



Building Erection Essentials for Construction Management

Course Introduction:

This course is designed to provide participants with a comprehensive understanding of the principles, processes, and best practices necessary for successful building erection. As construction projects become more complex, mastering the essential skills of building erection is vital for ensuring timely completion, structural integrity, and safety.

Throughout the course, participants will explore key topics such as project planning, structural systems, safety protocols, and quality assurance. By examining case studies and industry standards, attendees will learn how to effectively manage the building erection process, addressing potential challenges and ensuring compliance with regulations. This course aims to equip professionals with the knowledge and skills necessary to enhance their capabilities in construction management, ultimately contributing to the successful execution of building projects.

Course Objectives:

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

- Understand the fundamental principles of building erection in construction management.
- Learn about various structural systems and their implications for erection processes.
- Explore project planning and scheduling specific to building erection.
- Analyze safety protocols and risk management strategies during the erection phase.
- Develop quality assurance processes to ensure structural integrity and compliance.

Who Should Attend?

This course is intended for Project managers and coordinators in the construction industry, Construction site supervisors and foremen, Structural engineers and architects and Safety and compliance officers.

Course Outline:

Day 1: Introduction to Building Erection

- Overview of building erection: definitions and significance
- Key phases of the building erection process
- Types of structures and their specific erection requirements

Day 2: Structural Systems and Design Considerations

- Understanding different structural systems: load-bearing vs. framed structures
- Design considerations impacting erection methods
- Importance of collaboration between architects and structural engineers

Day 3: Project Planning and Scheduling

- Importance of project planning in building erection
- Developing schedules and timelines for erection activities
- Resource allocation and management during the erection phase

Day 4: Safety Protocols in Building Erection

- Key safety considerations during the erection process
- Overview of safety regulations and industry standards
- Strategies for risk assessment and hazard mitigation

Day 5: Quality Assurance in Building Erection

- Importance of quality assurance in ensuring structural integrity
- Techniques for monitoring and evaluating erection quality
- Compliance with industry standards and regulatory requirements

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.

المركز العالمي للتدريب والتطوير
International Centre For Training & Development

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