

LEA Webinar

Lean A3 Problem Solving

D.Brunt, D.Marriott, P.Watkins March 10th 2021

Webinar House Keeping

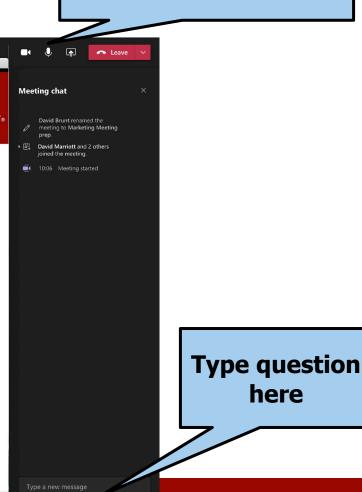


To ask a question click to open the chat

Please check you are muted

Webinar House Keeping

- Key Points:
 - Q & A 10 minutes in the middle and at the end.
 Please raise questions in the Teams Chat
 - Mute in Teams
 - We are recording
- Reminder of what we will send you
 - Exclusive access to recording of Webinar
 - PDF of Webinar Slides
 - Digital Copy of Purpose, Process & People
 - Teach Poster and talk script for use in your own organisation
 - Free Level 1 Course access



A, ! () () (F) (F) ...

LEA - Purpose & Approach

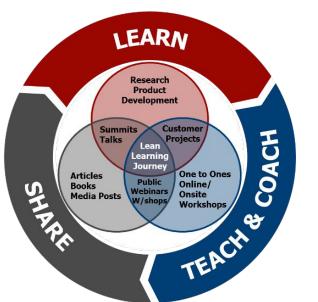


Our Purpose:

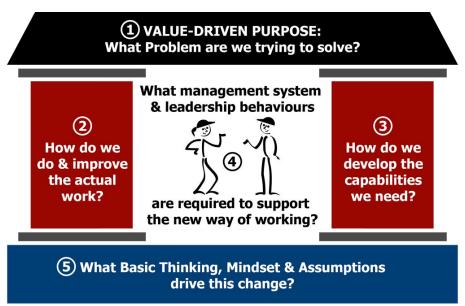
We are a not for profit organisation, established to help customers become self-reliant on their lean journey. Through research, products and services we provide better, faster and cheaper ways to learn and improve.

Our Approach:

SELF RELIANT CUSTOMERS

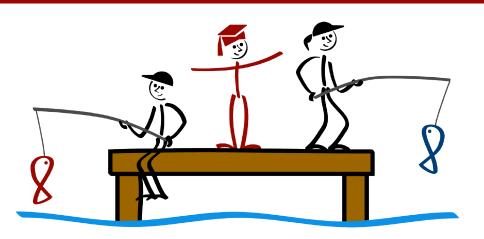


LEAN TRANSFORMATION FRAMEWORK



LEA - Learning Lean

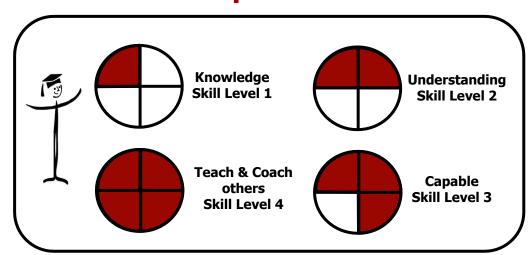




"Give a man a fish and you feed him for a day. **Teach** him how to fish and you feed him for a lifetime"

— Lao Tzu

Skill Development – 4 Levels



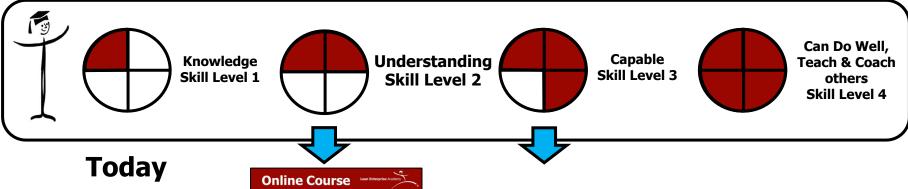
Online/On Site Support



What is your Lean Journey?



Lean Learning Journey — Skill Levels

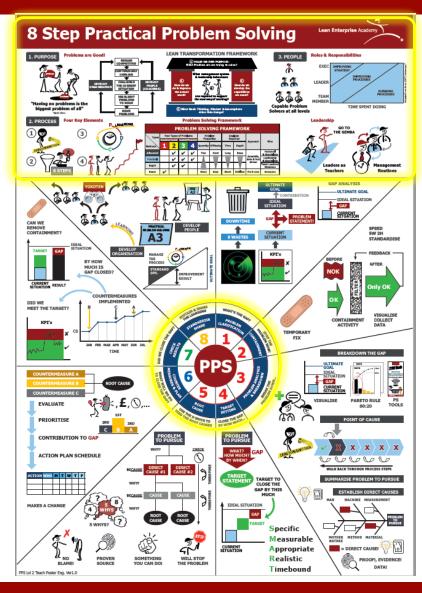


- Practical Problem Solving Level 1
- Practical Problem Solving Level 2
- You must practice.
- We Offer online Teaching and Coaching of A3
 Practical Problem Solving.
- Become capable of solving your own problems!

