

Industrial/Storage Facilities Planning

Facilities planning decisions lead to long-term results. In general, equipment and machines are used for 10 to 20 years, and buildings for 30 to 50 years. It is totally insufficient to take such decisions for short-term requirements of 2 to 5 years.

Many business owners and senior executives know that industrial facilities are their biggest and lasting investments and that their earning potential relies on good planning. In order to realize this potential, we offer you the leading training courses in the world in the field of industrial/warehouse facilities planning. These courses will help you answer the following questions:

- What are the capacities of our existing sites and facilities?
- How much business volume can they support?
- How long can we proceed without additional space or facilities?
- What physical modifications are needed to support the future plans and growth?
- What is the ideal arrangement for our plant sites, manufacturing areas and warehouses?
- How much would be the improvement cost?



Our courses teach proven systematic methods (L/R SPIF/SPWF) (SPIF/SPWF) (SMSP) so that you successfully plan and approve expansions, new industrial and warehouse areas, relocation and combinations. In a broader sense, they cover plant location issues, site planning, and utilities, communications and building components, as well as overall facility layout and material handling plans.

<i>Long-Range Systematic Planning of Industrial Facilities</i>	2
<i>Long-Range Systematic Planning of Storage Facilities</i>	1

Layout and Space Planning

Appropriate layout planning is essential for efficient performance. In many plants and warehouses, layout is the most important component of facility planning. Layout affects space usage, materials handling cost and is highly influential on work flow times. Layout determines the flexibility and adjustability of the facility in the reaction to changes in product portfolio and business mission.

Layout must not be executed without considering its accuracy and appropriateness, or must not be left as uncoordinated results of continuous improvement efforts. Such an approach resembles playing “single move chess”. Often, you would regret from your previous move shortly after! A good layout requires a comprehensive approach that takes into account all factors with multiple alternatives reviewed and included.

Our layout and space planning courses are based on Systematic Layout Planning (SLP). Developed by Richard Muther and refined as a result of applications in a period of longer than 50 years, SLP is known as the best organized way of developing layout plans worldwide. SLP has been printed through various articles and manuals, and been translated into various languages.

Our courses teach the SLP method and the way of applying it in your projects. It is necessary for those who need to:



- Add new equipment or capacity.
- Introduce new business activities or products.
- Arrange facilities for better materials flow and processes.
- Expand or combine facilities.
- Apply working cells and lean manufacturing systems.
- Apply new storage methods, processes and systems.
- Make new arrangements for working groups and more efficient communication within the company.

Systematic Layout Planning focuses on manufacturing plant layout plans. These courses are ideal for plant managers, industrial and manufacturing engineers, foremen, technicians and chief operators. Those interested in Warehouse/Distribution Center Layout can get greater benefit from our courses specialized in these topics.

<i>Location and Site Selection</i>	<i>1</i>
<i>Systematic Layout Planning</i>	<i>2-3</i>
<i>Office Layout Planning</i>	<i>2</i>
<i>Overall (Block) Layout Planning Workshop</i>	<i>4-5</i>
<i>Detailed (Machine) Layout Planning Workshop</i>	<i>3-4</i>
<i>Systematic Storage and Distribution Center Layout and Handling Planning – Systematic Warehouse Planning</i>	<i>2-3</i>
<i>Warehouse Layout and Handling Planning Workshop</i>	<i>4-5</i>

Materials Handling Analysis

No operation can be performed without transportation! Materials handling methods link layout operations to a functioning manufacturing system. Depending on the nature of your facility, materials handling costs account for 10 to 30 percent of your total operating cost, which may be even higher in case of distribution facilities. Most facilities have not yet been referenced to a materials handling plan. Methods have mostly developed spontaneously or been projected by equipment suppliers and consultants. Likewise, the individuals appointed as materials handling engineer are mostly individuals without as formal education in this field. In the absence of analyses, many of them adopt the approach “me too” based on what others have done.

Our materials handling courses are based on Systematic Handling Analysis (SHA), which is the most organized approach designed to analyze and evaluate materials handling methods. Developed by Richard Muther and Knut Haganas and refined through an application history of more than 40 years, Systematic Handling Analysis accompanies Systematic Layout Planning (SLP). SHA is available in printed form and is used by thousands of planners worldwide.

Our courses on SHA methods give equal weight to facility and warehouse subjects. It is needed by those who have to apply the following procedures:

- Replace materials handling equipment, improve or add to their specifications.
- Replace materials handling methods, or evaluate alternative methods.
- Reorganize for a better flow of materials and movement of products.
- Reduce costs through better materials handling methods.

We offer specialized courses on Systematic Storage Planning (SSP) and Systematic Container Planning (SCP).

<i>Systematic Materials Handling Systems Planning</i>	2
<i>Materials Handling Analysis Workshop</i>	3-4