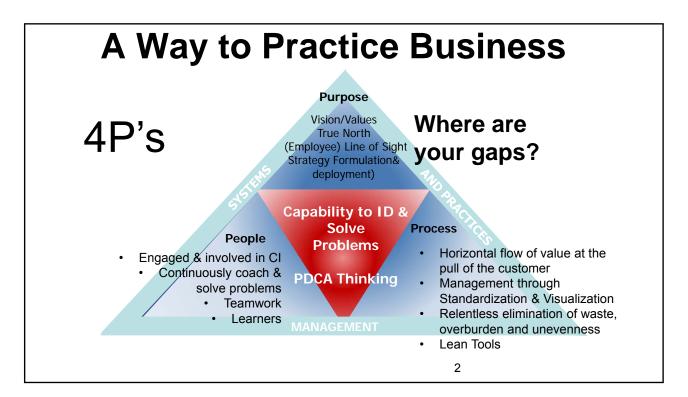
A3 Problem Solving

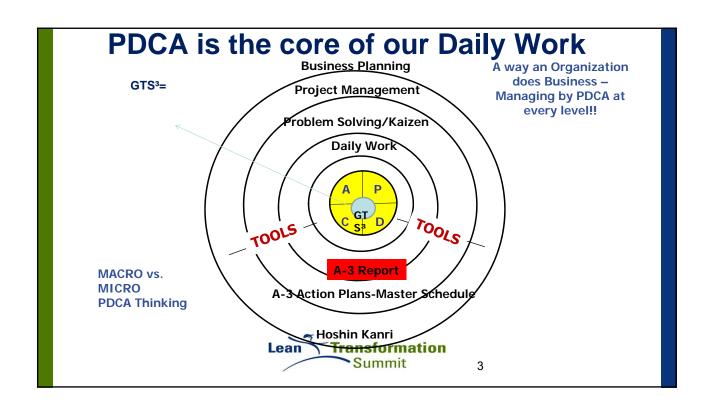
Tracey Richardson

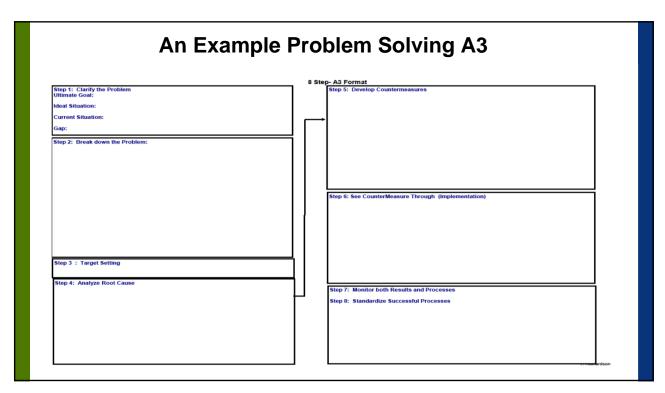
- How can A3 thinking (PDCA) assist in successful business/leadership/coaching practices?
- What role does standardization play in leadership/coaching practices/behaviors and A3 thinking?
- Role of a Coach with A3
- How to engage/coach people using an A3
- What is your Line of Sight? How do you link your daily work to the business indicators?
- · Daily actions of a coach using A3



