# Developing Lean Leaders at all Levels: A Practical Guide

Chapter 6 Figures

#### Lean Leadership Development Model

1 Commit to Self Development

Learn to live True North values through repeated Learning Cycles

4 Create Vision and Align Goals

Create True North vision and align goals vertically and horizontally TRUE NORTH VALUES

Challenge Kaizen Mind Go and See Teamwork Respect 2 Coach and Develop Others

> See and challenge true potential in others though selfdevelopment learning cycles

3 Support Daily Kaizen

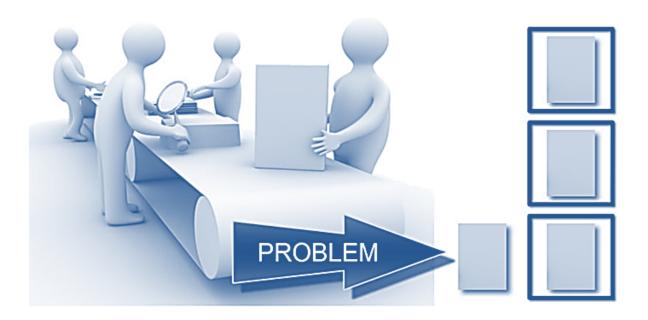
Build local capability throughout for daily Management & Kaizen



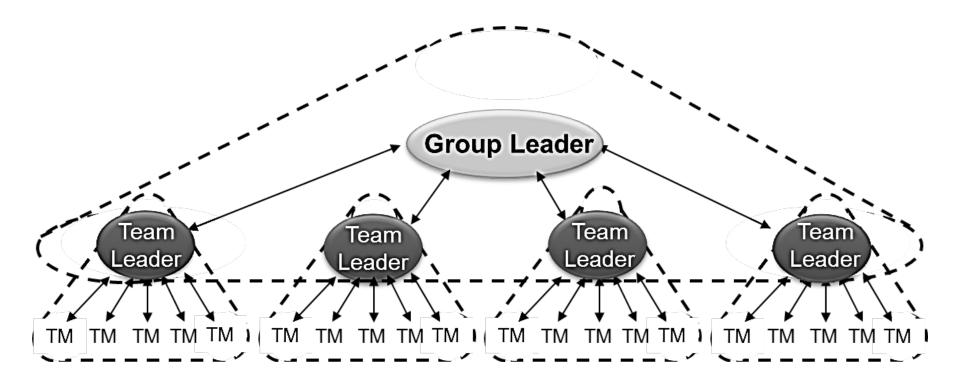
Figure 6-1. The Lean Leadership Development Model (The Diamond Model)

## Use visual control so no problems are hidden

Used in the work environment and tells us how work should be done and if there is a deviation from the standard.



**Figure 6-2.** An empty kanban square is a visual signal to authorize production and in this case there is overproduction of one unit



Source: Liker and Hoseus, Toyota Culture

Figure 6-3. The Linkage between the Group Leader, Team Leader and Team Members



Source: Toyota plant

Figure 6-4. The Continuous Improvement Board



**Figure 6-5.** Dana Truck Parts Plant – Axle Subassembly Delivered Without Containers (Minomi)



Figure 6-6. Automated Guided Vehicles bringing Axle Subassemblies with no Containers at Dana

