

Lean Tools – Kanban & Pull (1 Day)



Background

Kanban is a signalling system to trigger action. Kanban typically uses cards to signal the need for an item. However, other signals such as empty totes or trolleys or even faxes can also be used to trigger the movement, production, or supply of a unit.



In the late 1940s, Toyota was studying supermarkets with a view to applying some of their management techniques to their work. This interest came about because in a supermarket the customer can get what is needed at the time needed in the amount needed. The supermarket only stocks what it believes it will sell and the customer only takes what they need because future supply is assured. This led Toyota to view earlier processes, to that in focus, as a kind of store. The process goes to this store to get its needed components and the store then replenishes those components. It is the rate of this replenishment, which is controlled by kanban that gives the permission to produce. In 1953, Toyota applied this logic in their main plant machine shop.

The workshop presents the concept of the kanban and how it can be used to control inventory. The workshop demonstrates how kanban is closely linked to line balancing, Takt and 5s and is designed to supply what is required, when it is required.

Objectives

- To give an overall understanding of the concept of kanban and how pull systems can replace traditional re-ordering systems.
- To demonstrate that a systematic and disciplined kanban system should ensure no material shortages whilst carrying less inventory.
- To ensure the participants can design a kanban system, train people in its operation, and also how to calculate kanban quantities based on delivery lead-times, frequency and batch size.

Who should attend

Managers, Supervisors, Team Leaders and personnel involved in inventory management.

Course Programme

- Why Pull Manufacturing?
- The Problem of Inventory
- Just In Time
- Kanban
- JIT tactics
- Benefits of JIT



- Types of Kanban
- Implementing Kanban systems
- One Piece Flow
- Demand / Pull
- Standard Work & Takt Time
- Production Smoothing

Course Manual

Course notes will be provided to participants along with a soft copy on memory stick, which proves to be an excellent source of reference after the course.

Why Choose ETAC?

ETAC is an Irish Company specialising in the provision of training, expertise and software solutions in all matters related to Lean and Six Sigma Business Improvement Programmes. All ETAC associates have extensive knowledge and many years of practical experience in Lean Implementation, Programme Management, Change Management & Six Sigma in many different industries in Ireland, the UK, Europe and the USA.

ETAC has been responsible for the training of over 200 Six Sigma and Lean practitioners including project support for projects that have delivered over €6,000,000 in hard financial benefits for our clients.

Customers of ETAC include Abtran, Air Atlanta, Allergan, Coca Cola, DAA, Diageo, Élan, Element Six, Forest Tosara, GN Resound, Irish Distillers, Iarnród Éireann, Lexmark & Pepsi.

Training Methodology

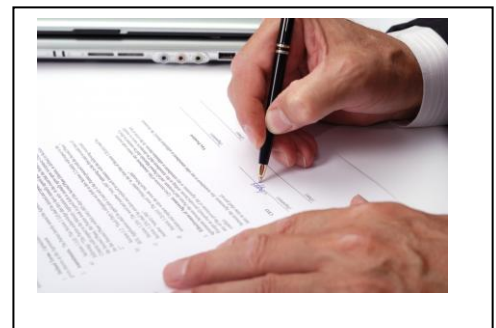
This classroom based course is highly interactive and uses practical exercises and simulated case studies to reinforce understanding and learning.

Course Organisation

Course Times are typically 9.00am-5.00pm.
Group sizes up to 12 per group.

ETAC

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