

Workshop Overview

Kanban and Just-in-Time

Moving from 'Push' to 'Pull' and Reducing Inventory

In our Kanban Workshop your team not only learn about Kanban and Just-in-time systems, but they will build a real Kanban system to control and reduce inventory in response to customer demand.










Your team will learn why Kanban is so important – in fact, Toyota consider Kanban the crown jewel of the Toyota Production System. They will learn the history of 'Just-in-Time', how to build customer-supplier relationships, Kanban calculations, and how to create their own Kanban system.



Kanban Board at Sheetmetal Fabrication Company

Kanban Workshop Activities

The learning topics covered and resources in this workshop are:

-  “*The Piggly Wiggly*” - the origins of ‘Just-in-Time’ and Kanban.
-  “Kanban at Toyota” –Kanban is the foundation for ‘Just-in-Time.’
-  How Kanban supports ‘Every Product, Every Interval.’
-  Moving from ‘Push’ to ‘Pull’
-  “*Kanban at ACME Incorporated*” Workbook.
-  What is ‘Kanban’ and where we use it to control inventory.
-  Establishing Customer-Supplier relationships.
-  Kanban calculations
-  Building a full functioning Kanban system in the ACME simulation.

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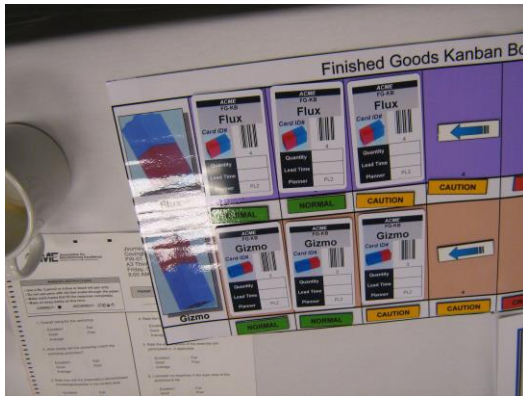
Workshop Concepts

The origins of Kanban	We meet Henry Ford, Fuji Toyoda and Taichi Ohno (creators of the Toyota Production System), and visit the 'Piggly Wiggly Supermarket' in Memphis, USA.
'Just-in-Time' pillar of TPS	Kanban is the key tool within the 'Just-in-Time' pillar of the Toyota Production System (TPS.) Kanban is the control for all 'Go' activities within TPS.
Excess Inventory	Excess Inventory is the biggest of the Seven Deadly Wastes because not only have many of the other wastes already been created in making this excess product, but just holding this inventory incurs all other wastes over again, plus some new ones!
Over-Production	Over-Production is the worst of the Seven Deadly Wastes because it hides all sorts of system problems and negatively impacts all SQDCPE measures.
From 'Batch and Queue' to 'Flow'	How Kanban helps your system move from 'Batch and Queue' and creates virtual 'Flow.'
Kanban for any situation	Introduce different Kanban systems, including Production Kanban, Withdrawal Kanban, ConWIP (Constant Work in Process, Drum-Buffer-Rope, and Multi-Card (as used in Toyota Production System.)
Kanban Calculations	The four pieces of data needed and the simple calculation to determine how many Kanbans needed.
Reading Kanban Boards	How to interpret Kanban boards and make critical production and inventory decisions
Customer-Supplier Relationships	How 'customer supplier agreements' build trust and support implementing Kanban systems.
Setting Up a Kanban system	Your team will build a fully functioning Kanban system at 'ACME Incorporated.
Kanban in operation	Your team will see how Kanban controls and regulates Inventory, even in response to variable customer demand.

Workshop Highlights

The 'Kanban and Just-in-Time Workshop' effectively engages all staff in Kanban/JIT thinking and tools to achieve results.

To give you some insight on what to expect in this workshop, some graphics, highlights and concepts include:



Kanban in Operation

Kanban Calculations

What should your Kanban be?

