WELCOME Lean in Washington - The Basics!



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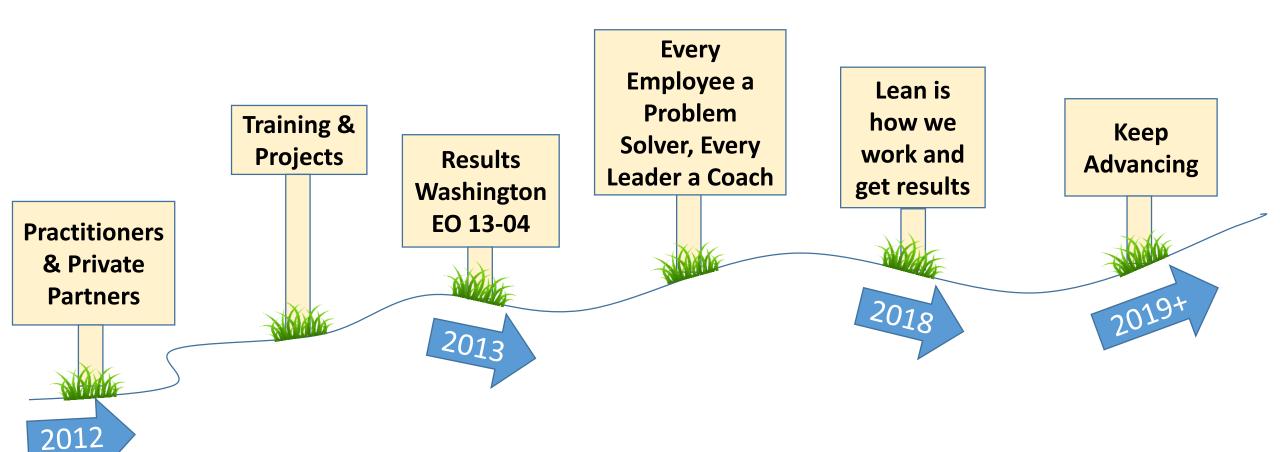
Today We'll...

- Hear how we define Lean in Washington state
- Gain insight into our state's journey
- Learn about common Lean tools or terms
- Understand that Lean is much more than tools
- Reflect and take action toward future learning

History of Lean



Washington State's Journey



Lean is...

a way of leading and working, built on respect and humility, that uses continuous improvement, to produce great results for customers.

Lean is for EVERYONE every day.



Way of Working





Lean is for everyone every day.

Human Experience Matters



- Respect
- Humility
- Diversity
- Problems are good
- Ok to make mistakes

Customers



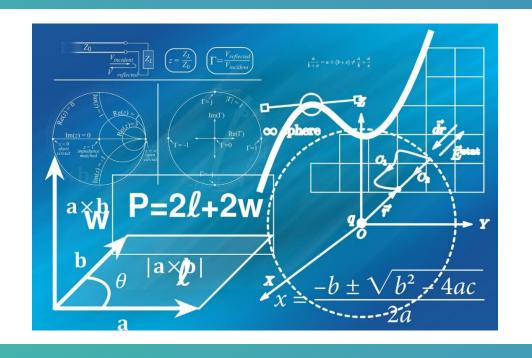
Employees



Change for the BETTER

Language





You don't have to use foreign or technical terms to be able to use Lean.

