3P: Production Preparation Process

"Why not embed Operational Excellence into your value streams before setting them up?"

Overview

Continuous flow is the most effective and efficient way to deliver any good or service to a customer. This session will teach how to introduce new products into continuous flow to drive Operational Excellence.

The focus of the class is on aggressively removing process waste by showing the flow of the new product as it is currently designed. Through hands-on training methods, participants are then taught how to use the various techniques to generate ideas for flow, then test these new ideas using cardboard, duct tape and other simple props to create a live mock-up.

This is the true class for introducing new products into a lean environment to create Operational Excellence!

What Participants Say

"The hands on effort was very valuable to actual programs which should improve cost and schedule."

"I was very impressed with the amount of instructor involvement with the two teams."

Class Duration:
5 days

Recommended Class Size:
15-20

Languages:
English

Prerequisites:
None

Class Location:
Preferred on-site

Who Should Attend:
A good cross-functional group will provide the most benefit to the company. This includes:

- Management of all levels
- Operators
- Supervisors
- Team Leaders
- Production Control
- Manufacturing Engineering
- Industrial Engineering
- Inventory Control
- Quality Control

3P: Production Preparation Process continued

Learning Objectives

- Teach students how lean techniques apply to products prior to production
- Introduce new products into an existing lean environment
- Teach the detailed principles of flow and apply these to new products through hands-on simulation
- Remove waste from new products prior to going into production

Program Agenda

The workshop facilitator spends a total of 5 days at the sponsoring company. The first half-day is for classroom training on the principles of 3P, selecting products, reviewing data for its current state of flow, outlining the scope of the week and identifying goals to be obtained. The facilitator will then break the group into teams and begin their assignments. The remaining days will be spent on the shop floor, creating a live simulation of the current and future states of the new product. The session will end with a live presentation to management demonstrating how the new product will flow in production once it is introduced.

Day One

- Half-day classroom activity reviewing product and teaching the principles of 3P followed by breaking into teams and begin working on the shop floor

Day Two-Four

- On the shop floor applying the principles of 3P to the selected product.
- Formal review with facilitator on the day's activities

Day Five

- On the shop floor applying the principles of 3P to the selected product.
- Formal review with facilitator on the day's activities
- Formal presentation to management and live demonstration on the flow of the new product once introduced to production
- Document activities required after the event is over in order to effect the new changes

Materials Provided by Duggan:
Student Guides (containing all instructor's slides)

Materials Provided by Client:
LCD projector, flipcharts, large whiteboard, photocopy machine, dry erase markers, flipchart markers, pencils and one calculator per team, large cardboard sheets, duct tape for work area, and refreshments (coffee, lunches, etc.)