PPS Understanding Level 2 Online Course Available at www.leanuk.org/Lean Learning Journey

Problem Solving – Agenda

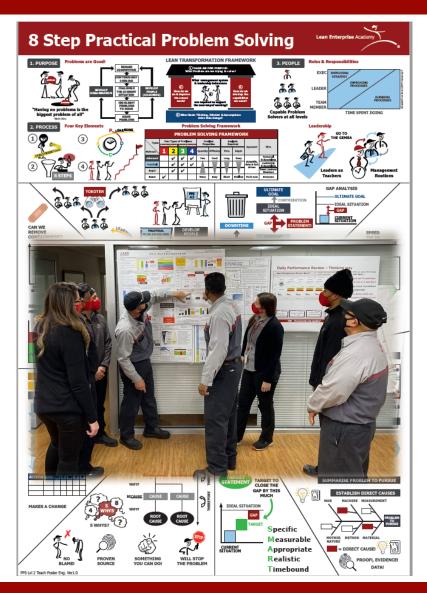




- Agenda
- Teach Poster Concept
- Introduction to Problem Solving
 - Purpose
 - Process
 - People
- Q&A
- Overview of the 8 Steps
- PPS A3's
- Understanding the 8 Steps Level 2
- Summary/Q & A

Teach Poster Concept





Why do we use a Poster?

- Can be taught by leaders in the workplace or online without the need for a training room.
- Structured in to defined areas making it easier to remember.
- Pictures are remembered easier than words & create more interest and discussion.
- A poster can be put up in your workspace for future reference, not hidden on a pc.

Problem Solving — Introduction

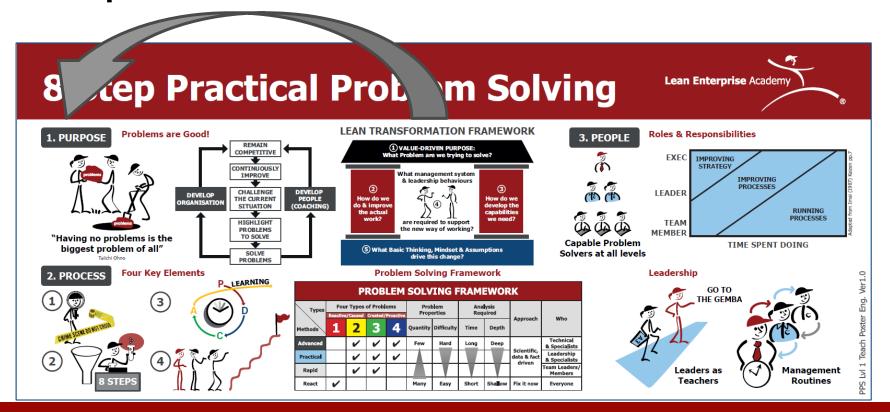


Work through:

- 1. Purpose
- 2. Process
- 3. People

Starting Point:

Lean Transformation Framework



Lean Transformation Framework



Problem Solving is the #1 Lean Skill!

1 VALUE-DRIVEN PURPOSE: What Problem are we trying to solve?

2
How do we do & improve the actual work?

What management system & leadership behaviours



How do we develop the capabilities we need?

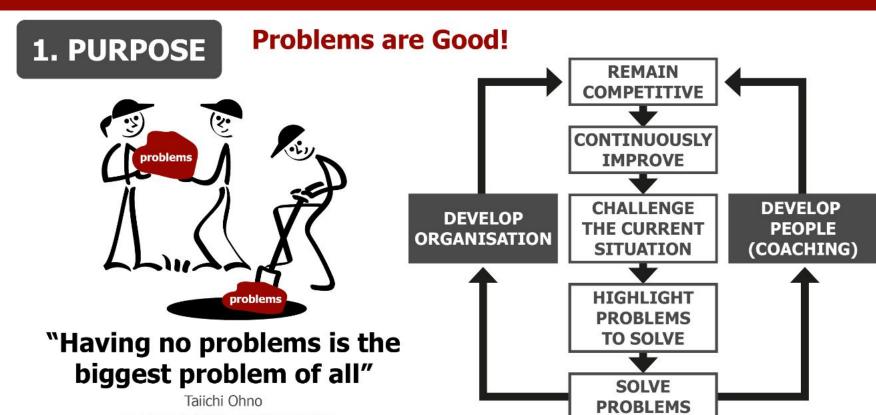
(3)

- (5) What Basic Thinking, Mindset & Assumptions drive this change?
- Go to <u>www.leanuk.org/what-is-lean/working-with-us</u>

to see the full LTF video explanation

1.0 Purpose

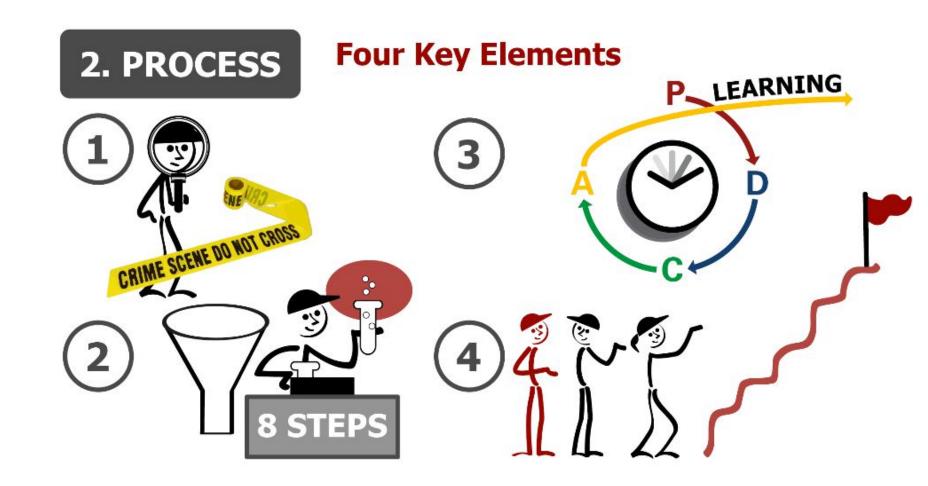




Supports People and Business Development

2.0 Process





2.0 Process



PROBLEM SOLVING FRAMEWORK										
Types Methods	Four Types of Problems				Problem		Analysis			
	Reactive	/Caused	Created/Proactive		Properties		Required		Approach	Who
	1	2	3	4	Quantity	Difficulty	Time	Depth	Approach	***************************************
Advanced		/	✓	/	Few	Hard	Long	Deep	Colombific	Technical & Specialists
Practical		✓	✓	/					Scientific, data & fact driven	Leadership & Specialists
Rapid		/	✓							Team Leaders/ Members
React	/				Many	Easy	Short	Shallow	Fix it now	Everyone

