

## Creating Lean in Sales & Service

Lean Transformation Summit, Orlando

> David Brunt March 5<sup>th</sup> 6<sup>th</sup> 2008



## **Objectives**

- To introduce a practical & systematic way to apply lean principles to sales & service
- To structure some of the issues into a a step-by-step method









## Lean Thinking

- Lean starts with value from the perspective of the customer
- Delivers value through end to end processes (Value Streams) that no one sees
- The aim is to get all the actions that add value to flow at the pull of customer demand
- Building in quality and standardising work
- As no one sees these processes, no one manages them
- Performance delivered by a management system that at its heart is characterised by two principles
  - Respect for people and the engagement of everyone in continuous improvement

#### Purpose, Process, People



## Lean Principle # 1

- Specify value from the standpoint of the customer
  - > Who is/are the consumer(s)?
  - > Who is/are the customer(s)?
  - > What is Value?
  - > Who decides what is value?

Aim to develop a commonly agreed 'value' specification



#### Exercise #1

- As a customer how would you express value for the following:
  - What do you want when you buy a car? (5 minutes)
  - What do you want when you take it to be serviced? (5 minutes)



## Value in the Eyes of the Consumer:

### Acquisition

- "The right car in the right place at the right tine"
- At the right \( \)

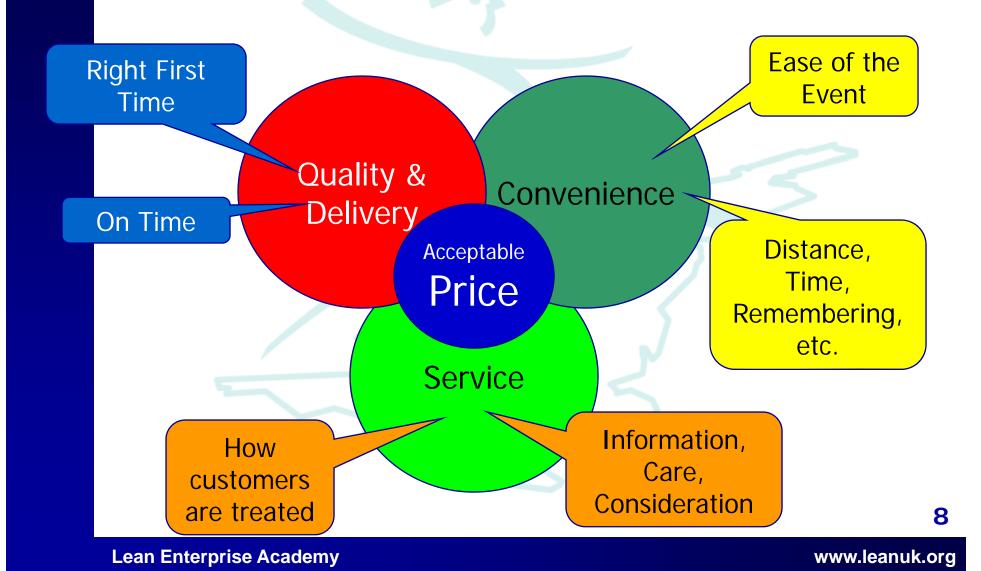
#### Maintenance

- "Fixed right first time on time"
- t the right price





# Value: Extending the Concept





## The Kano Model

**Absent** 

But today's 'delighter's' become tomorrow's

'basics'!!

- Human, personal, value-adding
  - -Different aspects each time
  - –Not a replicable 'formula-solution'
- The basis of real relationships!

**Delight** 

Degrees of Customer Satisfaction

**Neutral** 

"delighter"

"performance"

"basic"

**Dissatisfaction** 

Attribute

Present o



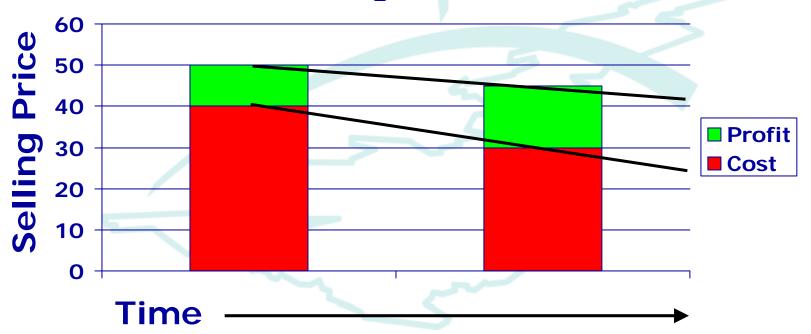
## **Customer Fulfilment**

	New Car Sales
Right	<ul> <li>Car provided to the exact specification ordered, without defects</li> <li>Correctly prepared including accessory fitment</li> <li>Cleaned to the satisfaction of the salesperson &amp; the customer</li> </ul>
First Time	Car needs no rework prior to or after the handover
On Time	Handover at the time originally promised at the time of the order
	After Sales
Right	<ul> <li>All service &amp; repairs completed, with all the necessary parts available</li> <li>Car cleaned to the satisfaction of the customer</li> </ul>
First Time	Car does not need to return for rectification or rework
On Time	Handback at the time originally promised



#### What About Cost?

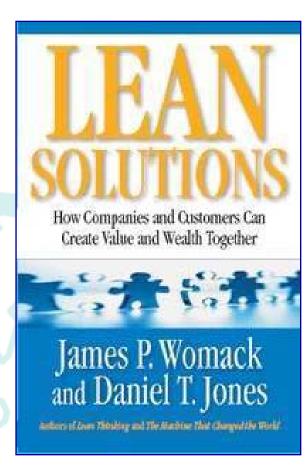
- From "Selling Price = Cost + Profit"
- To "Selling Price (fixed) Cost = Profit"
- Establish a "Target Cost"





# Principles of Lean Consumption

- Solve the consumers problem completely
- Don't waste the consumer's (or the provider's) time
- Provide exactly what the customer wants
- Deliver it where it is wanted
- Supply it when it is wanted
- Continually aggregate
   solutions to reduce the
   consumers time and hassle



