OVERVIEW
To teach operatives the principles of passenger and goods lift examinations and maintenance

On completion of the 5 day course, delegates will be conversant in the principles and practices of goods lift examination and maintenance.

COURSE CONTENT

 **Statutory Requirements:**
  - The Health & Safety at Work Act 1974
  - Section 2: General duties of Employers
  - Section 7 & 8: General duties of Employees
  - The Provision & Use of Work Equipment Regulations 1998 (an overview)
  - The lifting Operations & Lifting Equipment Regulations 1998 (an overview)
  - British Standard 7255 2001 Safe working on lifts

 **Wire Ropes:**
  - British standard 329: 1968 Steel wire ropes for electric lifts, rope design & construction
  - Rope lay
  - Rope cord
  - Fatigue & wear – broken wires
  - Lubrication
  - Rope terminations
  - Safety factors
  - Methods of inspection

 **Mechanical Operation:**
  - Landing doors & trap doors
  - Braking systems (Electro-mechanical)
  - Car & counterweight
  - Diverter pulleys & sheaves
  - Gears & sprockets
  - Suspension, compensation safety gear & overspeed governor
  - Drum grooving
  - Shafts, bearings, worm & other gearing guides & buffers

 **Electrical Operation:**
  - Power circuits – safety circuits
  - Contactors – relays – switches
  - Landing & car door interlocks
  - Motors, stopping & slow down devices
  - Emergency alarm
  - Overload detention devices

 **Hydraulic Operation:**
  - Hydraulic systems, motor & pump
  - Control valves, balanced distributor
  - Hydraulic oil, rams
  - Pipe rupture valve

 **Practical Inspection:**
  - Lift maintenance schedule
  - Fault recognition and rectification
  - Reporting systems
  - Practical inspection mechanical
  - Practical inspection electrical

 **Emergency Procedure:**
  - Practical release of persons trapped in lift car

 **Assessment:**
  - Theoretical and practical examination of course delegates
  - Course summary
  - Review & discussion

WHO WILL BENEFIT
This course is for Examination and Maintenance Inspectors

DETAILS

PPE REQUIRED
Hard Hat, Gloves, High Vis Jacket/Vest and Boots, any other site requirements

Maximum No. of Delegates: 6