



For organizations looking to maximize the profitability of new product development

Production Preparation Process (3P)

Course Overview

Lean methods have helped many organizations achieve substantial improvements in quality, cost, and delivery. However, the vast majority of lean improvement efforts in manufacturing have been focused on making existing operations lean. To maximize the profitability of new product development it is vital to launch new production that is lean from the outset. Until recently we had no systematic method for doing this until Toyota shared its 3P methodology. 3P is a natural extension of Toyota's unique product development approach of set-based concurrent engineering in which many alternative product designs are considered in parallel. This leads to a high degree of confidence in the design that is ultimately chosen for the product. This short course provides an initial introduction to 3P using a combination of lecture and practical exercises. Participants in this program will learn how to:

- *Identify, prioritize, and charter 3P projects aligned with your organization's priorities for quality, delivery, customer satisfaction and profitability.*
- *Adapt the conventional Kaizen Event framework for 3P implementation.*
- *Generate seven alternative methods for each production step and portray them using a pictorial approach, then select the best alternatives using a systematic approach.*
- *Identify ways of simulating the best alternatives using low-cost mockups, in order to select the best overall lean new production system*
- *Document the selected production system and plan for implementation.*

Who Should Attend

This workshop is for people that want to improve the profitability of new product introductions by improving the effectiveness and efficiency of their product design and manufacturing processes.

Course Prerequisites

There are no prerequisites for this training course.

Course Duration

This course will take 1-day (8-hours) to complete.

Training Course Fees

ETI Group can present this training program at your facility. Your cost, including workbooks and handouts for up to twelve participants is \$2,750. Additional participants, up to a maximum of twenty people will cost an additional \$50 per person. Please note that this training course can also be "tailored" to meet specific learning needs of your organization. For more information please contact: