

Facility Layout and Flow

Three Days - 6-8 hours each Day

OVERVIEW

Having an effective plant layout is one of the keys to success in facility management. It will not only have a direct effect on the efficiency of your operations but also affect the total operation of your company, including the production processes, inventory, dispatch, and flow.

When talking about plant layout there are always varying views as to what is a 'good' plant layout. These views will change depending on the type of layout you wish to achieve.

We call a good plant layout, one that applies Lean principles to create a Lean plant layout. As you may know, Lean eliminates wastes, and deliver values to your customers with lower costs, higher quality, shorter lead times, safety and high morale.

Lean facilities create a seamless flow for material and information, minimizing handling time and effort, saving on floor space, shortening lead times to customers, increasing productivity and quality. Lean plant layout focuses on value streams, all value-added steps from raw materials until the delivery to your customer. Lean plant layouts use **visual controls** for better communication and set visual standards. Lean plants aim at delivering products to customers on time, in full, and defect-free. A Lean layout should not be developed by just one group of stakeholders, it needs to be a collaborative effort from a range of stakeholders in the business; after a future state map has been created.

PROGRAM OBJECTIVES

With the combination of classroom and hands-on application, this workshop effectively teaches and provides:

- A cross functional team of people who will understand cell flow concepts and methodology, and who will be experienced in their actual application.
- Hands-on experience getting a work cell up and running, quickly and effectively by selecting the right products, engineering the process, identifying critical infrastructure elements, designing the layouts and managing people and change.
- Projected benefits of the new cell and the performance measures used.
- Action list and implementation plan to assist in follow-up, if physical changes were not possible during the workshop.

BENEFITS

Providing your team with effective cell flow skills, and the ability to apply them, will help your organization:

- Improve cash flow through reduction of inventory and rapid conversion of raw materials into saleable product
- Increase competitiveness as time-to-market shrinks
- Improve manufacturing flexibility and capacity
- Improve quality as lot sizes and lead-times shrink

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

WHO SHOULD ATTEND:

- 1-2 operators from area being analyzed, Lead from area being analyzed, Engineering, Maintenance, Scheduling or materials management, Outside person
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