

# 1-Day Systematic Handling Analysis (SHA)

## Description

Systematic Handling Analysis (SHA) is used throughout the world to plan and select material handling methods. Hundreds of projects have been successfully completed with SHA. This workshop provides a fast-paced introduction to SHA procedures and to the basic principles and concepts of material movement in factories and warehouses. Hands-on case problems assure your mastery of the techniques and information presented.

Essential learning for those who are seeking cost reductions through better handling methods. Also valuable for those who must replace, upgrade, or add material handling equipment.

Note: This course is an excellent introduction for those new to the field or to the technical side of material handling analysis.

## Objectives

- To reduce material handling costs.
- To improve the planning and performance of material handling systems.

## Who Will Benefit

- Material handling and logistics engineers
- Manufacturing and process engineers
- Industrial Engineers and systems analysts
- Production supervisors and team leaders
- Warehouse supervisors and team leaders
- Cell planning and Lean Manufacturing 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. FUNDAMENTAL PRINCIPLES AND CONCEPTS

- Definition and objectives of material handling.
- Basic principles and economics of material handling.

### B. CLASSIFICATIONS OF MATERIAL HANDLING EQUIPMENT

- Understanding the categories of handling equipment.
- Understanding the types of material handling systems.

### C. HOW TO ANALYZE MATERIAL HANDLING PROBLEMS

- Systematic Handling Analysis (SHA) – an organized approach.
- Key information for systematic analysis.
- Practical ways to visualize and analyze material handling.
- Guided application in warehouse handling analysis.

### D. HOW TO IMPROVE MATERIAL HANDLING OPERATIONS

- Finding the causes of low utilization and performance.
- Practical application of work sampling and other techniques to material handling operations.
- Storage and order-picking methods.

### E. MANUFACTURING HANDLING ANALYSIS

- Coordinating material handling, production and material control.
- Case problem in manufacturing applications.

### F. SUMMARY AND CLOSING REMARKS