(a) Average daily demand: _____

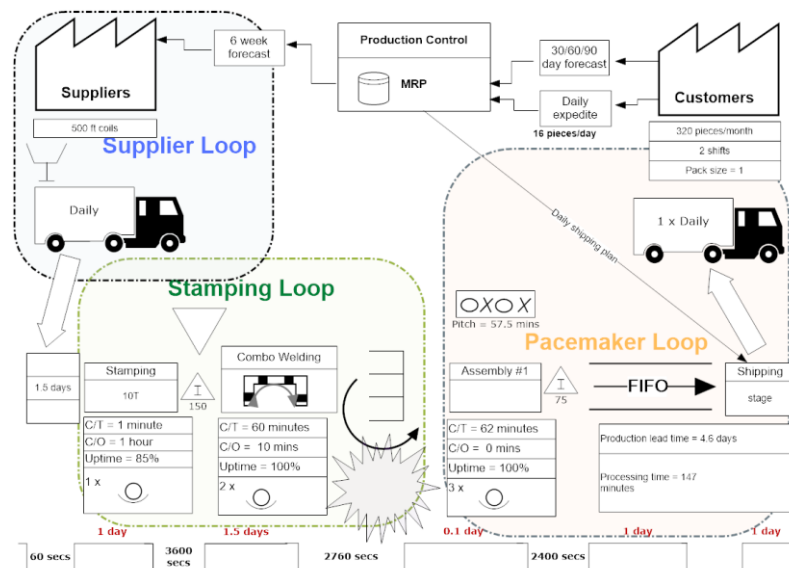
(b) Lead time: _____

(c) Buffer: _____

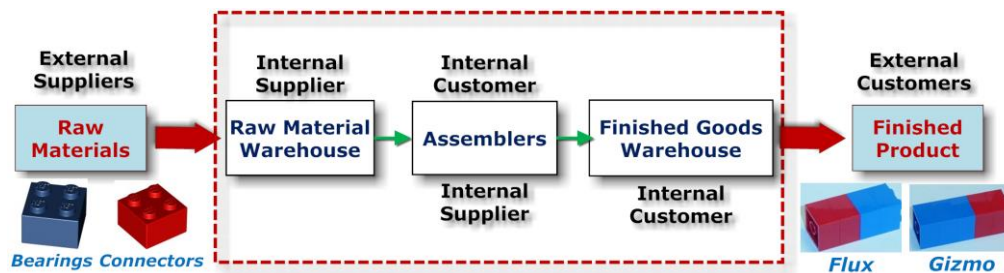
(d) Package Quantity: _____

$$\frac{(a \times b) + c}{d} = \text{_____ Cards}$$

Kanban Calculations



Kanban within 'Future State' Value Stream Map



ACME Incorporated Customer-Supplier Value Chain

Workshop Outcomes and Results

The outcomes and results to expect from the ‘The Plug Factory – Lean Fundamentals’ will be agreed with your management team, and our workshop will be customized to meet your goals. To give you some insights and what can be achieved, some ideas include:



‘Kanban Workshop’ Conference Delivery



Kanban Board at Sheetmetal Fabricator



Pull System at Auto Parts Supplier



Kanban Workshop at HVAC Manufacturer



Kanban Simulation for Sheetmetal Fabricator

Workshop Details

Duration	One Day.
Locations	 On-Site at your premises.  Hired Training Room at your locality.
How many people can attend?	 From 8 to 24 people for maximum engagement.  Minimum: At least 8 people to fill simulation roles.  Maximum – see ‘Conference Delivery’ below.
Target audience?	Anyone , at all levels in your organisation.
Is this workshop available for conference delivery?	Yes. The Kanban and JIT Workshop makes an excellent small conference starter (24 max.)
Is this workshop accredited?	No. For maximum flexibility, to enable customisation, and minimise cost, we do not offer accredited programs.
Can this workshop be customised?	Yes. We are happy to customize all resources – workbooks, handouts etc – with your corporate branding. Contact Glen for pricing.
Can we build In-House capability and deliver ourselves?	Yes. We are happy to help you build In-House capability. Contact Glen for pricing.
Is this workshop available for delivery in regional locations?	Yes. We enjoy travelling and delivering in regional locations. We minimize travel costs. Contact Glen for an estimate of t&a costs for your location.
Is this workshop available for on-line and/or remote delivery?	No. The Kanban Workshop requires hands-on participation. Call Glen for alternatives ways of learning Kanban and Just-in-Time.
Is there any prework required?	No. We just ask you to attend with an open mind and have fun in the Kanban Workshop.
Is there post-workshop support?	Yes. We make Fridays available for ‘free’ ¹ post-workshop support.

¹ Free workshop support is available any Friday – up to one hour per client company, upon booking any available slot through our Scheduling Calendar.