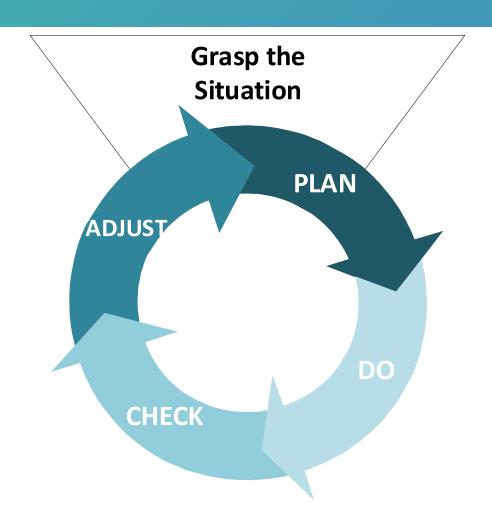
Consistency



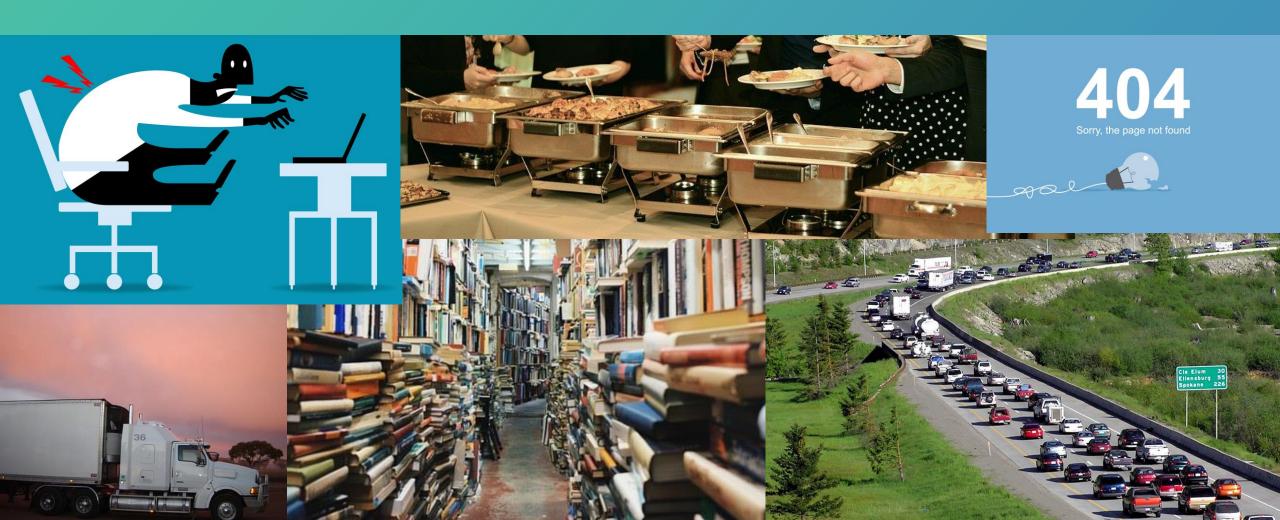
Principles

gPDCA

- Grasp the Situation
- Plan
- Do
- Check/Study
- Adjust/Act

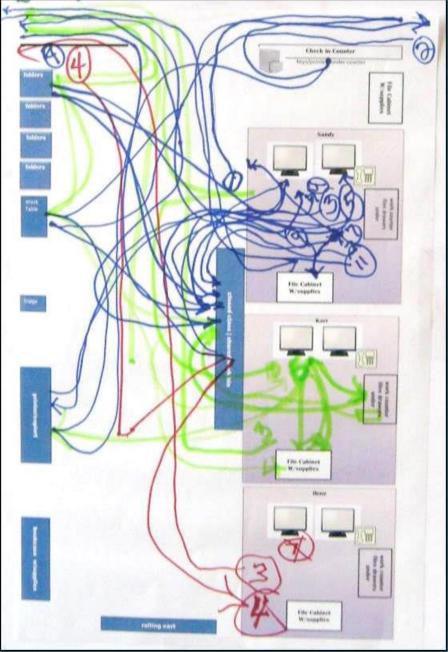


8 Wastes

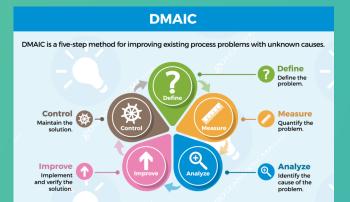


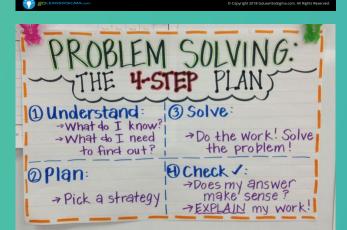
Mapping





Problem Solving



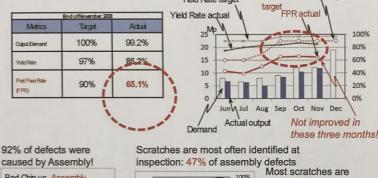


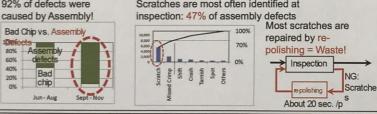
Title: Reduce Scratches in Assembly

Supervisor Shop: Device-K Assembly Manager Owner: Mary Ichiro Dec. 15, 08 Update: Dec. 15, 2008 Device-K Sales Plan by Product Type

