

Lift Planning Procedure, Considerations & Execution

Course #805 Lift Planning Procedure, Considerations & Execution

This course prepares participants to undertake lift planning activities through analysis of industry best practices for procedure, management, and risk mitigation. Course duration includes lectures, reading assignments, exercises and exams. This course is accredited by LEEA and approved by ASME for Continuing Education Units (CEUs) in compliance with the IACET Standard.

Lesson 1: Introduction to Lift Planning

Topics

Major Considerations; 8 Consideration Points; Analyzing Risk; Modularization; Human Performance Management

Objectives

- Analyze a lift plan through a strenuous safety framework.
- Develop a risk assessment table, which includes hazard elimination and risk mitigation methods.
- Design a lift planning policy.
- Evaluate the trend of modularization and when modular construction and installation is optimal.
- Optimize load modularization methods.

Lesson 2: Building Lift Plans

Topics

Major Considerations; Load Handling Roles & Responsibilities; Load Handling Factors; Preparing a Lift Plan; Lifting Personnel; Lift Planning Meeting; Lift Planning Software Overview

Objectives

- Identify the responsibilities of personnel involved in lift planning and load handling activities based on regulations and standards.
- Determine responsibility based on the OSHA 29 CFR 1926.1400 regulation and the ASME P30.1 Lift Planning Standard.
- Analyze the 10-points of lift planning framework found in the ASME P30.1 Standard.
- Decide which lift planning software to utilize based on project requirements.

Lesson 3: Executing Lift Plans

Topics

Engineering Considerations; Crane Accident Studies and Statistics; Accident Analysis and Case Studies

Objectives

- Employ statistical analyses to determine the risk of load handling activities to reduce crane and rigging accidents.
- Evaluate accident categories to better mitigate the likelihood of incident and major areas.

Powered By



Course content developed by ITI, the leader in crane & rigging training.