

Production Management Theory of Constraints Approach

This two-day workshop provides the participants with an in-depth exploration of the application of TOC to the problems faced by manufacturing which typically can be described as the management of resources required to convert raw material into finished goods. Through the use of common sense logic, open discussion, and interactive computer simulations, the participant:

- Analyzes the existing problems, such as poor on time performance, long lead times, high inventories, poor quality, poor scheduling, etc. of a typical production environment, resulting in the identification of the core problem that has proven to cause the whole host of problems that characterize almost every production environment.
- Derives the five steps of Constraint Management in a manner similar to the process described in The Goal, the thinking journey taken by Alex Rogo to turn his plant around.
- Thoroughly explores the innovative, practical "Drum-Buffer-Rope" solution offered by TOC, while drawing parallels as to how this solution can be applied within the participant's own production environment.
- Understands what is required if manufacturing organizations are to effectively implement a constraint management system that is focused on Throughput (T), Inventory / Investment (I) and Operating Expense (OE). They will be able to see the cause and effect relationships of their actions to the goal of the organization.
- Recognizes the need for a measurement system that motivates people to improve profitability and allows them to clearly see the fruits of their labor.
- Establishes the relationship between a process of on-going improvement and the need for change if organizations are to achieve profitability goals as well as meet the necessary conditions of employee satisfaction and customer service

In addition to the focus on the identification and managing of physical constraints, the workshop will also provide an overview of the Thinking Process developed by the Institute to help identify and resolve the "invisible" constraints faced by almost all manufacturing organizations. These constraints can assume a variety of disguises and reinforce the need to address strategic as well as tactical issues.