

# LIFT & ESCALATOR INDUSTRY ASSOCIATION

## Introduction to Lift Technology (Unit 1)

### Course Content



#### Terminology

#### The Traction Lift Installation

- A.C. Motors For Traction Lifts
- Braking
- Counterweights

#### The Hydraulic Lift Installation

- Arrangements Of The Jack In The Lift Well
- Principles Of Jack Operation
- Suspension Ropes And Chains
- Precautions Against Free Fall And Descent With Excessive Speed

#### Buffers

#### Overspeeding And Suspension Rope Failure

- Safety Gear
- Progressive Safety Gear
- Triggering Mechanism For Safety Gear
- Location Of The Safety Gear
- Counterweight Safety Gear
- Overspeed Governor

#### Lift Car

- Construction

#### Entrances

- Entrances, Type And Construction
- Doors & Door Protective Devices

#### Travelling Cables And Wiring

- Types Of Travelling Cable And Their Construction

#### Lift Control And Power Systems

- Power System
- Call Logic System

#### Lifts In Relation To The Built Environment

#### Health And Safety