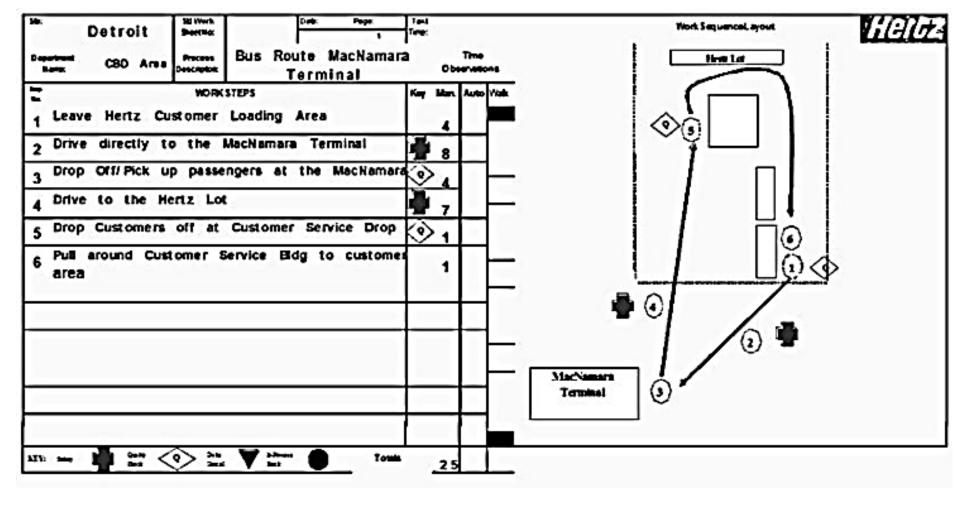


Figure 6-7. Hertz Bus Route Detroit McNamara Airport Terminal

WORK E	LEMENTSHEET						
	Daw.	Terrusor	State Varage				
Ara	Job.	WriterBy:					
IMPORTANT STEPS	Safety: Injury avoidance ergonomics, danger points  Quality: Defect avoidance check points, standards  Technique: Efficient movement special method  Cold: Properuse of materials	REASONS FOR KEY POINTS					
Step # 1	A. D						
त्र अक्षत्रकारकारकोरी इस नद्दा करूना देवना	1) Play "talking bus"	<ol> <li>Customer safety, destination, and luggage warning.</li> </ol>					
Leave Hertz Customer Loading Area	2) Check Mirrors	2) Watch for customers or traffi					
	3) Raise bus if lowered	3) Prevent mechanical problem					
	4) Open gate using opener	4) Prevent bus delay and damage					
Sep # 2	1) Obey traffic laws	1) Customer and Driver safety,	as well as other traffic.				
	2) Yellow light stop observance. Brake unless unsafe.	2) Michigan Traffic Law					
Drive directly to the MacNamara Terminal	3) Watch for merging traffic	3) Customer and Driver Safety.					
	4) Obey speed limit	4) Safety and Michigan Law.					
	5) Play "talking bus" as entering the terminal.	5) Give the customer vital information.					
Step# 3							
	1) Aid Passengers needing assistance	1) Customer relations					
Orop Off/Pick up Passengers at the Macnamara	2) Watch for proper luggage placement	2) Customer safety					
Terminal	3) Watch for approaching customers	3) Customer service					
	4) Close door and activate "talking bus"	4) Customer information					
Step# 4	1) Obey Traffic Laws.	Customer and Driver Safety a	se well as other traffic				
	2) Yellow light stop observance, Brake unless unsafe.	2) Michigan Traffic Law	s well as other danic.				
Orive to Hertz Lot	3) Watch for merging traffic	3) Customer and Driver Safety					
on to the East	4) Obey speed limit	4) Safety and Michigan Law.					
	5) Play "talking bus" as reaching Point 5	5) Give the customer vital information.					
	6) Watch for traffic pulling away	Safety of all concerned					
Rep# 6   <e></e>	of tenterior dame paining array	)					
	1) Visually inspect to ensure all luggage taken off	1) Customer does not forget so	mething.				
Prop customers off at Customer Service Drop Off	2) Watch for customer before closing door	2) Customer safety					
Vrea .	3) Watch for pedestrians and vehicles	3) Safety and Vehicle damage					
2272	4) Obey 10 mph Speed Limit	4) Hertz regulations					
Sep# 6	half of the second seco						
ACP # - V	1) Park in Desiganted Area if 2 buses are in loading area	1) Customer relations					
Pull around building to Customer Loading Area	2) Pull up to the Pick-Up Area as soon as it is open.	2) Customer safety					
the analysis of the control of the c	3) Lower bus (optional)	3) Customer service					
	4) Leave Bus running	4) Customer information					
		1					

Figure 6-8. Hertz Bus Route Work Element Sheet

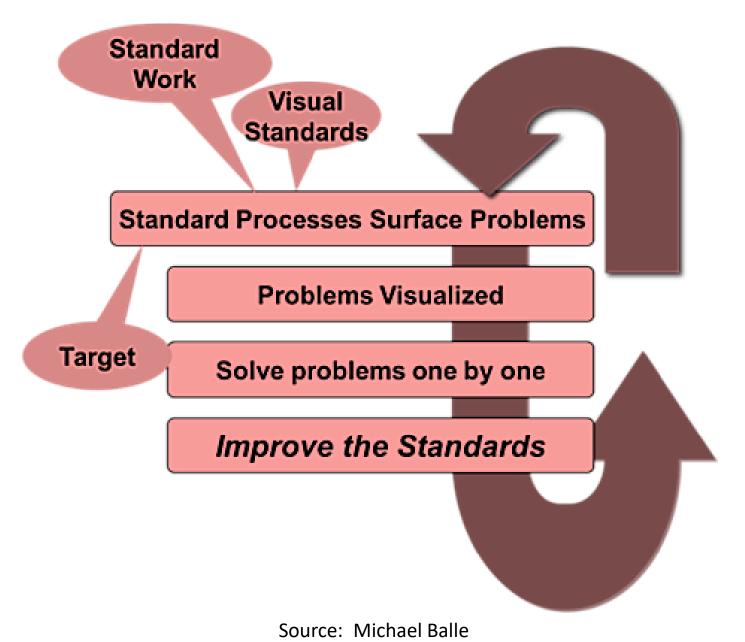


Figure 6-9. Lean Systems surface deviations from standard so we can solve problems one by one