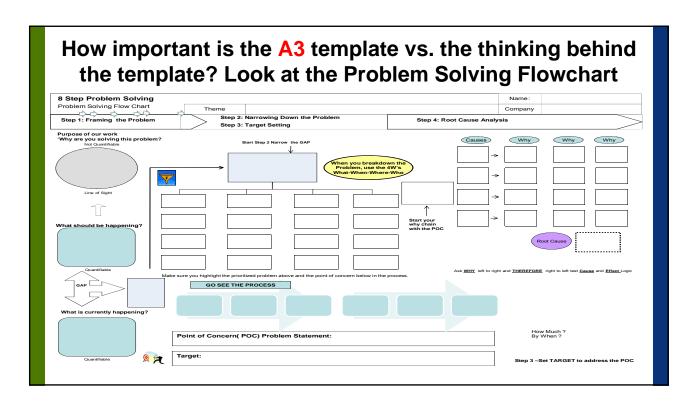












Step 5: Countermeasure Development strainstorm Potential Countermeasures: (A)							Step 6: Following the Countermeasures Through "How's is your implementation Plan going"?		
1.	A A						(Implementation steps from Step 9 Reporting Informing Consulting Systems		
2									
2									
1									
7.							1		
							1		
2.									
Step 5: Countermea:			nt				Step 7: Check the Process and Results		
Criteria Matrix (1-10 scale)-bad to good (B)						Step 7: Check the Process and Results			
Countermeasure (s)	Coar	Feasibility	Dischieness.	Dectrones Impact Risk Involved Total		Total	Old you meet the Target in Step 3?		
					-	1			
						-	If so did you contribute to the GAP? How much?		
		_	-				11		
	_				_	_	Did you look at the 3 viewpoints?		
		_	+	_		-	1) Customer: (Did I meet their need(s)?)		
						_			
	-	-		_		_	2) Your own: (Whatdid I learn?—Did I use a good PDCA process?)		
						1	3) The Company: (Did I meet the Purpose in Step 17)		
	$\overline{}$					-			
Step 5: Countermeasu	Ira Dave	lonmes							
				tt Chart	(C)		Step 8: Standardize and Share		
Step 5: Implementation Plan (Detailed Action Plan) Gantt Chart (C)						Was your problem solving activity a success?			
What		Wh	10	Where W		When			
							Did you standardized the new process or procedure?		
							If so how?		
							11		
	-				-		11		



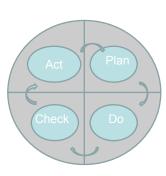
The "Thinking" behind the A3 Report

Act:

- 1. Evaluate overall success
- 2. Determine how much of the GAP was closed
- 3. Standardize and Share effective practices
- 4. Choose another problem to further close the GAP

Check Phase:

- Check effectiveness of countermeasures
- 2. Compare Plan vs. Actual
- 3. Evaluate Customer, Company, and your own viewpoint



Lean Transfor

Plan Phase:

- 1. Recognize abnormality
- 2. Understand Purpose
- 3. What is actually happening?
- 4. What should be happening?
- 5. What is the Gap
- 6. Breakdown the Problem, and prioritize
- 7. Go to the process and determine Point of Concern
- 8. Set Target
- 9. Cause Analysis and Root Cause
- 10. Determine Countermeasures and develop plan

Do Phase:

- 1. Ensure proper reporting, informing and consulting of the plan (status report)
- Monitor resolve potential issues with contingencies
- 3. Consensus Buy-in

When we start to coach an A3 we must ask the right ?'s

If we have the ability to surface problems or see abnormality then what do we do?

How do we think? What questions are we asking?

What is the current situation?

VS

What should be happening?





Where Does A3 Fit In?

- It's not just a "Tool" it's a visual manifestation of our thinking to share our wisdom with others.
- The A3 is only as good as the "dialogue" that creates it. (?'s asked at the gemba).
- The A3 is 5S of information- not everything I did in between.
- Understanding the importance of the "people side" of the A3 is more important than the actual tool itself. (Don't just fill in the boxes) Engage, Coach, Involve and Challenge your people at every level

 Transformation

Summit

9

How does A3 thinking assist with the **Continuous Improvement and Standardization** "Process" Purposely creating a problem: Raising the bar Foundation for development, mprove maintenance and improvement of the Standardization system by motivated employees **Overlooked** step between Improvement of standards and standard M and I ways to achieve better results **V**laintain Standardization Maintenance of standards and standard Achieve ways to achieve expected results Standardization Define the Standard Establish Achieve Or an individual role Predictability Repeatability Transformation If it isn't broke **Define Expected Results** break it !!



Coaching Points with A3/PDCA

- Begin from the business need (clearly defined business problem- KPI's- Q, S, P, C, HRTD)- <u>Purpose</u>
- 50% of a leader/coach's job is to develop their people (teacher at gemba (work area) asking questions about abnormalities)
- · GO SEE, Ask WHY, and Show Respect
- Focus on individual's role (servant leadership) throughout their career and develop their Problem Solving skills (PDCA)
- "Tell me and I will forget, show me and I might remember, involve me and I will understand"
- Confucius



11

Change Efforts to embed different "Tools" like A3 into our culture often fail because:

- The "What How Why" approach –we forget the WHY!!!
- Leaders/Coaches don't explain why they are introducing change and what is going to happen

As a Leader, always explain **WHY** change is needed and how you need their help!

