

## **Pendant Crane Operators & Signallers / Slingers**

### **1½ Day Course**

**Course Aims:** This course is designed for all persons who will operate pendant cranes and perform slinging and signalling.

#### **Introduction and Setting Course Objectives**

#### **Summary of Lifting Accident Causes**

Review of accident causations arising out of the use of cranes.

#### **Overview of the Lifting Operations and Lifting Equipment Regulations 1998**

Understanding the development of the regulations and the legislation that has been replaced. Outline of the regulations. What the regulations intend to achieve. Key definitions. Explanation of the application of the regulations. Relationship with other regulations, particularly PUWER '98.

#### **Inspection and Capability of Lifting Appliances**

Standards to be met with ropes, hooks, chains and chain shortening clutches, steel wire rope, web slings and single leg and endless slings, cargo nets, eye bolts, plate clamps, spreader bars and proprietary lifting equipment. Inspection records.

**Practical Exercise:** Inspection of lifting appliances.

#### **Slinging / Rigging Theory**

Assessment of loads. Centre of gravity. Selection of lifting equipment. Means of attaching slings. Sling angles and the effect on safe working load.

#### **Use of Signals**

#### **Safe Use of Overhead Cranes**

Pre-use checks. Theory of safe operation. Use of controls. Dealing with obstructions, swinging loads etc. Parking the crane.

**Practical Exercises:** Use of lifting appliances to sling loads with overhead gantry cranes, including assessment of loads.

#### **Course Review and Conclusion.**

Upon completion of the course delegates should be able to-

- Understand the safety requirements in relation to safe use of overhead gantry cranes and accessories for lifting,
- Know the necessary thorough examination and inspection régimes,
- Sling a variety of loads correctly using pendant cranes.

**Maximum number of delegates: 8**