#### **MULTI-FUNCTION WORKER TRAINING SHEET**

Name: Ron Coleman Section/Group: Process or Operation Name		(3)		and Dowel	Frame Clamp (2)	Prep/Inspect	Special	Busellato	Giben Panel Saw	Edgebander	Parts			REMARKS				
		op Saw	효											CAPABILITIES			Manpower Needs	
Date:	8/15/20		Chop		Glue	F.	ģ			Ō	ш				Jan	Jun	Dec	Performance Needs (Work Manner)
NUMBER	NAME	IDEAL NUMBER	4	6	6	6	6	6	6	6	4	4						
1.	Ron Colem	an (Supervisor)											$\oplus$	$\oplus$	10	10		
2.	Eddie Day	(Team Leader)						$\oplus$	$\oplus$	$\oplus$	$\oplus$	$\oplus$	$\oplus$	$\oplus$	3	4		
3.	Jeffe Goedo	e (Team Leader)				12-Jul	$\oplus$	$\oplus$		$\oplus$		$\oplus$	$\oplus$	$\oplus$	3	5		
4.	Bradley Al	/ey	$\oplus$	$\oplus$	$\oplus$	$\oplus$	•	•	3	$\oplus$	•	•	$\oplus$	$\oplus$	2	4		
5.	Tina Brook	s	9		9	<b>D</b>	•	•	<b>D</b>		•	$\oplus$	$\oplus$	$\oplus$	6	7		
6.	Clark Campbell		$\oplus$	$\oplus$	$\oplus$	9		•	7		$\oplus$		$\oplus$	$\oplus$	3	4		
7.	Willie Coleman		•	$\oplus$	$\oplus$	7	$\oplus$	$\oplus$		•	•	$\oplus$	$\oplus$	$\oplus$	1	4		
8.	Dennis Daniel		$\oplus$	T-Aug	$\oplus$	$\oplus$	3		4	25-Jul	•	•	<b>B</b>	<b>(H)</b>	1	2		
9.			$\oplus$	$\oplus$	$\oplus$	$\oplus$	$\oplus$	$\oplus$	$\oplus$	$\oplus$	$\oplus$	$\oplus$	$\oplus$	$\oplus$				
10.			$\oplus$	$\oplus$	$\oplus$	$\oplus$	$\oplus$	$\oplus$	$\oplus$	$\oplus$	$\oplus$	$\oplus$	$\oplus$	$\oplus$				
RESUI		inning of Year	3	3	3	1	3	3	2	3	5	3			•	= 100% Performance		
OF	M	ddle of Year	5	4	4	2	4	4	3	4	6	4			•	= 75% Performance		
TRAINI		nd of Year													4	= 50% Performance		
Remar	Remarks   Job Needs (Production Change)   Increase orders 10% for the year   = In Tr					Training <b>KEY</b>												

LEAN ASSOCIATES, INC.

Figure 6-10. Multi-Function Worker Training Sheet



Figure 6-11. Learning at the Gemba

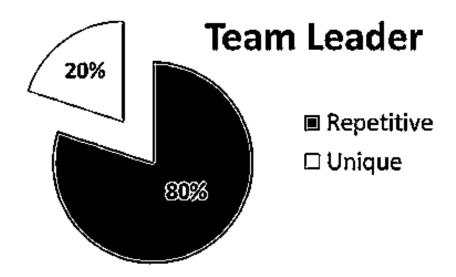


Figure 6-12. Theoretical Portions of Team Leader Work that are Unique and Repetitive

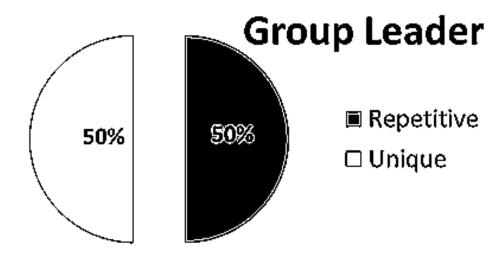


Figure 6-13. Theoretical Portions of Group Leader Work that are Unique and Repetitive