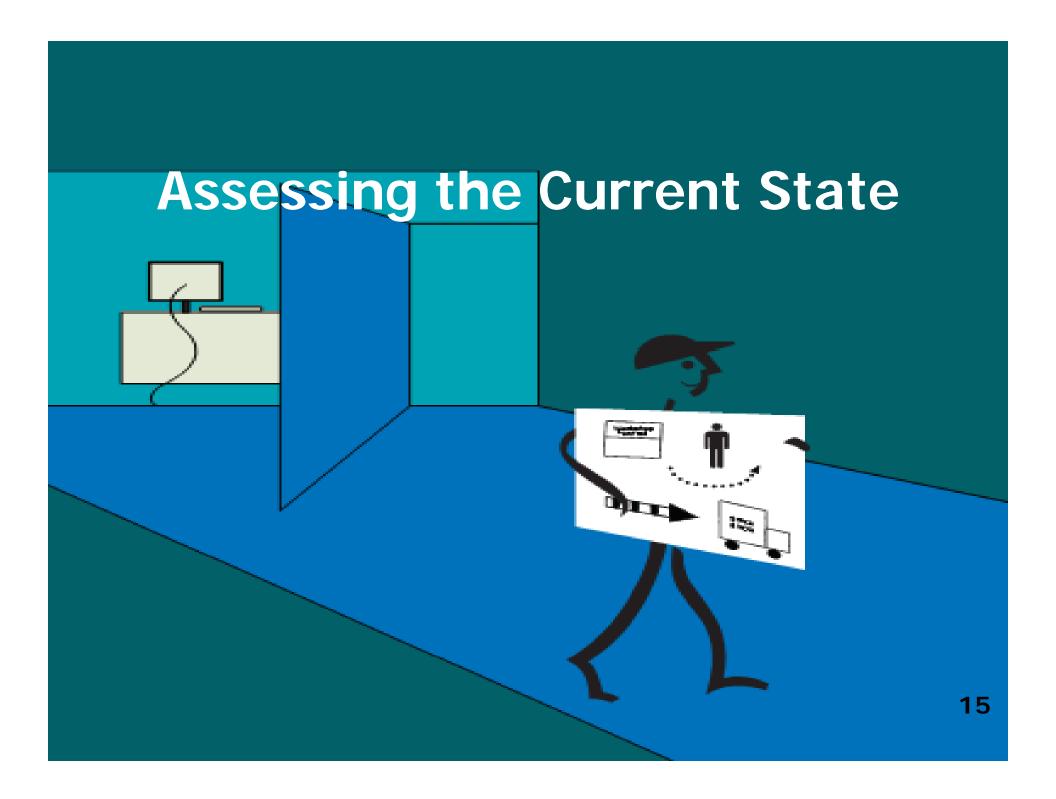


# Introduction to Seeing Consumption as a Process

- Problems are hard to see & solutions are hard to imagine without a way for consumers & providers to see the current situation
- When doing lean transformations the first thing we do is....

.....take a walk

Car Repair Before Lean Processes Day 3 Day 4 Day 5 Day 1 Day 2 50 min. 45 min. 25 min. 5 min. 10 min. 5 min. 10 min. 45 min. 50 min. 2.Book 3. 10.Book 11. 15. 6. Auth-14. Search Drive Repair orise Drive Drive Drive Repair Authfor to to faco facto orise repaire facility ility facility ility 4. 8.Queue 12. 16.Queu Queue & pay Queue, e & pay discuss discuss probproblem lem 9.Drive 17.Drive 13. home home Drive Drive away away 20 min. 15 min. 5 min. 15 min. 38 min. 86 min. 20 min. 10 min. 5 min. 15 min. 15 min. 38 min. 86 min. 10 min. 18.Rese 25. Call cust-omer 14.Valet 21. Ferry 30.Valet 31. 2.Res-erve parts 3. Rec-eive car 9. Call cust-17.An-19. Rec-eive 1.An-15. .Invoice swer call car swer car rve parts car car omer 32.Hand over 16.Hand over car 26 Inform tech 22.Ins-pect car 6. Ins-20. Work order 4. Work order pect 27. Get parts å do work 11. Get parts & do work 23.Go to parts 7.Go to parts 28. Road test 12. Road test 24.Est-imate 8.Est-imate 29. Time 13. Time iob Provider Box Score Consumer Value Creating time: 7% 17 min 73 min. 19.3% Necessary Non Value 142 min 58% 31 min. 8.2% Creating Time □ Waste 86 min 35% 72.5% 274 min. Total time: 245 min. 378 min.



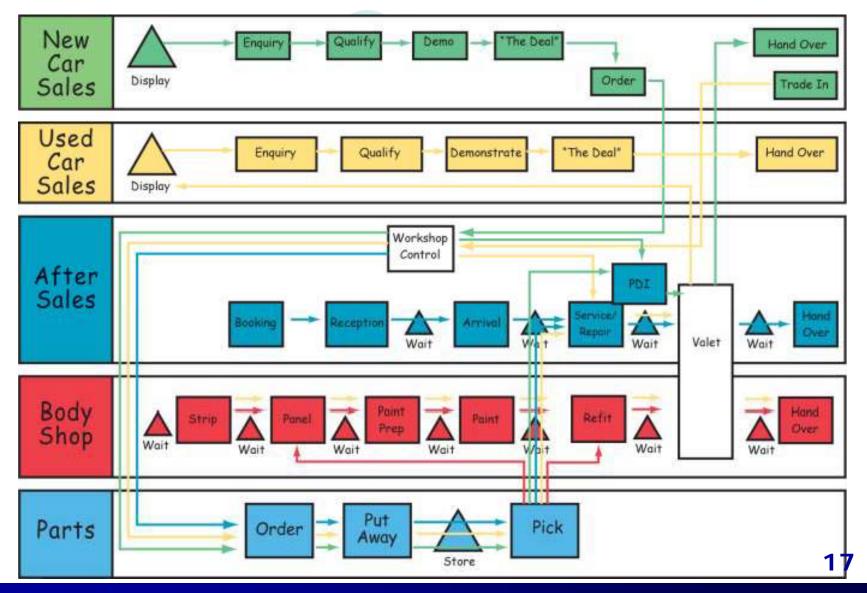


#### Exercise #2

■ From the customer's perspective what are the value streams in the car dealer? (10 minutes)

