MONITOR AND CONTROL YOUR LIFTS AND ESCALATORS

KONE E-Link™
KONE E-Link™ enables you to monitor your lift and escalator systems in one or several buildings from one location. It is a full-featured facility management tool designed to secure the best possible tenant service quality, reliability and efficiency of the lifts and escalators in your building. KONE E-Link can also be retro-fitted as a stand-alone supervisory tool to enhance the management of virtually any type of installations, new and existing, as well as connected to non-KONE equipment.

MAXIMISING PERFORMANCE
The system uses the building’s standard Local Area Network (LAN), and the connected lifts and escalators can be monitored and managed via easy-to-use interface on a standard PC. KONE E-Link traffic displays and reports provide an accurate view of the transportation status, demand, traffic performance, and availability of lifts and escalators in the building. This information helps you ensure that the lifts and escalators deliver the best possible performance at all times. Additionally, KONE E-Link has an industry standard interface to Building Management System, to allow easy integration to other facility management systems, if needed.

KONE E-LINK OFFERS THE FOLLOWING BENEFITS:
- Real-time view of equipment status locally and remotely
- Large building complexes or geographically remote buildings can be monitored and managed from a single location
- Traffic history playback of lift and escalator events for event history, security and legal purposes
- Faster reaction to malfunctions, possible vandalism and troubleshooting
- Faster rescue of entrapped passengers
- Local and remote control and command of equipment, scheduled commands like mode changes and lockings
- Easy integration with other facility management systems in the building
- Easy-to-use and intuitive user interface

A COMPLETE VIEW AT A GLANCE

The facility manager has view of the operational status of all lifts and escalators under their management. A variety of reports and statistics are available in real-time.
KONE E-LINK REPORTING FEATURES

The availability report reflects the operational quality of the equipment and the maintenance as a whole. It provides a precise reading of the system's operation, including deviations from the normal operating mode.

KONE E-Link™ enables calls and commands to be issued by an authorised user to individual lifts or groups of lifts. For example, locking each car and hall call buttons either individually or in specified groups is available. The system carries out the locking automatically in accordance with a user-configurable weekly programme.

KONE E-Link offers a comprehensive set of reports in graphical, easy to read format to allow thorough analysis of equipment performance, availability and operational quality. All data can be retrieved and analysed using normal office software tools, such as Microsoft Excel.

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KONE E-LINK MONITORING FEATURES

TRAFFIC MONITORING
Real-time traffic monitoring makes it possible to keep in contact with all lifts and escalators even in a large building. The display can be configured to suit particular needs.

AERIAL VIEW
Maps, aerial photographs and building lay-out drawings can be used as a reference to locate groups or individual equipment over large geographical area or building complex.

DEVIAION MONITORING
Any deviation from normal operation is logged instantly. An audible and visual alert signal is sent to specified monitors to ensure quick attention. Logged events are stored and compiled in a report. The analysis of this information helps the building owner in liability cases and enables building maintenance personnel to react to minor malfunctions and possible misuse or vandalism.

TRAFFIC HISTORY PLAYBACK
The history playback facility is a unique KONE E-Link™ feature. The need for playback may arise due to suspected misuse, reported incidents, or complaints by tenants. This feature facilitates reruns and study of lift and escalator operating events and status changes, as if on a video recorder.

KONE E-LINK COMMANDS

KONE E-Link commands are used to activate and deactivate some of the lift functions, e.g. out of service mode, various types of lift calls – priority, destination etc. Prioritising and controlling of commands by schedule is also available.