3.0 People



3. PEOPLE

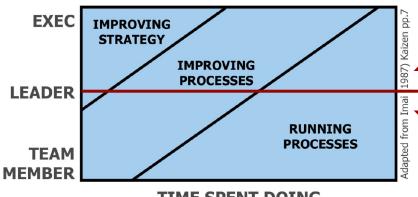
Roles & Responsibilities







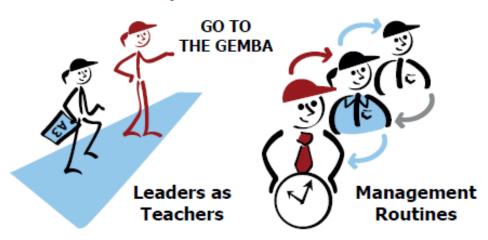
Capable Problem Solvers at all levels



TIME SPENT DOING

What is your **Time Spent** Doing?

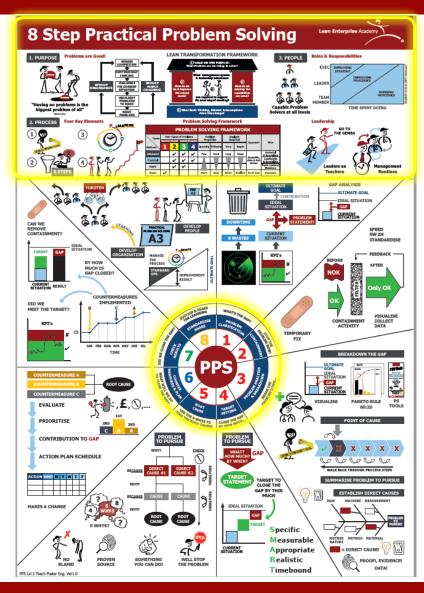
Leadership





Problem Solving – Agenda





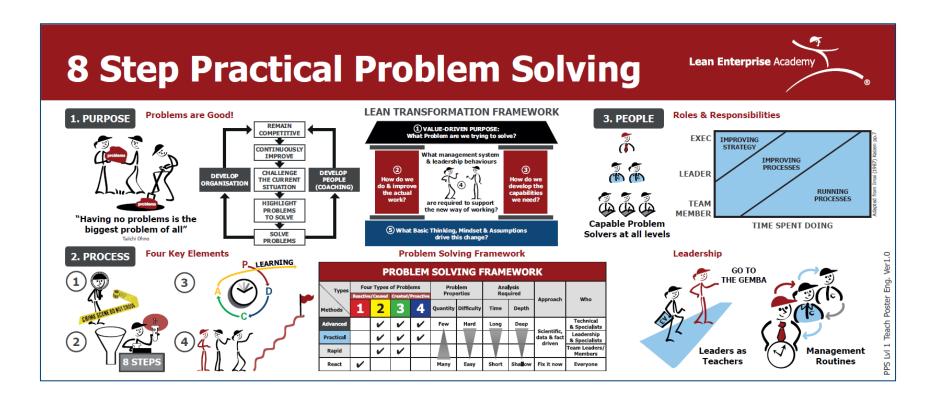
Agenda

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- Q&A
- Overview of the 8 Steps
- Q&A
- PPS A3's
- Understanding the 8 Steps Level 2
- Summary/Q & A

Questions?

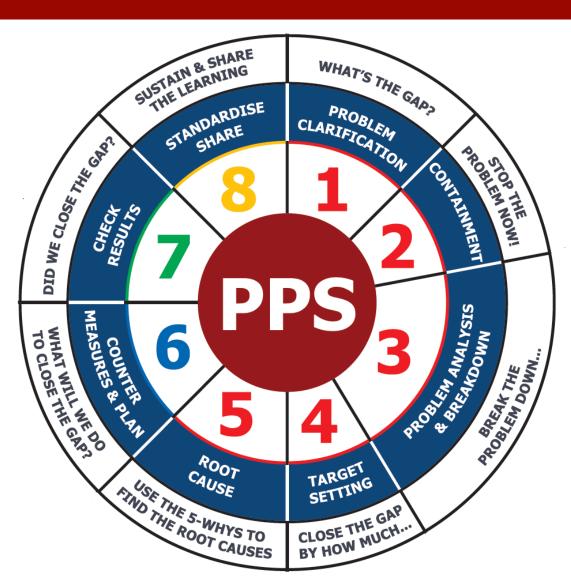


What Questions Do You Have?