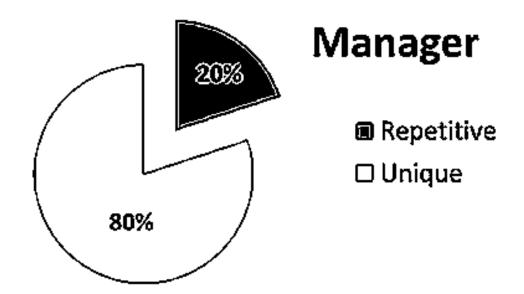
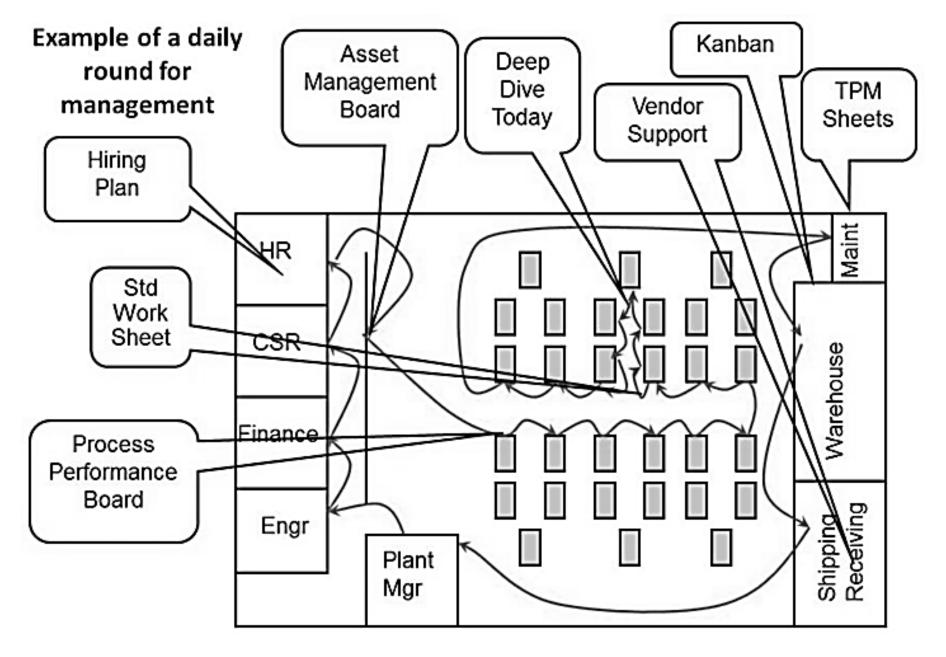


Figure 6-14. Theoretical Portions of Manager Work that are Unique and Repetitive



Source: Tony McNaughton, former Toyota Manager **Figure 6-15.** An example of a daily *gemba* walk of a plant manager