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KONE E-Link Playback tool

KONE E-Link Playback tool

KONE E-Link Traffic View

KONE E-Link Traffic View

Deviation monitoring summary showing the operational status of each unit

Deviation monitoring summary showing the operational status of each unit

Close aerial view of the building complex layout with equipment

Close aerial view of the building complex layout with equipment

Number of passengers per time unit

Number of passengers per time unit

Lift availability summary report

Lift availability summary report

KONE E-Link Traffic View

KONE E-Link Traffic View

Setting view

Setting view

Scheduling

Scheduling

Locking landing calls

Locking landing calls
E-LINK FUNCTIONS AND FEATURES
- Traffic monitoring
- Deviation alarms
- Lift and escalator operation reporting
- Operational event history
- Traffic history playback
- Lift calls and commands
- Lift locking
- Remote monitoring
- Scheduled calls and commands

INTERFACE TO BUILDING MANAGEMENT SYSTEM
- OPC Data Access 2.05A

MAXIMUM SYSTEM SIZE
- Total number of lifts: unlimited
- Total number of escalators: unlimited
- Total number of user interface computers: unlimited

MONITORING
- User configurable real time traffic displays
- Status displays
- Building layouts

REPORTS
- Calls per hour
- Calls per floor
- Waiting times per hour
- Waiting times per floor
- Lift availability
- Lift operation summary
- Escalator operation summary
- Number of alarms, alarm log

LIFT STATISTICS
- Number of hall calls
- Hall call time
- Number of starts
- Start load
- Stop time
- Run time
- Cycle time
- Re-levelings
- Number of starts in bank
- Availability
- Operational Time

DOUBLE-DECKER LIFT STATISTICS
- Lower deck load
- Upper deck load
- Both decks serving time

DESTINATION LIFT STATISTICS
- Number of passenger calls
- Waiting time
- Time to destination
- Transit time

ESCALATOR STATISTICS
- Availability
- Run time
- Number of starts
- Number of emergency stops
- Number of disturbances

PLAYBACK
- Display of traffic history
- Linked with operational event history

LIFT CALLS AND COMMANDS
- Car calls
- Priority calls
- Attendant service
- Independent service
- Simplex service
- Out of service
- Special parking
- Scheduling possibility
- Escalator remote control

LIFT LOCKING COMMANDS
- Scheduled locking
- Manual locking

OPERATIONAL EVENT HISTORY
- Alarms
- Deviations
- Status changes

SYSTEM CONFIGURATION
- Languages: call for availability

NOTE!
Lift calls and commands are only available if the corresponding options are ordered with the lift control system.
Not all the corresponding features of E-Link can be obtained when used in conjunction with non-KONE equipment – please check with your local KONE representative.

REFERENCES

CAPITAL AIRPORT – BEIJING, CHINA
The world’s most modern airports, such as Beijing Capital Airport, utilise the latest technology to meet the challenges of transporting over 40 million passengers annually. The 192 lifts and escalators in 900 000 m² area are linked to the KONE E-link™ monitoring system to guarantee high service level and productivity. The OPC interface is utilised to integrate the lifts and escalators to Building Management System.

THE WATERSIDE CONDOMINIUM – SINGAPORE
KONE E-Link is also ideally suited for managing the portfolio of residential buildings. Via VPN Internet access the facility manager can login to KONE E-link from anywhere and enable the remote monitoring of valuable system information in big residential complexes.

ST. OLAV’S HOSPITAL – TRONDHEIM, NORWAY
This transportation solution from KONE is a crucial part in making the complex hospital logistics run.

THE LEADENHALL BUILDING – LONDON, UK
KONE E-Link is used to monitor the performance and traffic of the 28 lifts and 6 escalators in the Leadenhall Building in London. The customer has a keen interest to track the performance and service level of the equipment in this unique, state-of-the-art iconic building.
KONE provides innovative and eco-efficient solutions for lifts, escalators, automatic building doors and the systems that integrate them with today’s intelligent buildings.

We support our customers every step of the way; from design, manufacturing and installation to maintenance and modernisation. KONE is a global leader in helping our customers manage the smooth flow of people and goods throughout their buildings.

Our commitment to customers is present in all KONE solutions. This makes us a reliable partner throughout the life cycle of the building. We challenge the conventional wisdom of the industry. We are fast, flexible, and we have a well-deserved reputation as a technology leader, with such innovations as KONE MonoSpace®, KONE NanoSpace™ and KONE UltraRope®.

KONE employs more than 57,000 dedicated experts to serve you globally and locally.