Overview of the 8 Steps







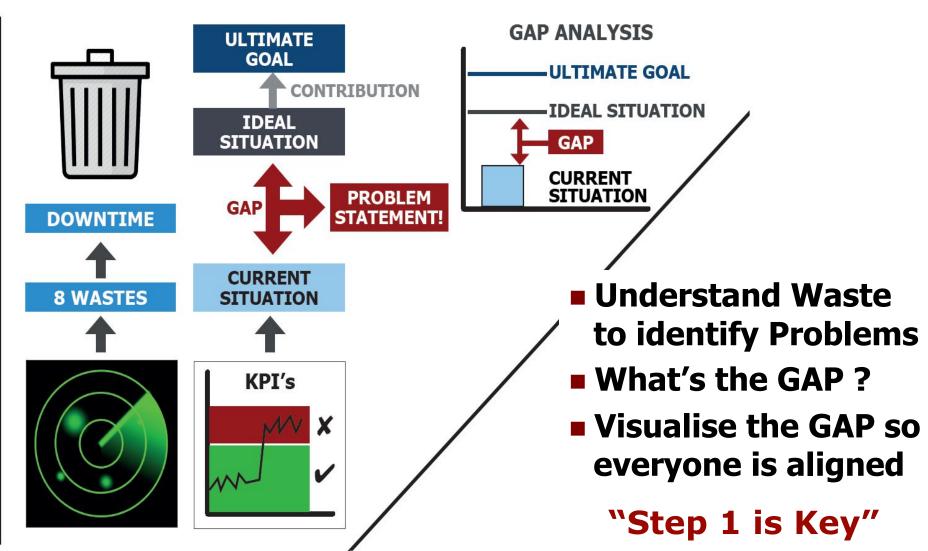
Follows PDCA Thinking

Time spent Planning before Doing anything....



Step 1 – Problem Clarification

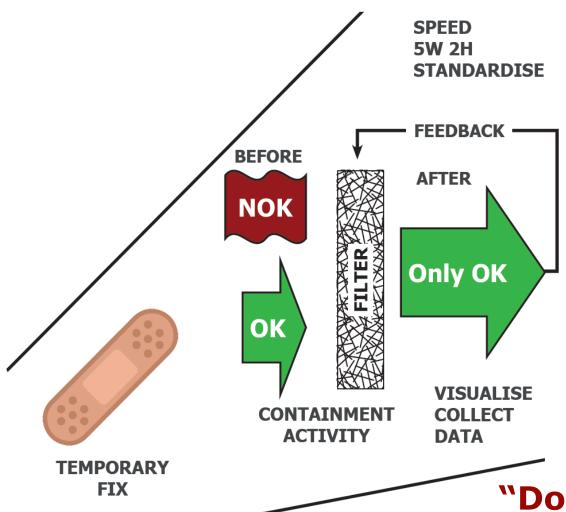






Step 2 – Containment





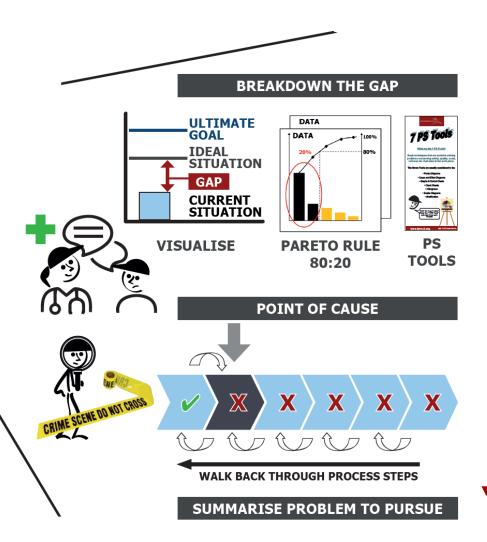
- Stop the bleeding
- Protect the customer
- Understand the problem better

"Don't stop after Step 2 Containment"



Step 3 – Problem Analysis & Breakdown





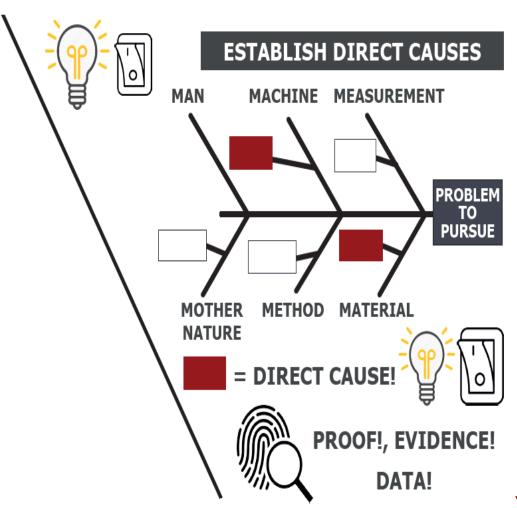
- Start with GAP from step 1
- Breakdown the large vague problem with data
- Prioritise the biggest contributing causes
- Go Study for yourself
- Problem to Pursue -What, When, Where,

"Define the Problem to Pursue"



Step 3 – Problem Analysis & Breakdown





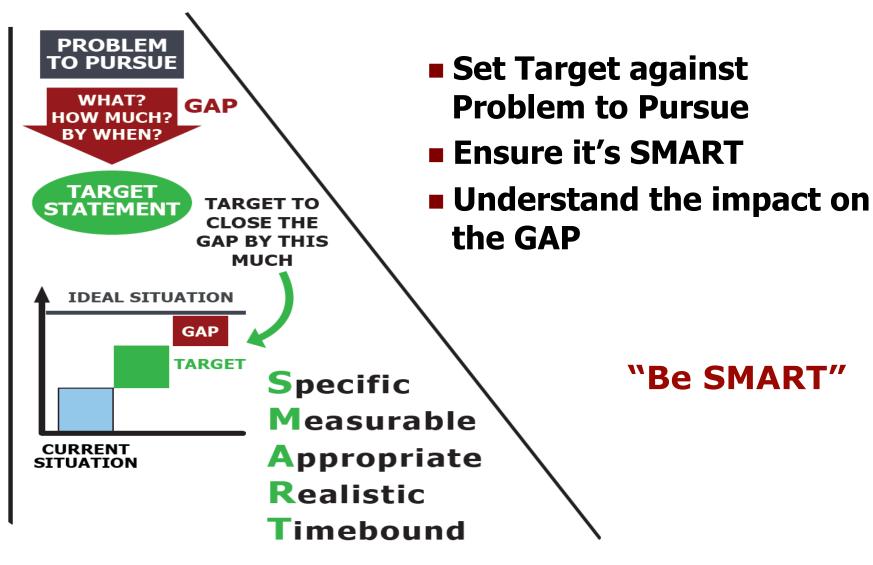
- Establish DirectCauses of Problem toPursue
- Can use Fishbone diagram as brainstorm framework
- Must Prove with Data