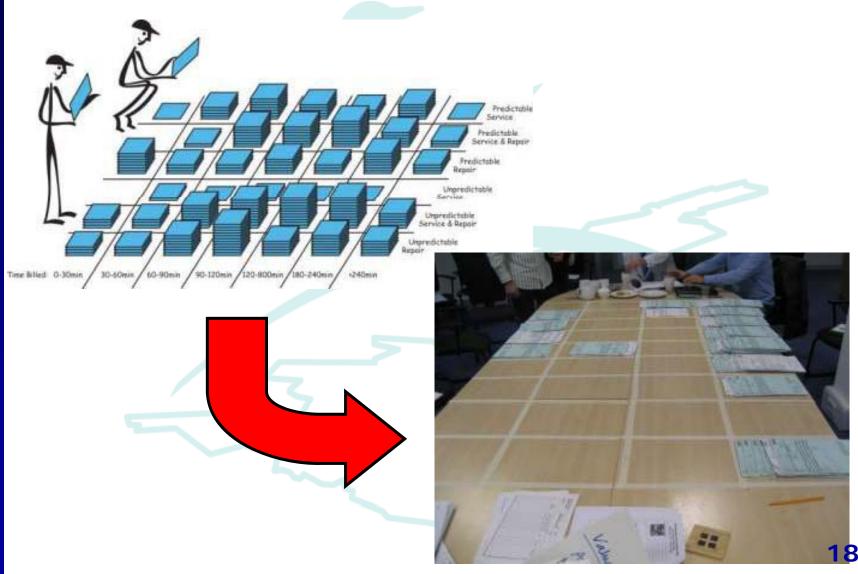


#### What are the Value Streams?



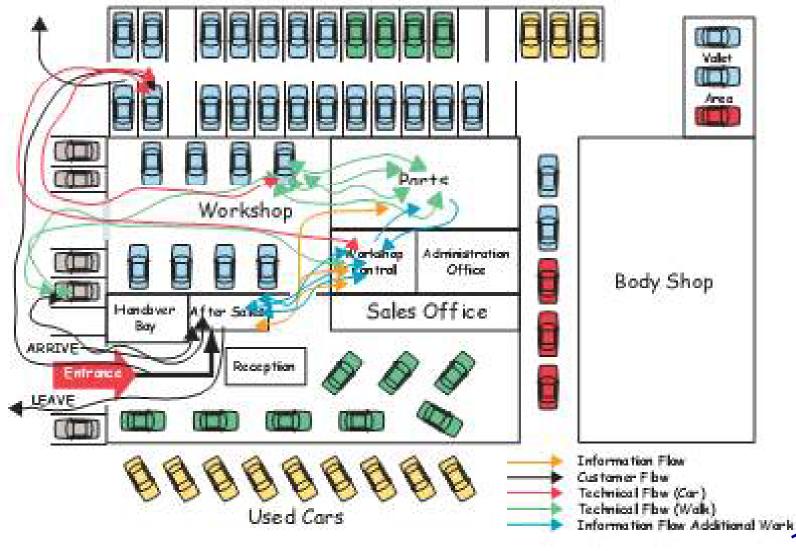


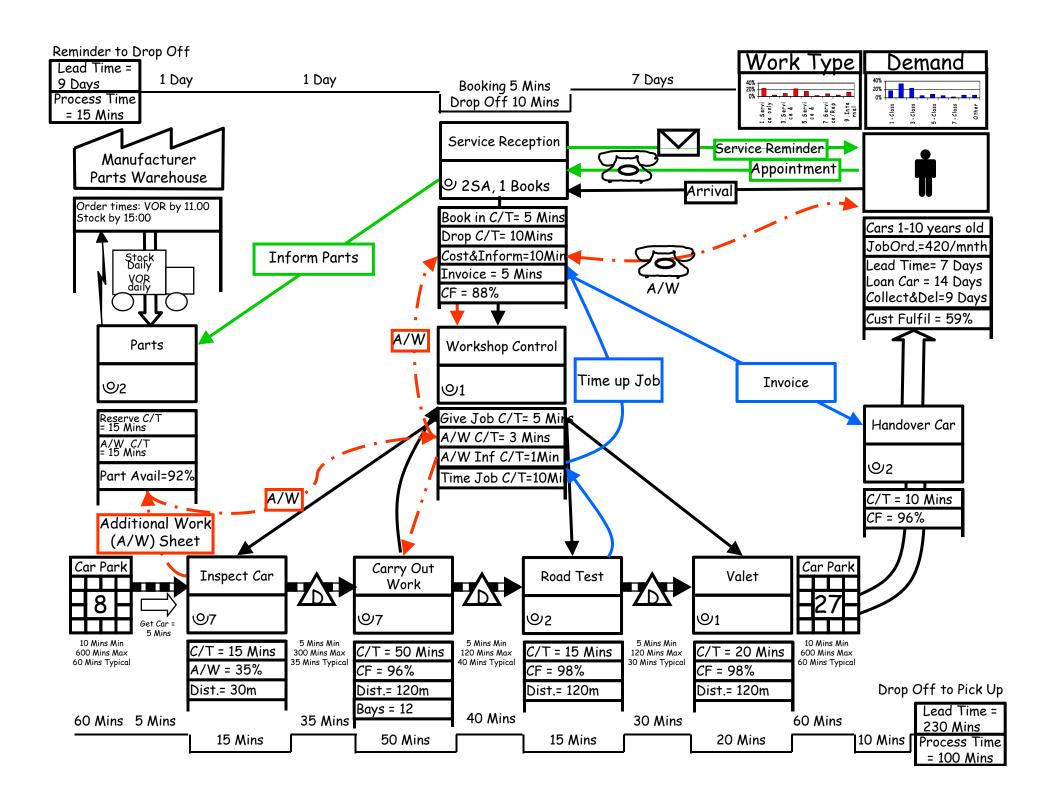
### What is the Demand?



