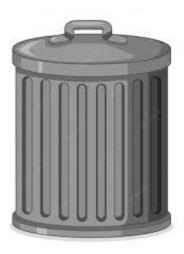
Go and See Form

** ES		
n 👪	GO & SEE	FORMAT
ame1 (Who Attended o & See?)		↓ ■
ly Organization		*
ate of GO & See	110	
urpose of GO & SEE		*
rganization Viewed		*
/ho Did I Meet With?		♣ ■
/hat Did I Learn?		*
/ho will I share with?		*
ttachments from Go &	⊕ Click here to attach a file	
/hich of my processes		*



Waste Observation Form

TIMWOODD





Waste Observation Form

A Tool to be used to document, present, and analyze opportunities to eliminate waste in an area, department or process.

Waste is typically categorized into 7 types:

















Transportation



Transportation – the movement of product in between processes. Are you moving a product over potentially long, unnecessary distances? Transportation waste causes delays and can end up damaging products and equipment.



Inventory

Inventory – raw material, work-inprocess or finished goods that sit around. Do you have more than you need piled up on a shelf, in a warehouse or in your office? When you have a lot of excess "stuff," you probably have more inventory than you need – and that's expensive!





Motion



Motion – the wear and tear on equipment and people; the movement within a process rather than the movement of material between processes (transportation). Do you have to stretch too far or maneuver in uncomfortable ways to do your work? It's better to have the products and equipment in an easy and comfortable position to prevent stress and save time.



Waiting

Waiting – any idle time produced when two interdependent processes aren't completely synchronized. Are you sitting around waiting for a machine, products, people or information? That's a waste of your time... and it's frustrating! Less waiting frees you to do more productive work.





Over-Production



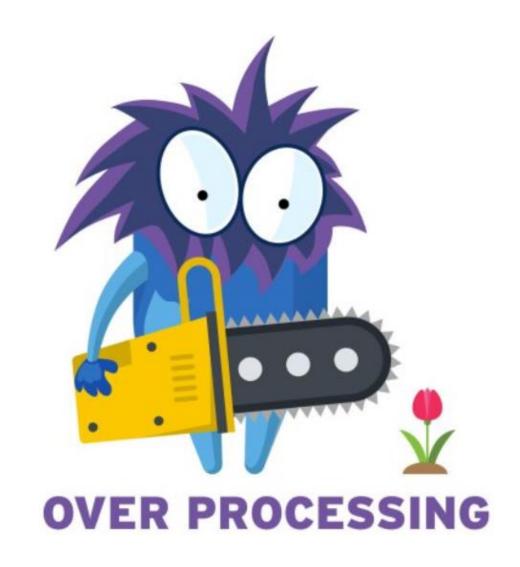
Over-Production – making more than is necessary; producing something before it's needed or producing too much of a product. Do you really need those big batches? How much stock is required to complete the job? Extra inventory needs to be stored and transported which ends up costing money and space.

OVER PRODUCTION



Over-Processing

Over-Processing – putting more time and effort into a process or product than is necessary. Are you overdoing it? If you don't know exactly what the customer wants, how can you align your processes to what the customer needs? You will reduce over-processing by setting clear expectations around what is acceptable for the work at hand. There may be a better way that saves you time and money.





Defects

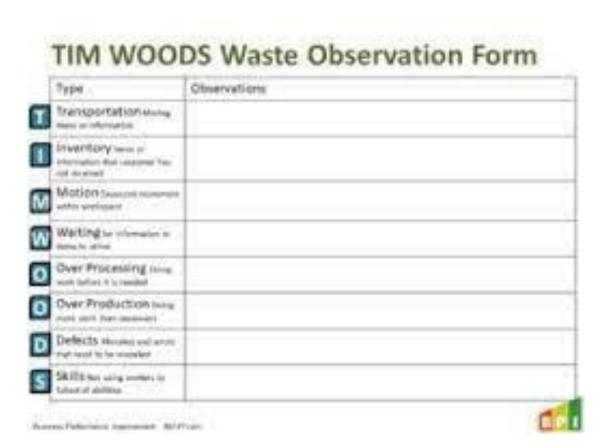


Defects – errors in information, products or services that cause rework. How often is it right the first time? Do you have standard processes? Are they designed appropriately? Is there an equipment maintenance schedule? Is it followed? Are operators trained properly? Are policies reinforcing the right behaviors? Do embedded tests alert you to problems when they surface? It's important to find defects as soon as possible and identify their root causes so they don't happen again.