"Prove Cause & Effect"



Step 4 – Target Setting

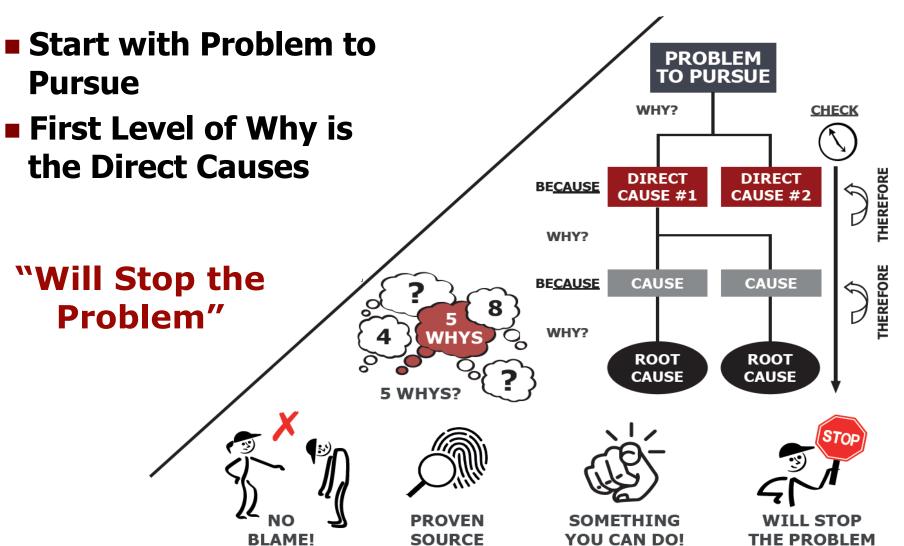






Step 5 - Root Cause

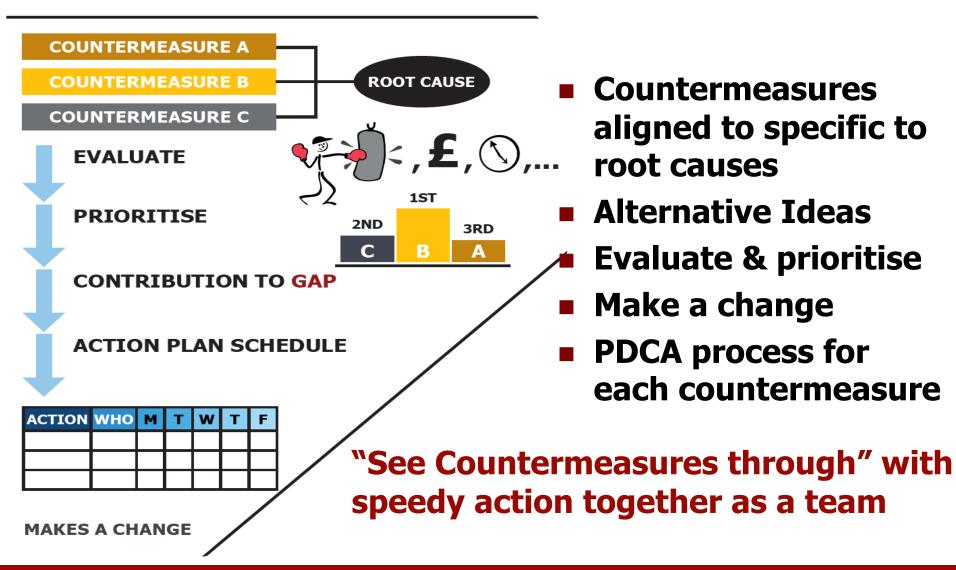






Step 6 – Countermeasures & Plan

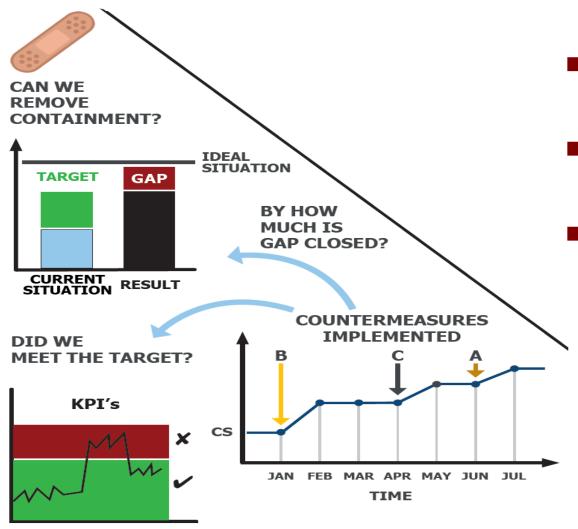






Step 7 – Check Results





- Did we meet the Target?
- By how did we close the GAP?
- What else do we need to do?

"Can we remove Containment?"



