



Raw Material Storage and Handling Systems Operations

Course Introduction:

Raw material storage and handling systems are vital components in the manufacturing and processing industries, playing a crucial role in ensuring the efficient and safe management of materials before they enter production processes. These systems encompass a wide range of activities, including the receipt, storage, and transportation of raw materials, and their effective operation is essential for minimizing waste, reducing costs, and maintaining product quality. This 5-day theoretical training course, "Raw Material Storage and Handling Systems Operations," is designed to provide participants with a comprehensive understanding of the principles, practices, and technologies related to the handling and storage of raw materials.

Throughout the course, participants will explore the various types of storage systems, handling equipment, and safety protocols that govern raw material management. Emphasis will be placed on understanding the properties of different materials, the design of storage facilities, and the operational procedures necessary to optimize efficiency and ensure safety. By analyzing case studies and industry standards, attendees will gain valuable insights into best practices for raw material storage and handling, preparing them for effective implementation in their respective organizations.

Course Objectives:

By the end of the program, participants will be able to:

- Understand the fundamental principles of raw material storage and handling systems.
- Learn about the different types of storage systems and handling equipment used in industry.
- Explore safety protocols and best practices for managing raw materials.
- Analyze the impact of material properties on storage and handling operations.
- Familiarize participants with regulatory requirements and industry standards related to raw material management.

Who Should Attend?

This course is intended for Process engineers and operations personnel in manufacturing and processing industries, Supply chain and logistics professionals, Quality assurance and compliance personnel and Safety officers and risk management professionals.

Course Outline:

Day 1: Introduction to Raw Material Storage and Handling

- Overview of raw material storage and handling systems and their significance in production
- Key definitions and concepts related to storage and handling operations
- Historical development and advancements in raw material management practices

Day 2: Types of Storage Systems

- Examination of various types of storage systems: bulk storage, silos, tanks, and pallets
- Understanding the design considerations for effective storage systems
- Case studies highlighting successful storage solutions in different industries

Day 3: Handling Equipment and Technologies

- Overview of handling equipment: conveyors, forklifts, and automated systems
- Evaluation of technology trends in raw material handling
- Best practices for selecting and maintaining handling equipment

Day 4: Safety Protocols and Best Practices

- Identification of safety risks associated with raw material storage and handling
- Emergency response procedures and risk mitigation strategies
- Regulatory requirements and industry standards for safety in materials management

Day 5: Operational Procedures and Continuous Improvement

- Key operational procedures for effective raw material storage and handling
- Strategies for monitoring and optimizing storage and handling operations
- Techniques for fostering a culture of continuous improvement in materials management

Course Methodology:

A variety of methodologies will be used during the course that includes:

- (30%) Based on Case Studies
- (30%) Techniques
- (30%) Role Play
- (10%) Concepts
- Pre-test and Post-test
- Variety of Learning Methods
- Lectures
- Case Studies and Self Questionnaires
- Group Work

Course Fees:

To be advice as per course location. This rate includes participant's manual, Hands-Outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Certificate:

International Center for Training & Development (ICTD) will award an internationally recognized certificate(s) for each delegate on completion of training.

Course Timings:

Daily Course Timings:

08:00 - 08:20	Morning Coffee / Tea
08:20 - 10:00	First Session
10:00 - 10:20	Coffee / Tea / Snacks
10:20 - 12:20	Second Session
12:20 - 13:30	Lunch Break & Prayer Break
13:30 - 15:00	Last Session