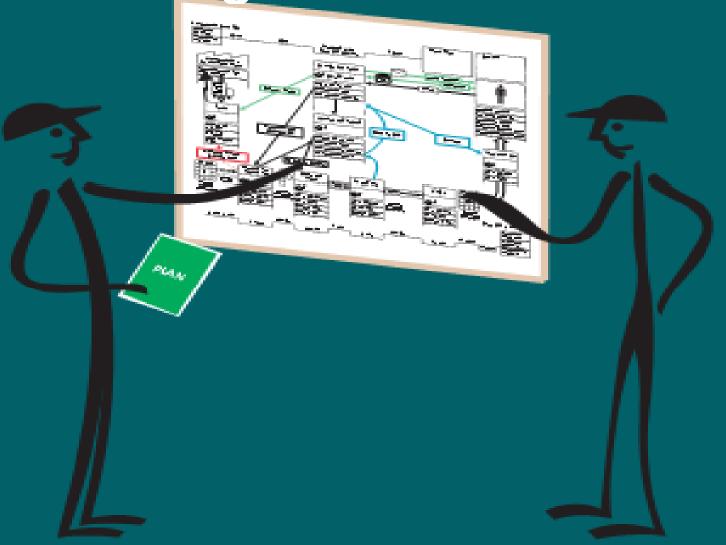


#### What are the Flows?





## Creating a Future State





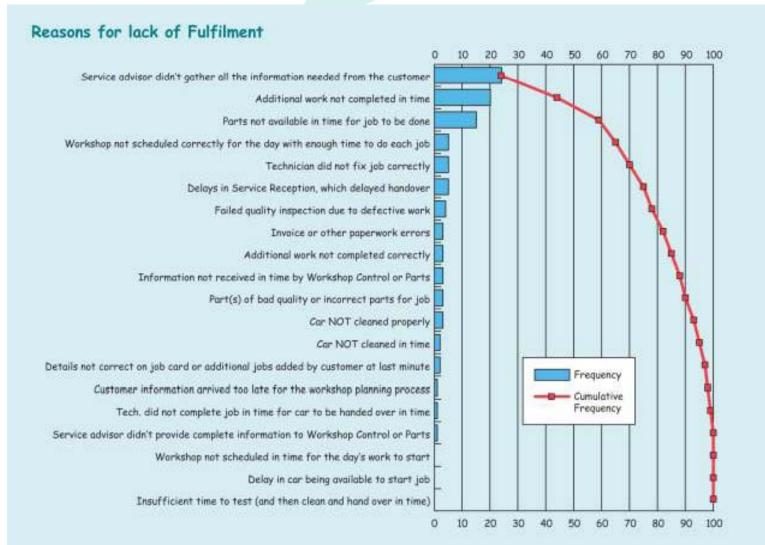
#### **Future State Questions**

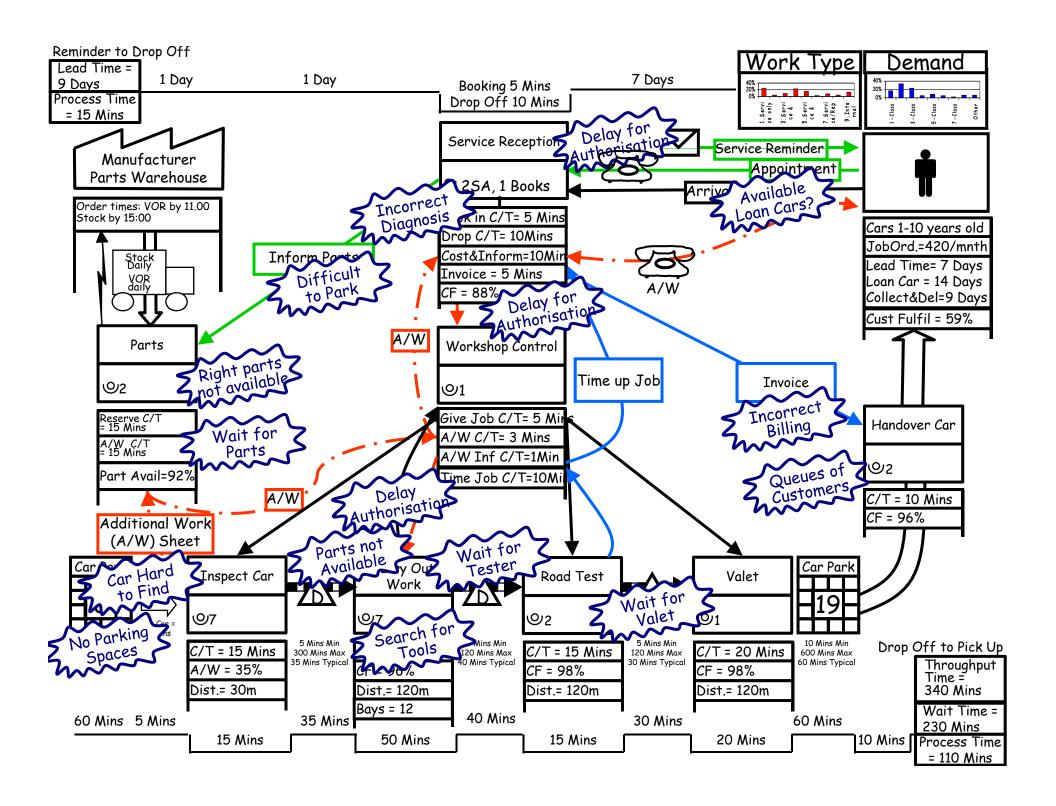
- Understand the performance of your value streams in terms of "Right First Time, On Time"
- What are the causes of failure to fulfil?
- What is the demand?
- Where can we flow the work?
- Where can you pull?
- What point can we gather information on what to do?
- Where do we schedule the workshop?
- What timeframe do we use to plan?
- How do we make sure work loads are levelled?
- What are the supporting improvements we need to ensure we reach a Future State?