Step 8 – Standardise & Share

YOKOTEN



Update Standards to sustain the results

Yokoten - Share out the Learning

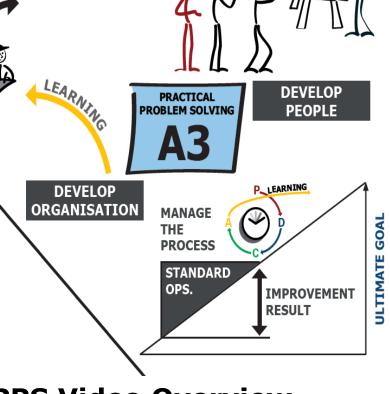
Summarise thinking using an A3

Online Course

Overview
8 Step
PPS
Video

Lean Learning
Journey

"Develop People & Develop the Organisation"

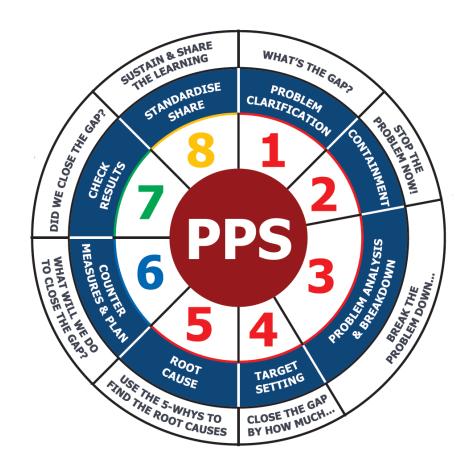


More Detailed PPS Video Overview Available at www.leanuk.org/Lean_Learning

Questions?



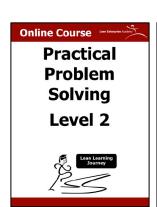
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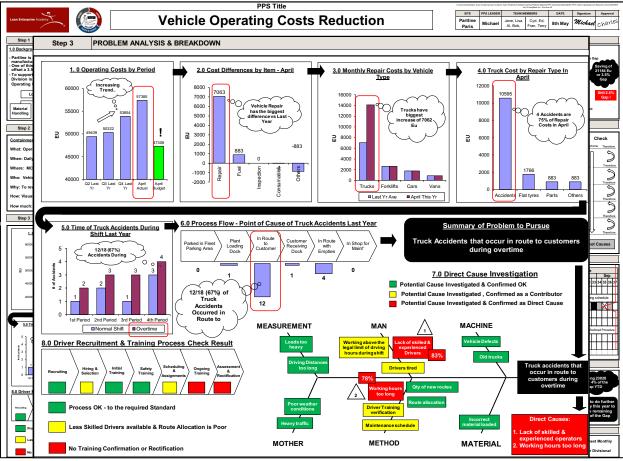


PPS A3 – 8 Steps



- PPS A3 is how we summarise the problem solving journey.
 - All 8 Steps are completed.

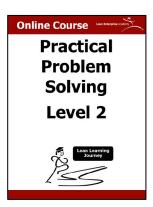


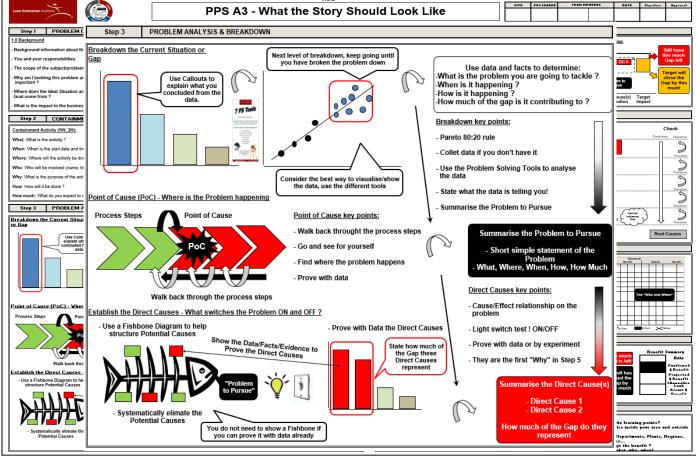


PPS A3 — What Good Looks Like



- PPS A3 What the Story Should Look like .
- Visual guidance on creating an A3 PPS Story.

