• ILEVE has been established to promote competence in the practical application of local exhaust ventilation.

• Competence is achieved through a combination of experience, training & qualifications.
• Currently there is not a defined professional training path for LEV professionals to work towards during their career

• Little information about what training & experience should be provided is available to those organisations that provide LEV services and employ LEV professionals
Users of LEV services have difficulty identifying competent suppliers of services such as:

- LEV Design
- LEV Installation
- LEV Commissioning
- LEV TExT
- LEV Maintenance
• LEV professionals and their organisations have difficulty identifying an industry standard of competence when assessing the professional progress of their own staff or recruiting new employees - other than simply looking for qualifications which are mainly based on a 3 or 4 day course and offer no assurance about day to day competence.
LEV Competency Matrix

• This identifies various strands or areas in which individuals should be competent and categorises which items should be part of the competency mix and at which level for the different roles within the LEV Industry

• Individuals seeking to become more professional, their employers and their clients can all easily see how much knowledge is required and how in depth it should be
Roles on the Matrix (1)

- The Employer (System Owner)
- Employer’s plant supervisor and operators
- Employer-appointed LEV Responsible Person
- LEV Project Manager
- LEV Designer
- Client or Specifier for client
- Occupational Hygienist – LEV specialist
Roles on the Matrix (2)

• Supplier(s) of LEV Systems & Equipment
• Manufacturer(s) of Components common to LEV & Other Fields
• Installation Contractor (Mechanical)
• Installation Contractor (Electrical)
• Specialist Contractors
Roles on the Matrix (3)

- LEV Commissioning Engineer
- LEV Trainer
- LEV Maintenance Engineer
- LEV TExT Engineer
- LEV Sales
Matrix Competency Areas (1)

- Roles & Responsibilities
- Hazards Recognition
- The Hierarchy of Control
- Properties of airborne contaminants
- Processes and sources
- Hazardous substances generated during process
- LEV Sustainability
Matrix Competency Areas (2)

- LEV equations & calculations
- Air Clearance Time
- Waste recycling
- LEV discharge
- Explosion relief (ATEX)(DSEAR)
- LEV Filters, Cleaners or arrestors, Wet & Dry
- Legionella Risk in Wet Collectors
Matrix Competency Areas (3)

- Recirculation
- LEV Tenders and Quotations Selecting a control benchmark
- Selecting a control requirement
- Design criteria
- Hood design and application
- Ergonomics of the design
Matrix Competency Areas (4)

• Alarms, Airflow Indicators, Pressure Gauges
• LEV Ducting
• LEV Fans & Movers
• User Manual
• Logbook
• Contents of Thorough Examination and Testing Report
Matrix Competency Areas (5)

- Balancing the LEV system
- Make-up Air
- Ventilation - natural & forced
- Electrical Isolation of the System
- Noise/Vibration
- Documentation (Permits to work, Risk assessments, Method statements)
- Working at Heights
Matrix Competency Areas (6)

- Transport Velocities
- LEV measurements
- Manual Handling
- Asbestos Awareness
- Confined Spaces
- Explaining what data is required from the client and why
Matrix Competency Areas (7)

- Report Comparison and evaluate if the LEV system is still effective
- Report writing
- Reviewing client log books and maintenance records
- Observation & comment on operators work procedures
Matrix Competency Areas (8)

• Consequences of system & duct modifications
• Describe faults, remedies and allocation of time scales
• Verbal explanation of Report to client & operators
Feedback

Feedback is required from all LEV Industry stakeholders as well as ILEVE members to expand the areas of knowledge detailed on the Matrix and identify which existing training addresses these needs thus identifying training gaps.