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## Reasons for Lack of Fulfilment (Q & D)







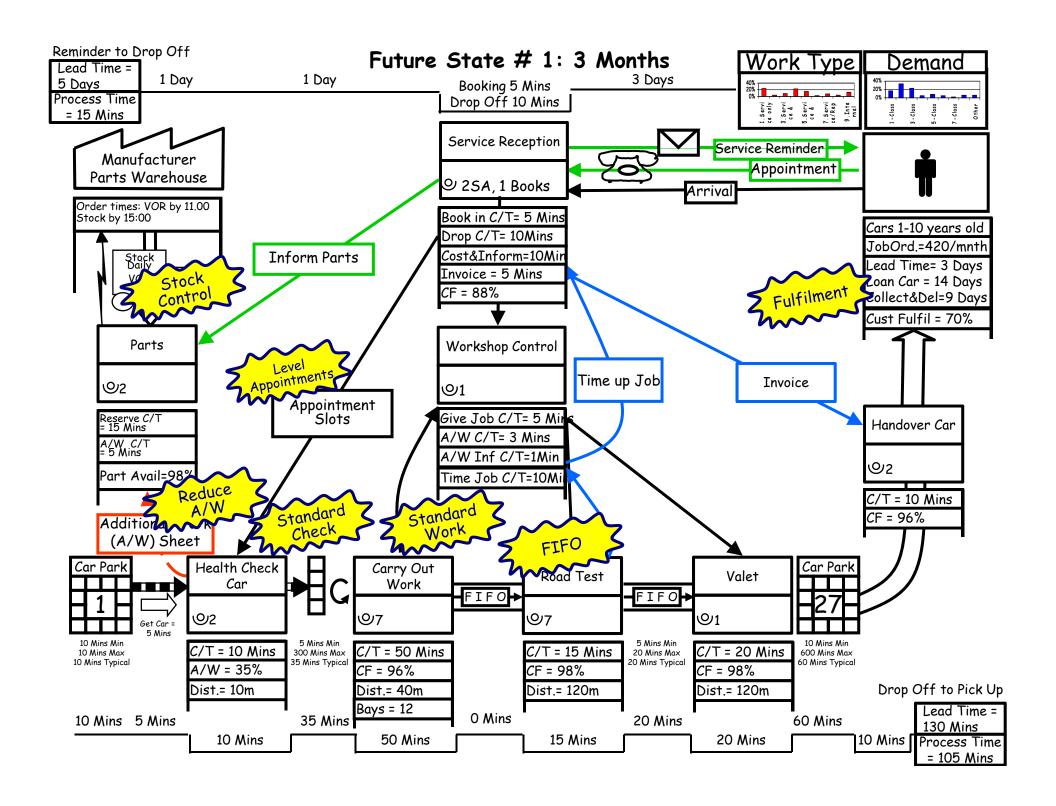
# Predictable & Unpredictable Work

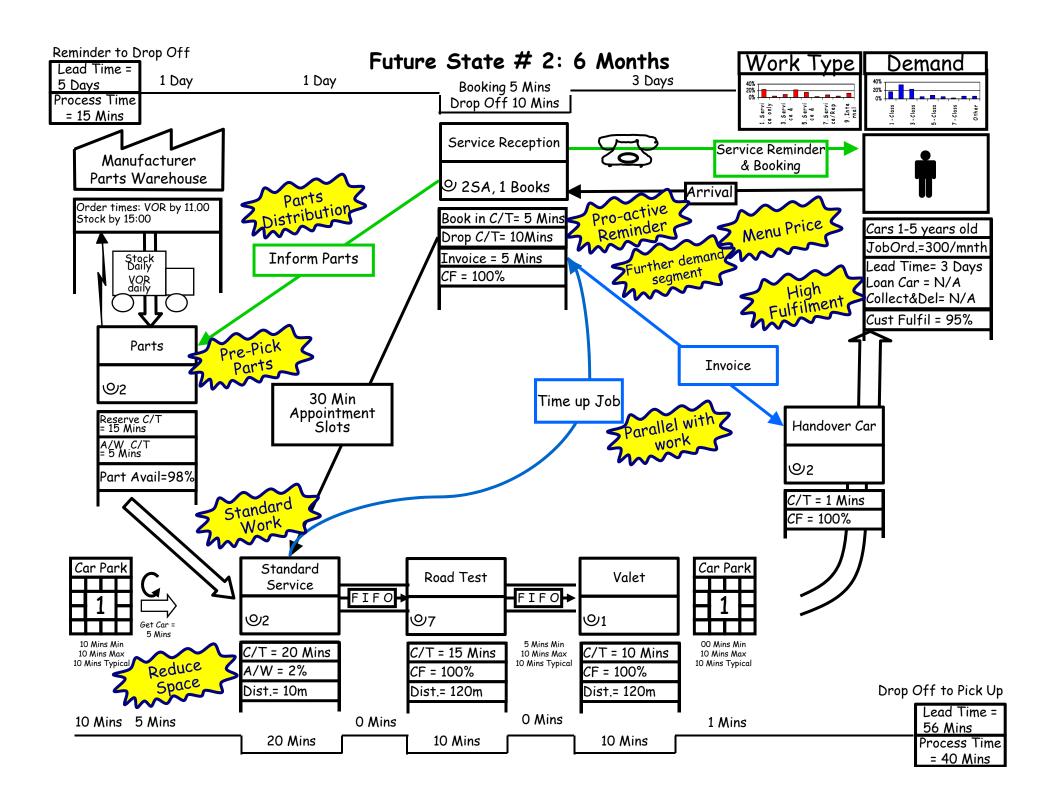




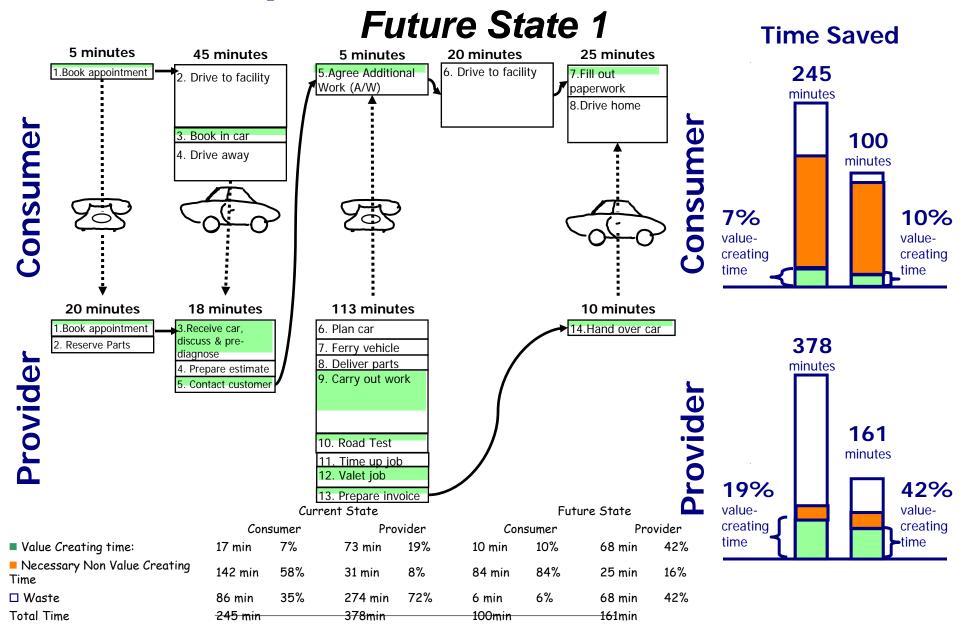
## **Greater Predictability by Pre-Diagnosing**



