

1-Day Systematic Layout Planning (SLP)

Description

Systematic Layout Planning (SLP) is recognized throughout the world as the most organized way to develop layout plans. Thousands of projects have been successfully completed with SLP. This workshop provides a fast-paced introduction to the SLP method and to classical types of factory layout plans.

Essential learning for those who are adding new equipment or capacity, rearranging for better material flow and throughput, expanding or consolidating facilities, implementing work cells and lean manufacturing...

Note: While this course uses manufacturing examples, the procedures you will learn are equally effective when arranging warehouses, offices, and laboratories.

Objectives

- To reduce material handling costs.
- To achieve more productive facilities.
- To provide for flexibility, adaptability and expandability.

Who Will Benefit

- Plant and Manufacturing Managers
- Manufacturing and process engineers
- Industrial Engineers and layout planners
- Facilities planners, plant engineers, and architects
- Production supervisors and team leaders
- Cell planning and Lean Manufacturing implementation teams

Timing

Duration: 1 day
(2-, 3-, and 5-day versions also available)
Start: 8:00
AM Break: 10:30
Lunch: 12:00 – 1:00
PM Breaks: 2:15 & 3:45
Adjourn: 5:00

Course Outline

A. OVERVIEW OF LAYOUT PLANNING

- Objectives of layout planning.
- Levels of physical planning.
- The classical types of layouts and when to use each.
- The Product-Quantity analysis and what it can tell you.
- Impact of manufacturing cells.

B. A TOTAL SYSTEM OF LAYOUT PLANNING

- Three fundamentals of every layout project.
- The framework of layout planning phases.
- The 5-section pattern of planning procedures.
- How to combine flow and non-flow relationships.
- Relationship charting and diagramming.
- Case exercise in block layout planning.

C. HOW TO ANALYZE CLOSENESS DESIRED

- 12 reasons for closeness between activities.
- Four ways to analyze material flows.
- Combining flow and other-than-flow relationships.

D. SPACE REQUIREMENTS & ADJUSTMENT

- Five ways to determine space requirements.
- Balancing needs with availability.
- Recognizing features and types of space.
- Adjustments for fit and function.
- Four basic flow patterns and their benefits.

E. EVALUATING ALTERNATIVE PLANS

- The weighted factor method.
- Common intangible factors in layout planning.
- What top management wants to know.

F. DETAILED LAYOUTS & VISUALIZATION

- Detailed planning process.
- Simplified 6-step procedure for small projects.
- Alternative detailed arrangements.
- Detailed space requirements.
- Methods of visualization.
- Getting started with SLP.