Figure 6-16. A factory setting where all of the pieces are in place

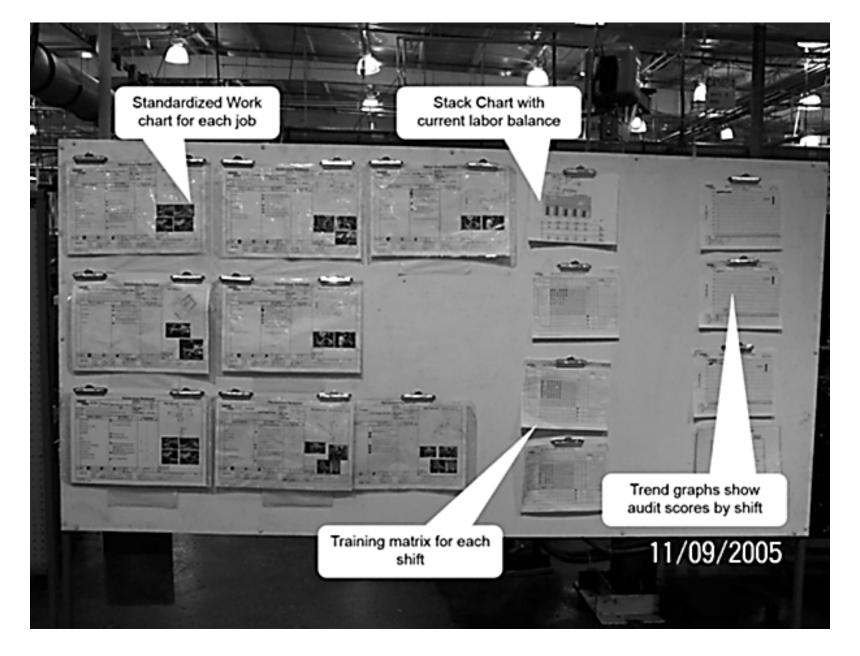


Figure 6-17. A Visual Standard Work Board

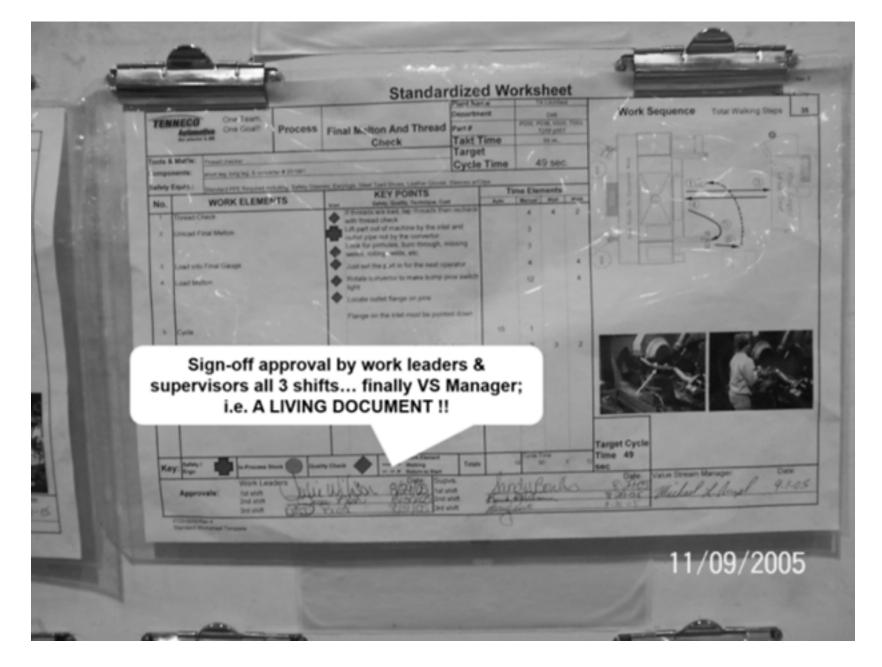


Figure 6-18. Standard Work Sheet

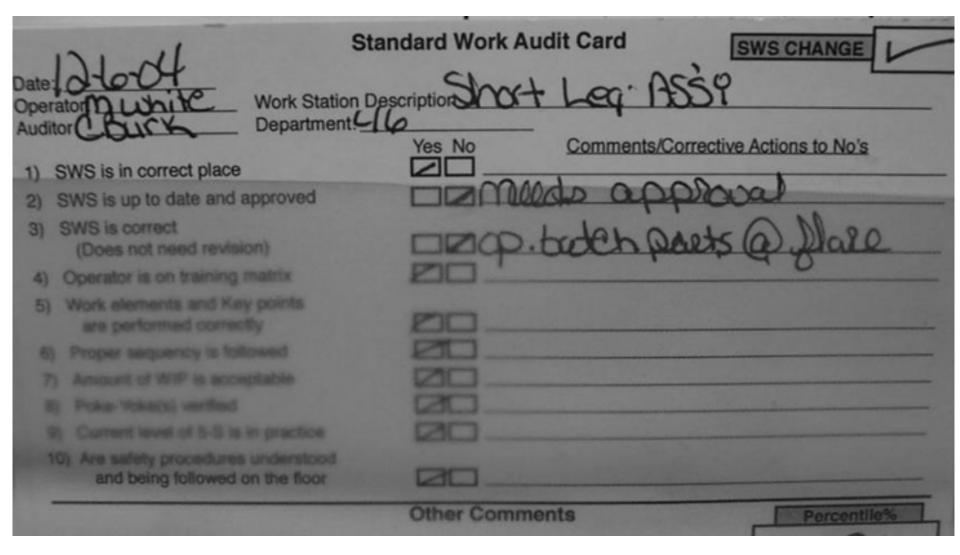


Figure 6-19. A Standard Work Audit Card

### Current state of Daily Kaizen in your company?

1=Critical Gap, 2=Major Gap, 3= Some serious Gaps, 4=minor Gaps, 5=We are there

- 1. First-line Supervisors and Team members are organized into work groups.
- Standardized work is present and updated regularly.
- Standardized work is the basis for employee training.
- Key Performance Indicators are visible to each work group with clear accountability for reaching challenging targets.
- Engineering projects are viewed as long-term kaizen activities supported by team members.