Waste Observation Form

Waste Observation Form			
Area:	Obse	Observers:	
Date:			
Observation	Type of Waste*	Notes (Comments, issues, solutions to consider)	
Safety or Environmental Issues:			





[&]quot;Types of waste are: Transportation, Inventory, Motion, Waiting, Over Production, Over Processing, Defects



5S is a method of creating a clean and orderly workplace that exposes waste and makes abnormalities immediately visible. This method can be used in any industry.

Sort: Discard and remove non-essential items

Set: Create a place for everything and put them where they belong

Shine: Clean the area and items

Standardized: Set up rules and policies to keep the area clean and organized

Sustain: Audit for compliance



Sort





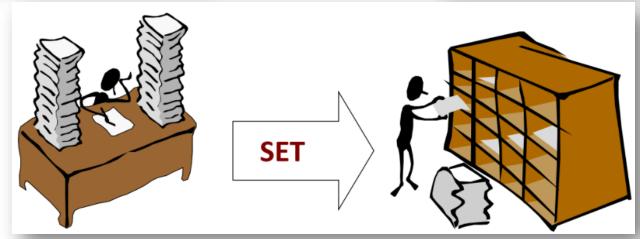




Set









Shine





Standardize



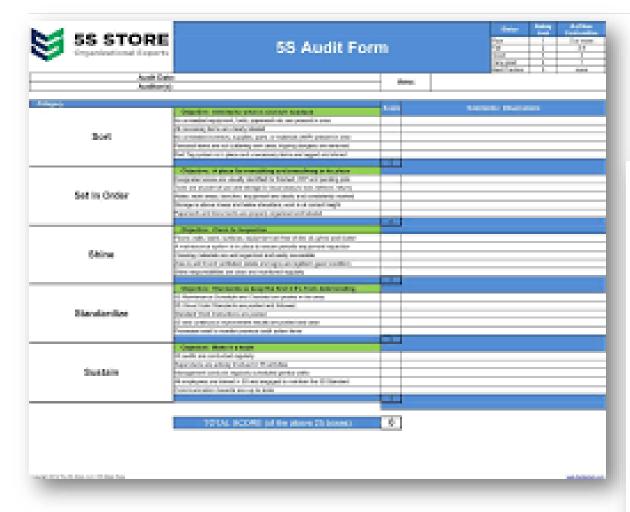


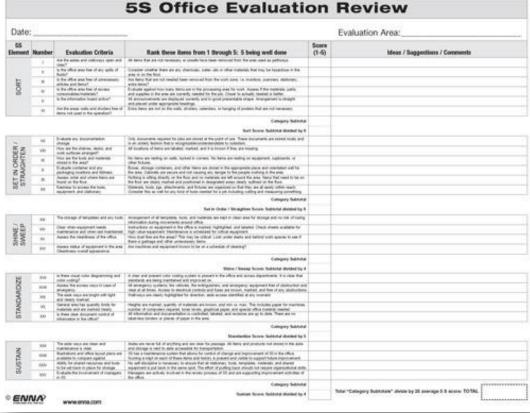
Sustain



Sustain ensures you continually reap the benefits of your 5s deployment gaining improved efficiency and reduced waste.

5S Forms to end conversation







Recap

What did we Learn?

- ☐ What is Continuous Improvement
- ☐ Go and See
- Waste Observation Form
- **□** 5S



Questions?



MCEEA Upcoming Events



Virtual Lunch and Learns

- September 14th "Eliminating Barriers: Supporting Student Basic Needs" REGISTRAITON IS OPEN
- November 9th "Diversity and DEI in the universities: Impacts of the Supreme Court decision"

 REGISTRATION NOT OPEN YET
- January 10th "Al in the Workplace and HR considerations" REGISTRATION NOT OPEN YET

Quarterly Networking events

- October 5 & 6-Crystal Mountain, Thompsonville MI Registration not open yet
- December 7 & 8 Ann Arbor Registration not open yet



Want to be more engaged with MCEEA?



Become a member <u>MCEEA - Membership Form</u>

Interested in becoming a committee member? Reach out to one of the following

- Joe Bamberger, President <u>jbamberger@emergejobs.com</u>
- Korina Kasperek, President Elect <u>korina.Kasperek@dteenergy.com</u>