 Leaders/Coaches try to impose new artifacts and behaviors on top of existing values and assumptions

As a Leader, you need to understand and **EXPOSE** key assumptions inside your organization before you attempt to introduce new ones





What Senior Leaders Have Heard:

- Lean, A3 among other "so called tools" are often considered a "Program" or "Flavor of the Month"
- Lean must be done in a <u>specific way</u> to be effective (benchmarking and best practices)
- Changing the "culture" making the tools like A3 a "way of thinking" – Long Journey
- That they don't have always to be involved to be successful
- If it works for them it can work for us in the same way



13

Let's Check Our Thinking

Assumptions → Thinking → Actions → Results

What are our <u>assumptions</u> within our daily work that affects our <u>thinking</u> and leads to a specific <u>action(s)</u> that creates a result

Is that result continual, repeatable, or sustainable? Are you getting lucky and attaining results by your assumptions? (Lack of data or facts)

How many assumptions do you make in a single day?





Let's see how Value-Added you are:

What is the ultimate goal of your work? (Personal Line of Sight?)

Understand what makes our jobs "value added to the company—does it relate to the company's goals and key performance indicators (Quality, Safety, Productivity and Cost)?



What are we looking for in coaches to promote A3/PDCA?

- What are the traits and skills needed today by employees in your locations? (Competencies)
- What are the attitudes and beliefs you want them to have about their work? (Values / Principles)
- What are the traits and skills they will need for the future? (Long term sustainability-growth)
- What will it take to engage them in the business and their own personal development? (Cues)





A3 Thinking at the Gemba

Coach/Engage people at every level by:

- Coaching them to see the value stream (where is the waste?)
- Empower people to help them improve their jobs
- Lean shouldn't mean <u>"Less Employees Are Needed"</u>
- Build people before product
- Giving them deep technical knowledge and profound knowledge of process through shared wisdom
- Pushing responsibility for value stream management and improvement to the lowest practical level of line management (using PDCA/A3)
- Creating frequent problem solving loops between coaches and process owners



17

Coaches engaging people in A3 Thinking

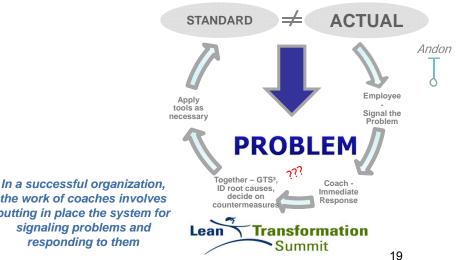
- Always start by walking a mile in their shoes. "What do <u>you</u> see here" Attempt to determine the other person's frame of reference
- Listen for main thoughts or ideas
- View the thoughts and ideas from the other person's perspective
- Paraphrase key points in your own words
- Ask questions. "Why do you think that is?"
- Show you are, (actually be) really interested and want to understand



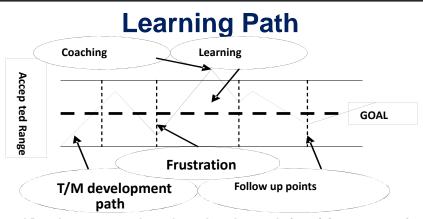


The Work of Leaders/Coaches in a PDCA / A3 Culture

Developing Systems & People to set Standards & Identify and Correct Out-of-Standard Conditions



the work of coaches involves putting in place the system for signaling problems and responding to them



Monitor, Coach and Develop team members through task completion giving a sense of accomplishment (growth):

- Determine an appropriate method to follow-up and coach as the team members follows their developmental path.
- Encourage team members to "Think" along the way by asking the right questions
- Coach team members when their path may go off target (Coach over-enthusiasm as well as frustration along

- Evaluate their "thinking" process and evaluate overall results
- Give feedback and recognize their growth
- Continue to develop through Go-See, engagement, and involvement



Comments – Questions Time

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Good Luck with your Lean Journey!!

Remember it's a journey not a race ©