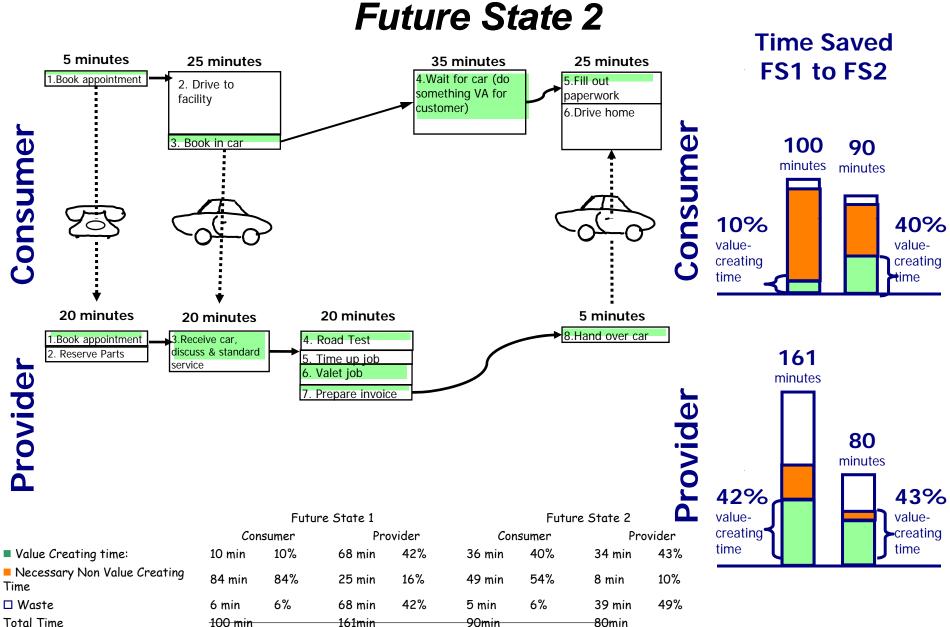




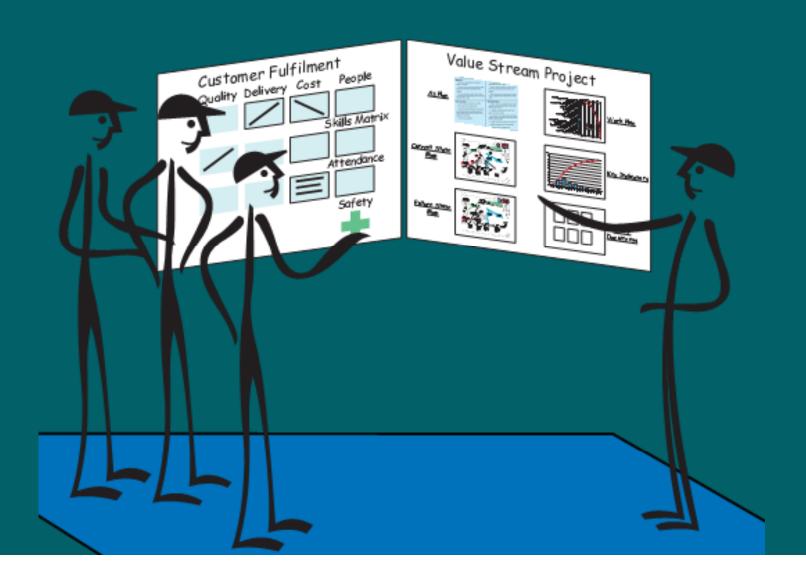
## Car Repair After Lean Processes

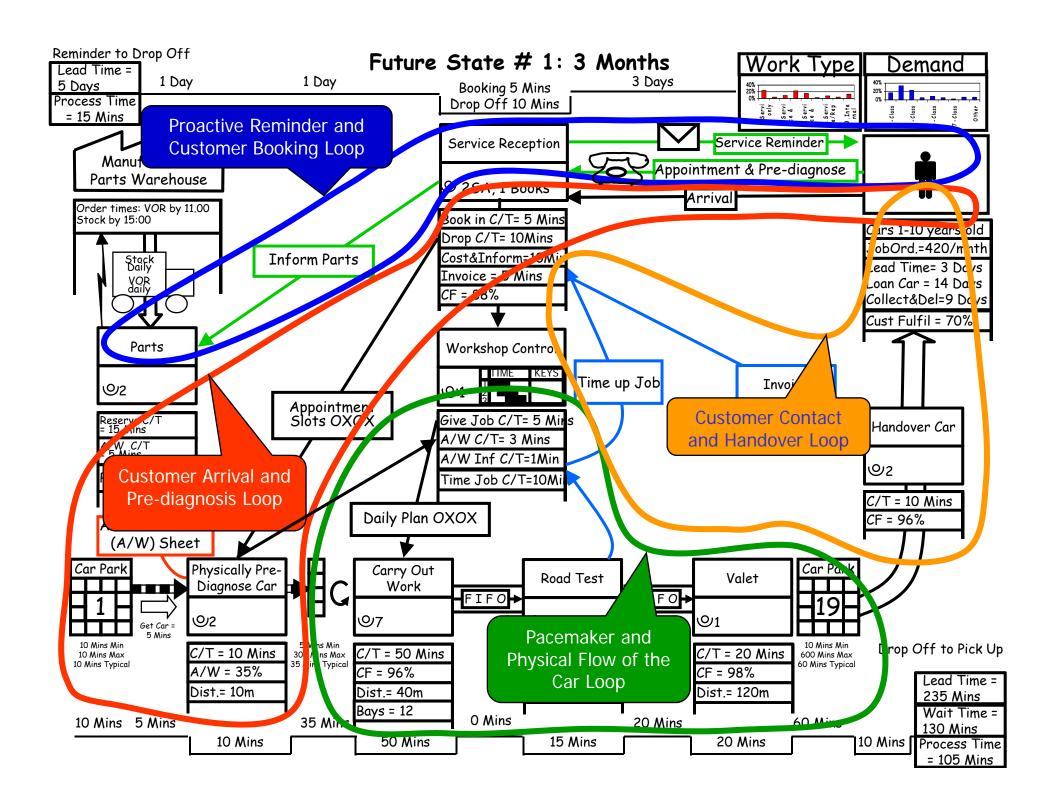


## Car Repair After Lean Processes



# Planning & Managing the Change





Date:	02/02 Dave Johnson Harry Bamford														Signatures						
Site Manager  Value Stream  Manager				Value Stream Plan: After Sales (90 Days)												Site Manager D. Johnson	Sales T. Plant	After S H. Bamf		Parts I. Harvey	
Site Level Objective	Value Stream		Value Stream Goals	Target ("Metric")	Weekly Schedule													Related Individuals/ Departments	Review Schedule (Monthly) With weekly progress Reviewer Reviewer		
v	1 Pro active reminde r & Custome r Booking	1.1	("Deliverable")  Develop a proactive booking process	100% of cust. Level, Retention	1	2	3	4	5	6	7	8	9	10	11	12	T. Plant	SA, Adm	DJ 30 Days Feb 28	DJ 60 Days Mar 28	
		1.2	Establish telephone pre- diagnosis	Data 100% C/A at booking								$\mid \cdot \rangle$	<del>}</del>			$\Diamond$	T. Plant	Tch, Wco	Feb 28	Mar 28	April 28
		1.3	Create visual capacity management process	Plan v Act = 5% variation								<	>			$\Diamond$	H. Whittle	Tch, Wco, SA	Feb 28	Mar 28	April 28
		1.4	Book customers to arrival slots	Slot booking implemented				OK		Δ		<	<u> </u>			$\Diamond$	T. Plant	Tch, Wco	Feb 28	Mar 28	April 28
	2 Customer Arrival & Pre- Diagnosis	2.1	Develop std pre- diagnosis process	C/T=10 min 95% work known								<	<u> </u>			$\Diamond$	H. Whittle	Parts	Feb 28	Mar 28	April 28
		2.2	Eliminate tech waiting for authority	18 to 0 mins								<	<u> </u>			$\Diamond$	H. Whittle	Parts, Wco, Tch	Feb 28	Mar 28	
