Kanban & Pull Production System
Two Days - 6-8 hours each Day

OVERVIEW

Achieving business excellence within a company comes from controlling a work environment to deliver desired goods and services in an optimized manner. Kanban is one such approach that will enable such an environment. The term translates from its original Japanese to visual signal or card, and a material flow system developed by the Toyota Production System. Kanban is a lean method to manage and improve work across human systems. This approach aims to manage work by balancing demands with available capacity, and by improving the handling of system-level bottlenecks.

Work items are visualized to give participants a view of progress and process, from start to finish—usually via a kanban board. Work is pulled as capacity permits, rather than work being pushed into the process when requested. Internal kanbans regulate flow within the factory, whereas external kanbans can regulate flow from suppliers or from customers thus controlling inventory levels.

Kanban is the heart of a pull system through regulation of material flow and inventory. Quality is built in at each process and should prevent flow of defective goods downstream. Kanbans always move with the goods to ensure just-in-time information and visual control is available at all times.

PROGRAM OBJECTIVES

Students will gain an understanding and learn to leverage improvement tools in the following:

- Production systems and the control mechanisms involved
- Different kanbans and the rules involved with their use
- Capability of designing parts feeding systems and stores involved in Lean Operation Systems as well as other requirements for inventory management

BENEFITS

- Business gains increased productivity, safety and employee engagement
- Establishes a continuous improvement methodology to enhance the culture
- Employees can take direct ownership for area improvements

PLANNING INFORMATION

- 6 to 8 hours / day in length workshop content delivery, depending on lunch and breaks
- Tables, white board, and projector/monitor, lunch should be brought in to maintain the schedule
- The session can be offered virtually as well, due to today's challenges.

WHO SHOULD ATTEND:

- Operations' professionals, Engineers, Leaders/ Managers