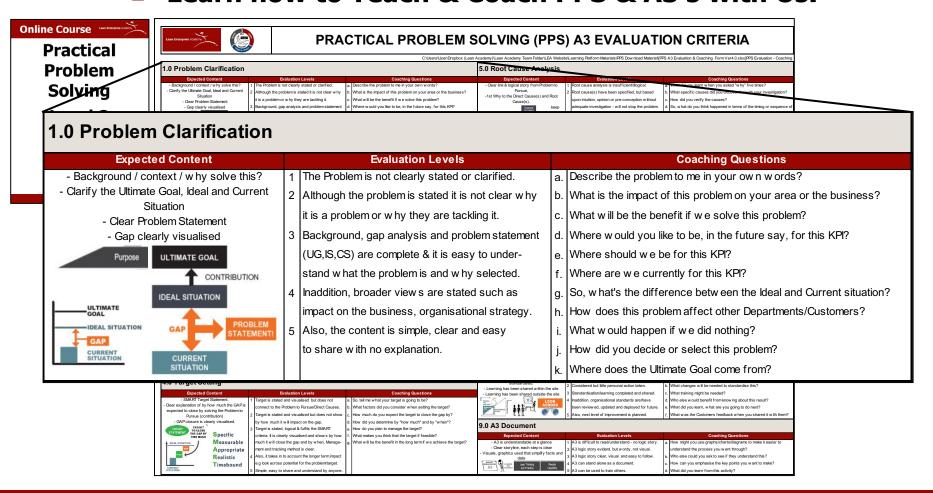




PPS A3 — Evaluation Method

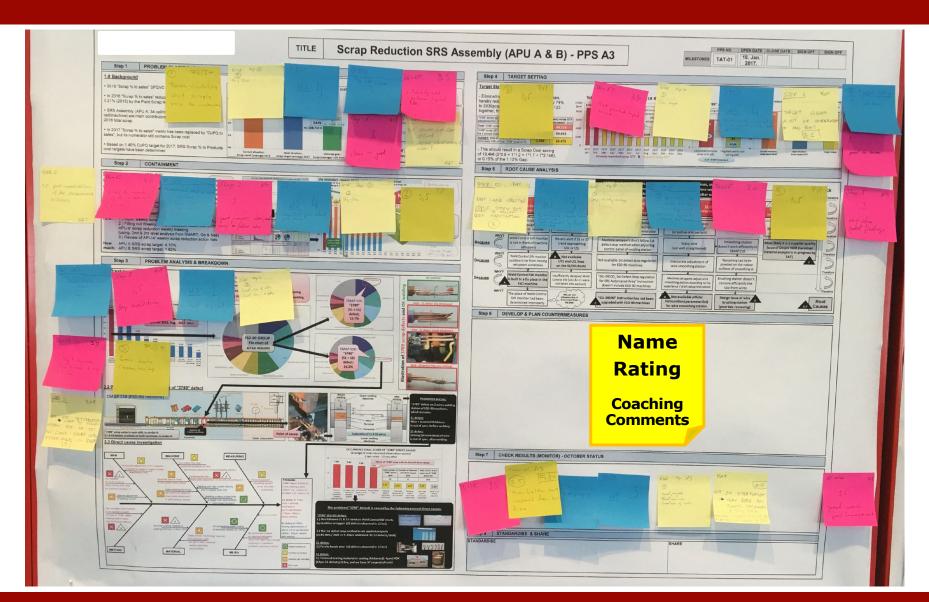


- Evaluation Method for PPS A3's.
- Learn how to Teach & Coach PPS & A3's with Us!



PPS A3 – Evaluation Onsite





PPS A3 – Evaluation Online



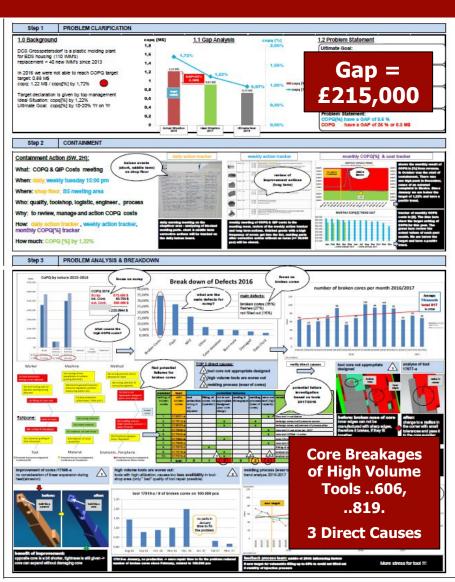
	Lean Enterprise Academy		PPS A3 Coaching Session Ratings and Progress Summary										
Dele	Review Sessio	ns	#1		#2		#3	#4	#5				
egat	Dates		17/12/19		19/01/20		18/02/20	24/03/20	20/04/20				
#	Delegate Name	PPS	PPS STEPS		PPS STEPS A 3	æŝ	PPS STEPS	PPS STEPS A	PPS STEPS				
	PPS Title	Ratings	1 2 3 4 5 6 7 8	A Average	1 2 3 4 5 6 7 8	Average	1 2 3 4 5 6 7 8 A 14 A	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8 A				
#1	David Marriott	Plan	3.0 3.0 3.0	3.0 3.0	3.0 3.0 3.0	3.0	3.0 3.0 3.0 3.0 3.0 3.0 3.0	3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0				
	Vehicle Operating Costs	Actual	1.8 2.4 1.7	2.0 1.9	9 2.9 2.4	2.7	3.1 3.0 2.9 2.7 2.5 2.8 2.8	3.5 3.0 3.1 3.0 2.9 3.0 2.5 2.5 3.0 2.9	3.5 3.0 3.1 3.2 3.0 3.0 2.9 3.0 3.3 3.1				
		In Review		out Steps a	3.0 or above to demonstrate cap are not expected to be evaluated		n the application of the PPS A3 proce	ss to solve a problem.					

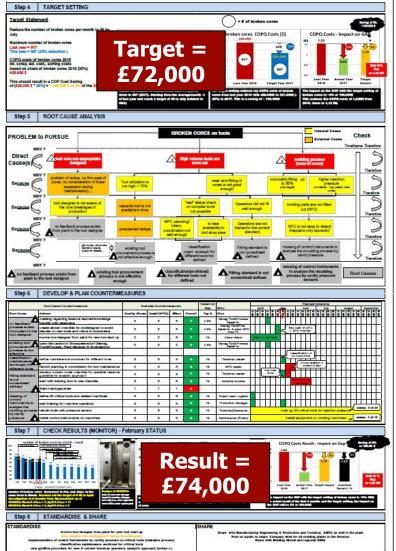
Lean Enterprise Academy 8			PPS A3 - Coaching Sessions Feedback and Ratings								
19	Coach	Names		David Brunt	Peter Watkins						
17/12/19	PPS Step	Average	Ratin g	Coaching Comments	Ratin g	Coaching Comments					
12	1	1.8	2	Background too wordy. No dates on Gap Analysis grpah. Gap not stated.	1.5	Make background clearer with bullet points instead of paragraph.					
	2	2.4	2.5	When did Containment start?	2.2	What has been the impact and learning from Containment.					
#1	3	1.7	1.5	Needs further investigation.	1.8	Still need to define the Problem to Pursue.					
5											
essi											
Š											
Review Session #1											
2											
	А3	2.1	2	Not very visual, lots of words and difficult to read.	2.2	Visuls better, need to wok on flow and logic story.					
0.	Coach	Names		David Brunt	Peter Watkins						
19/01/20	PPS Step	Average	Ratin g	Coaching Comments	Ratin g	Coaching Comments					
15	1	2.9	3	Make background clearer with bullet points instead of paragraph.	2.8	Background too wordy. No dates on Gap Analysis grpah. Gap not stated.					
	2	2.9	2.8	What has been the impact and learning from Containment.	3	When did Containment start?					
#2	3	2.4	2.5	Still need to define the Problem to Pursue.	2.3	Needs further investigation.					
essi											
Review Session											
vie											
å											
	A3	2.6	2.5	Visuls better, need to wok on flow and logic story.	2.7	Not very visual, lots of words and difficult to read.					

