



# Fulford

## CERTIFICATION

### Advanced Rigging Content Overview

#### Rigging Calculations

- Calculate complex load weight
- Calculate complex COG's
- Share of load calculations
- Sling tension calculations
- Tension calculations for unequal sling length and uneven pick points

#### Radio Communications

- Radio system requirements
- Give voice commands using 3 required elements

#### Blocks & Reeving

- Pulleys and mechanical advantage
- Calculating lead line and anchor loads
- Correct reeving practices
- Inspection of the block

#### Wire Rope

- Different types of wire rope construction and their advantages/weaknesses
- Correct application of manual wire rope terminations (clips, wedge sockets)

#### Below the Hook Devices

Inspection & correct use:

- Spreader bars
- Lifting beams
- Plate clamps
- Man basket rigging

#### Crane Knowledge

- Crane components
- Site set-up requirements
- Limits of approach for electrical lines
- Load chart exercise

#### Alternate Lifting Devices

Inspection & operation:

- Lever hoists (come along)
- Chain falls
- Winches & snatch blocks

#### Load Turning and Load Drifting

- Rigging a load for turning
- Procedure for drifting a load with two manual chain hoists including calculation of maximum hoist tension