LIFT & ESCALATOR INDUSTRY ASSOCIATION
ETF4 Advanced Lift Technology - Electrical

Course Content

A.C. LIFT MOTORS
- Construction of A.C. Lift Motors
- Dynamic Braking
- Use of Flywheel to Control Acceleration
- Alternative Types of A.C. Motor
- Faults in A.C. Lift Motors

BRAKING
- Speed, Load and Braking Accuracy
- Dynamic Braking

THE D.C. LIFT MOTOR
- Construction of d.c. Lift Motors
- DC Motor Operation

Gearless Lift Machines
- Speed Control of Gearless d.c. Machines
- The Brake

THE WARD LEONARD SYSTEM OF VARIABLE VOLTAGE CONTROL
Field Regulators
- Open-loop and Closed-loop Systems
- Basic Function of a Field Regulator

TRAVELLING CABLES AND WIRING
- Types of Travelling Cable and their Construction
- Suspension of the Travelling Cable

LANDING APPROACH SIGNALS, ENTRANCES AND RELATED EQUIPMENT
- Locking of Landing Doors
- Automatic Power Operated Doors

LIFT CONTROL COMPONENTS