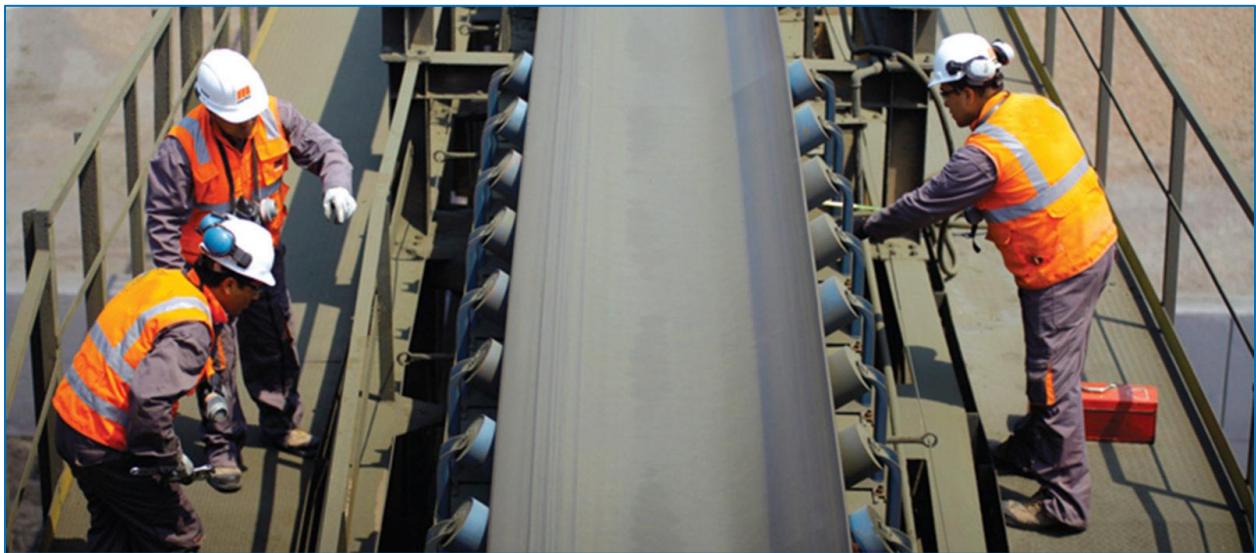




ME216: Belt Conveyor Maintenance and Safety

Training Description:

This intensive training course offers comprehensive training on the maintenance and safety practices associated with belt conveyors in industrial settings. Participants will learn about the design, operation, maintenance, and safety considerations of belt conveyors, along with best practices for ensuring efficient operation and minimizing hazards.

The training course will highlight:

- **Understanding Belt Conveyor Systems:** Gain knowledge of belt conveyor components, design principles, and operational parameters.
- **Maintenance Practices:** Learn about routine maintenance tasks, troubleshooting techniques, and inspection procedures for belt conveyors.
- **Safety Protocols:** Understand safety hazards associated with belt conveyors and how to implement safety measures to prevent accidents.
- **Emergency Procedures:** Familiarize with emergency response protocols and procedures for dealing with conveyor-related incidents.
- **Regulatory Compliance:** Acquire awareness of relevant safety regulations and standards governing belt conveyor operations.

Training Objectives:

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

- ✓ Have a comprehensive understanding of belt conveyor systems, including design, operation, and maintenance
- ✓ Perform routine maintenance tasks and troubleshoot common conveyor problems effectively
- ✓ Understand safety hazards associated with belt conveyors and implement safety measures to prevent accidents
- ✓ Know emergency response protocols and procedures for dealing with conveyor-related incidents
- ✓ Acquire awareness of relevant safety regulations and standards governing belt conveyor operations

Training Designed for:

This training course is intended for Maintenance Technicians, Plant Operators, Safety Officers, Facility Managers, Maintenance Supervisors, Conveyor Operators, and Anyone involved in the operation, maintenance, or safety management of belt conveyors.

Training Requirement:

“Hand’s on practical sessions, equipment and software will be applied during the course if required and as per the client’s request.”

Contents can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client’s learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Program:

FIVE DAYS:

- ❖ **Introduction to Belt Conveyors**
 - Overview of belt conveyor systems: components, types, and applications
 - Operational principles: conveying bulk materials, loading and unloading processes
 - Importance of belt conveyor maintenance and safety
- ❖ **Belt Conveyor Design and Components**
 - Design considerations: belt types, idlers, pulleys, and drive systems
 - Types of conveyor belts: at belts, troughed belts, and sidewall belts
 - Components and accessories: cleaners, scrapers, skirtboards, and impact beds
- ❖ **Routine Maintenance Tasks**
 - Belt tensioning and tracking procedures
 - Inspection and lubrication of conveyor components
 - Monitoring belt wear and damage
- ❖ **Troubleshooting and Repair**
 - Identifying common conveyor problems: misalignment, mistracking, belt slippage, and excessive noise
 - Troubleshooting techniques and corrective actions
 - Repair and replacement procedures for damaged components
- ❖ **Safety Hazards and Risk Mitigation**
 - Common safety hazards associated with belt conveyors: pinch points, entanglement, fall hazards, and material spillage
 - Safety guarding requirements and best practices
 - Lockout/tagout procedures for maintenance and repair activities
- ❖ **Emergency Response and Evacuation**
 - Emergency stop systems and procedures
 - Evacuation protocols in the event of conveyor-related incidents
 - First aid and rescue procedures
- ❖ **Safety Training and Awareness**
 - Importance of safety training for conveyor operators and maintenance personnel
 - Promoting safety culture and awareness in the workplace
 - Conducting safety audits and inspections
- ❖ **Regulatory Compliance**
 - Overview of relevant safety regulations and standards (OSHA, ANSI, etc.)
 - Compliance requirements for belt conveyor operations
 - Documentation and record-keeping practices
- ❖ **Course Conclusion**
- ❖ **POST-ASSESSMENT and EVALUATION**

Training Certificate(s):

CMCT Internationally recognized certificate(s) will be issued to each participant who completed the course.

Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Gamification, Software & General Discussions
- Pre and Post Test

Training Fees:

TBA as per the course location - This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

Training Timings:

Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:00	Recess (Prayer Break & Lunch)
13:00 - 14:00	Last Session

For training registrations or in-house enquiries, please contact:

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