	3 Pacemaker Physical flow of car	3.1	Develop standardised work for "carry out work" so cars flow	30 min cycles CF Quality = 100%				0			<u> </u>	<	<u> </u>			$\Diamond$	H. Bamford	Adm Parts SA Tch Wco	Feb 28	Mar 28	April 28
		3.2	Develop standardised work & rapid f'back for "road test"	CF Quality = 100%						(	<u>}                                    </u>	$-\Delta$	<u> </u>			$\Diamond$	H. Whittle	Sales, Parts SA, Val		Mar 28	April 28
		3.3	Develop standardised work for "valet"	CF Quality = 100%								<	<u> </u>	$\Delta$		$\Diamond$	M. Rushton	Tch Wco		Mar 28	April 28
		3.4	Establish FIFO rules between "road test" and "valet"	Min = 0 cars Max = 3 cars								<	<u> </u>	0	$-\Delta$	, 🔷	J.Butterworth	Tch, Wco		Mar 28	
		3.5	Develop pull between "physical P/D" & "carry out work"	Min = 0 cars Max = 3 cars							$\bigcirc$	$\Delta$	<u> </u>			$\Diamond$	J.Butterworth	Wco, Tch, SA, Parts		Mar 28	
		3.6	Pre-pick parts, develop pull &deliver to technicians	10 minutes to 0 minutes								<	<u>}                                    </u>			$\Diamond$	A. Harvey	Parts, Tch, Wco	Feb 28	Mar 28	
	4 Customer Contact & Handover	4.1	Establish flow of work for invoicing after "Road Test"	Invoices 100% C/A & available								Q				$\langle \rangle$	T. Plant	Wco, Tch, SA, Parts, Fi		Mar 28	
		4.2	Establish handover slots to eliminate waiting	C/T = 10 Mins Slot levelling								Q				$\Diamond$	T. Plant	SA		Mar 28	
		4.3	Establish a handover area so cust find cars	Eliminate waiting for customers								O			$\Delta$	$\Diamond$	J. Butterworth	SA, Fi		Mar 28	April 28

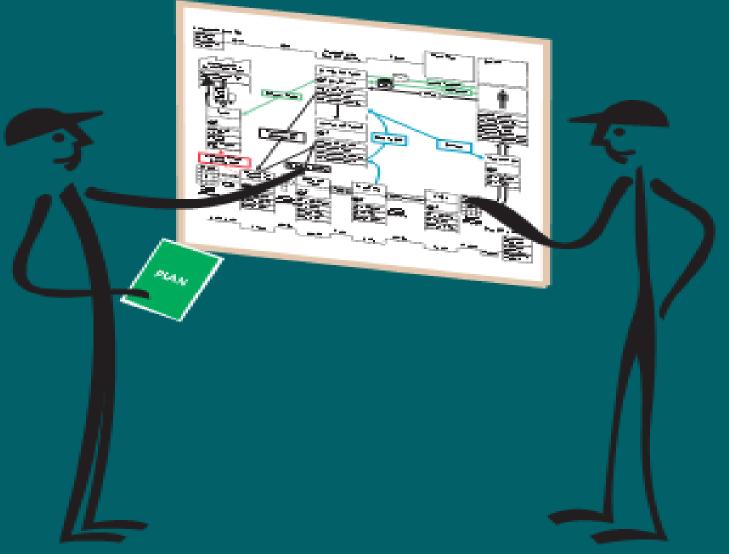
○ Proposed Start
 ○ Actual Start
 ○ Review (Major Milestones)
 ○ Proposed Completion
 △ Actual Completion
 ○ Review (Major Milestones)