- Delegate Ratings and Comments are Captured during Online Reviews and Feedback Sessions.
- Scores are rolled up in to a Progress Summary.
- Evolution of their Capability
 Development is Captured.

PPS A3 – Typical Outcome







The Elephant in the Room!



How do you get individuals or organisation's to learn this well?

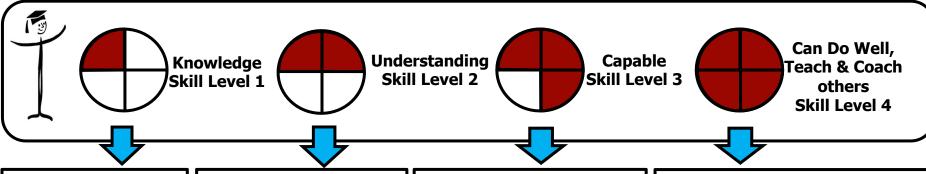


Better, Faster & Cheaper



Lean Learning Journey for PPS A3





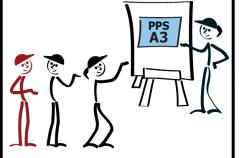


2 hrs
Online Self-Paced

Learn PPS A3
Purpose, Process
& People basics



8 - 12 hrs
Online Self-Paced
or face to face
Learn PPS A3 8
Steps through
Teach Poster &
Case Study Practise



6 - 18 weeks Online or face to face

Coached, evaluated & report out on a real Business Problem using PPS A3 method



6 - 12 months Face to face or online

Completed multiple A3's Learn Basic Coaching Skills Successfully developed two others in PPS A3

Skill Levels 1 – 4 Remote Coaching A3 8 Step Problem Solving



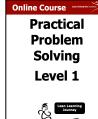
Plan

Teach Sessions

Short burst Learning



Online Homework

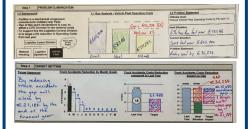




Do

Confirm Learning

Leaders Complete Homework



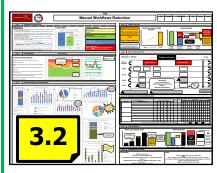
Debrief with **Answers**



Check

Develop Capability

Coaching on your Actual Problem



Review & Evaluate Online Together

Act

Teach & Coach Others

Learn how to Teach & Coach Others







Become Self Reliant

Capable – Level 3







 Easy to jump to conclusions on the cause of an issue, this way allows us to focus our efforts in the right place

Key Learnings:

- Working as a team and cross teams support is necessary
- Can be a challenge to change the "blaming" etc, but good results happen when we manage it

Benefits:

- Allowed a mindset change from "having a moan" to "how can we work to find solutions"
- Empowered teams to see they can implement improvements
- Reduction of error rate from 9% to less then 1% which relieves frustrations & time in the process

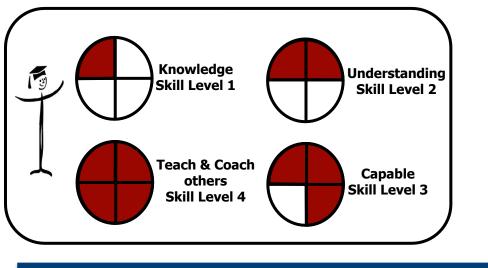
Summary



Our Purpose:

We are a not for profit organisation, established to help customers become self-reliant on their lean journey. Through research, products and services we provide better, faster and cheaper ways to learn and improve.

Our Approach:



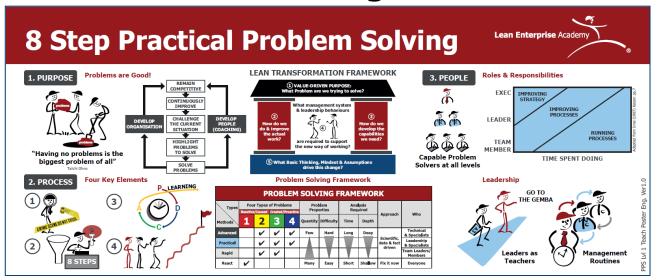


Develop capability to teach others – cascade the learning

Summary



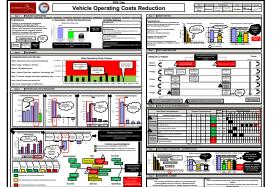
Introduction to Problem Solving



8 Steps Overview



PPS A3 and Evaluation Method



What Questions Do You Have?

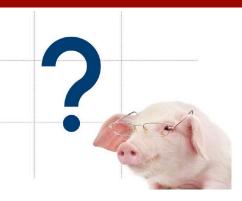


Our Next Webinar Topic:

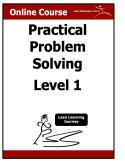
Lean Standardised Work

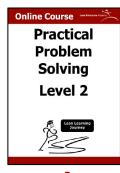
28th April 3:30pm UK time

Visit: www.leanuk.org/Events

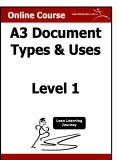


Our Online Courses:









www.leanuk.org/lean-learning

Books on Problem Solving:







www.leanuk.org/shop

Did you know?

We Offer Online Teaching & Coaching

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