1. Background - Device-K is our next main product! Sales # of Major - Increase in variety of mounting/casing - Quality is a key success factor in assembly as well as in the chip process

2. Current state (Based on November data)





3. Target

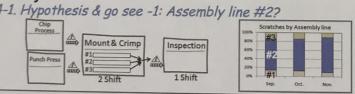
- (1) Zero scratches! 15% to Zero
- (2) Reduce missed crimp! 10% to Zero

 \rightarrow FPR = 90% * Based on November data

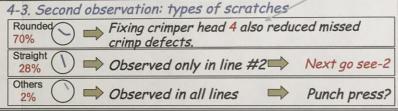
First Pass Rate (FPR)

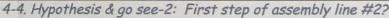
4. Analysis

4-1. Hypothesis & go see -1: Assembly line #2?











Entrance of line #2

5. Countermeasures and plan

	Action item	Dec. 5	12	19	26	Jan.	Responsibility	Status
	Fix crimper head		-0				Mary & Jack	Done
2	Fix leaf spring		-0				with Facility Team	Done
	On-line inspection	Trial		Prep.	2-shift	Inspection	Jimmy	On track
							Mgr. Assembly	Oll a den
4	Reduce inventories between processes	Sto	p mach		ernatively ment VM	Maintain	Team	On track

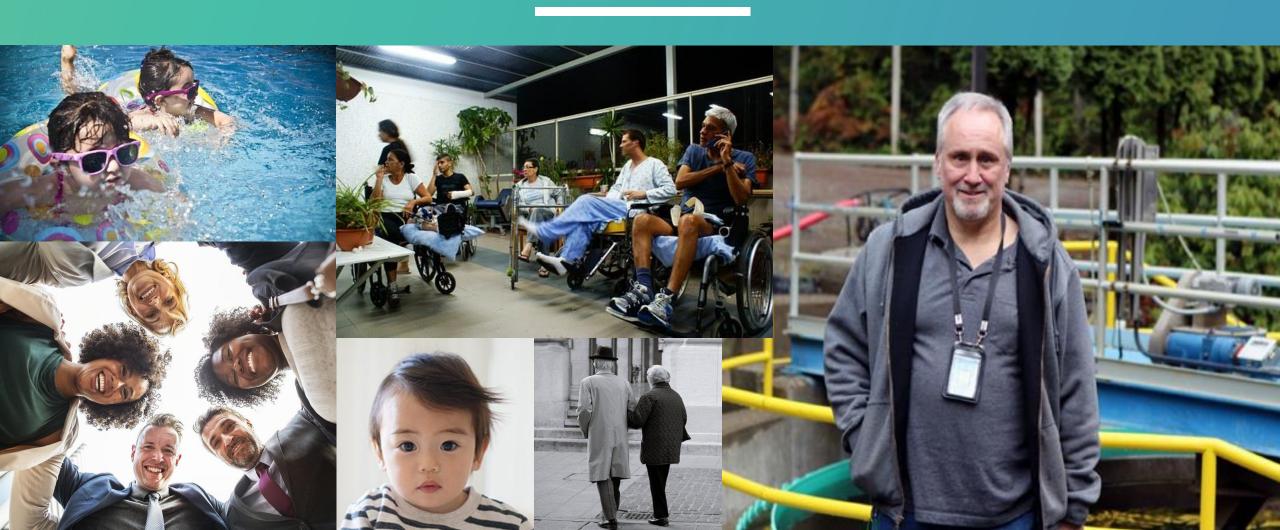
6. Result & next challenge

	2 nd week of Dec 2008	
Metrics	Target	Actual
Yield Rate	97%	95.0%
FPR	90%	90.2%

(1)Remaining Defects a) Scratches (2%) b) Missed crimp (1%)

c) Others (2) "Why" after current countermeasures a) Broken head - why?

Produce Great Results for Customers



Lean is a way of leading and working, built on respect and humility, that uses continuous improvement to produce great results for customers.

Take Action!





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