On Target

Berind Target

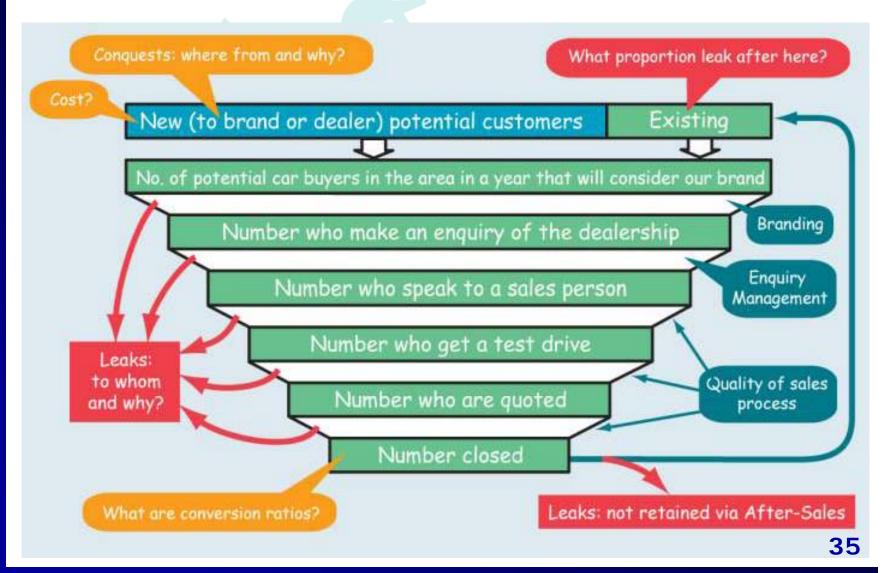


## The Sales Value Stream





## Sales Funnel (New & Used)



**Lean Enterprise Academy** 

www.leanuk.org

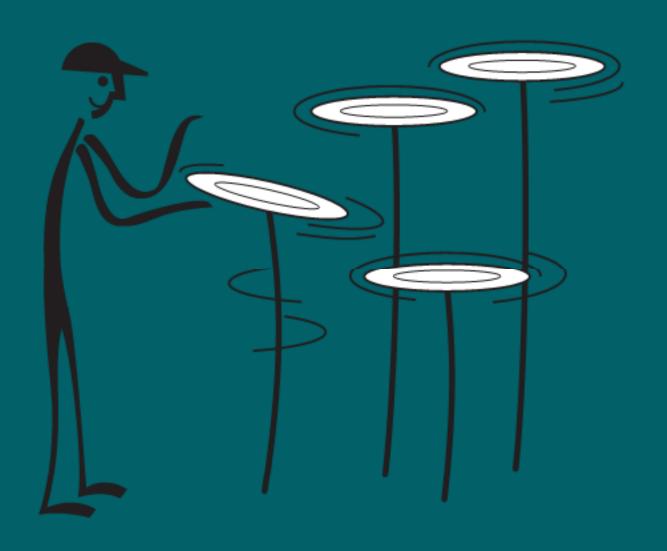


### Workshop # 3

What are the major areas of flow in the sales process?

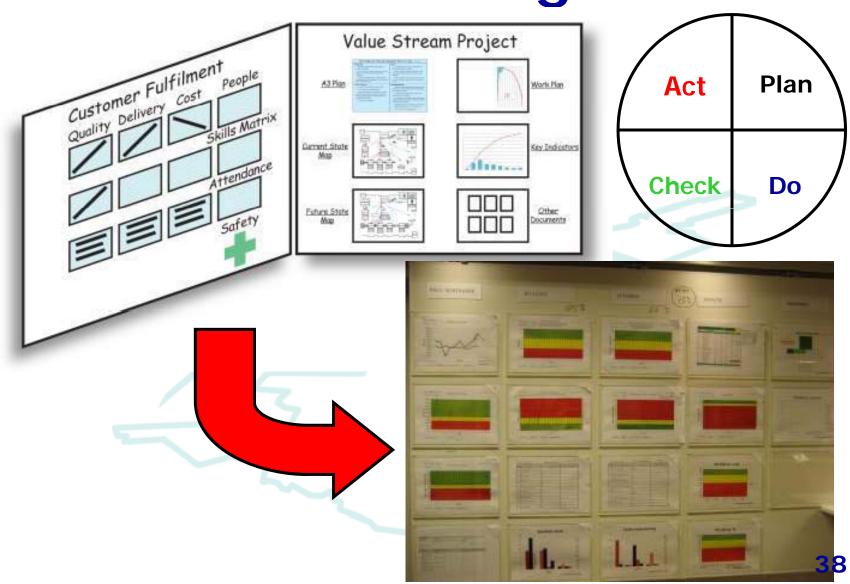
 How would you eliminate waste, unevenness & overburden? (15 minutes)

## **Sustaining the Gains**



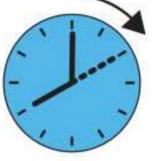


Glass Wall Management





# Daily Meeting Management





- 1. Resource Planning
- 2. Communications for the day
- 3. Health and Safety
- 4. Customer Fulfilment performance
- 5. Reasons for Failure to Fulfil
- 6. Concern, Cause and Countermeasure of issues

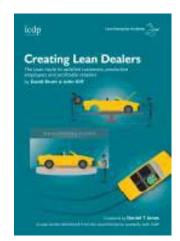




## Summary

- What are the main processes in your organisation?
- How well does each process perform, in delivering value for your customers and profitability for your organisation?
- What is the demand for each process?
- What are the vital few types of work that account for most of the throughput?
- How can you create stability by turning unpredictable work into predictable work?
- How can you flow this predictable work through your organisation, without delays, errors, rework and firefighting?
- What does management have to do to create this flow and then sustain it over time?





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