

KONE E-Link™

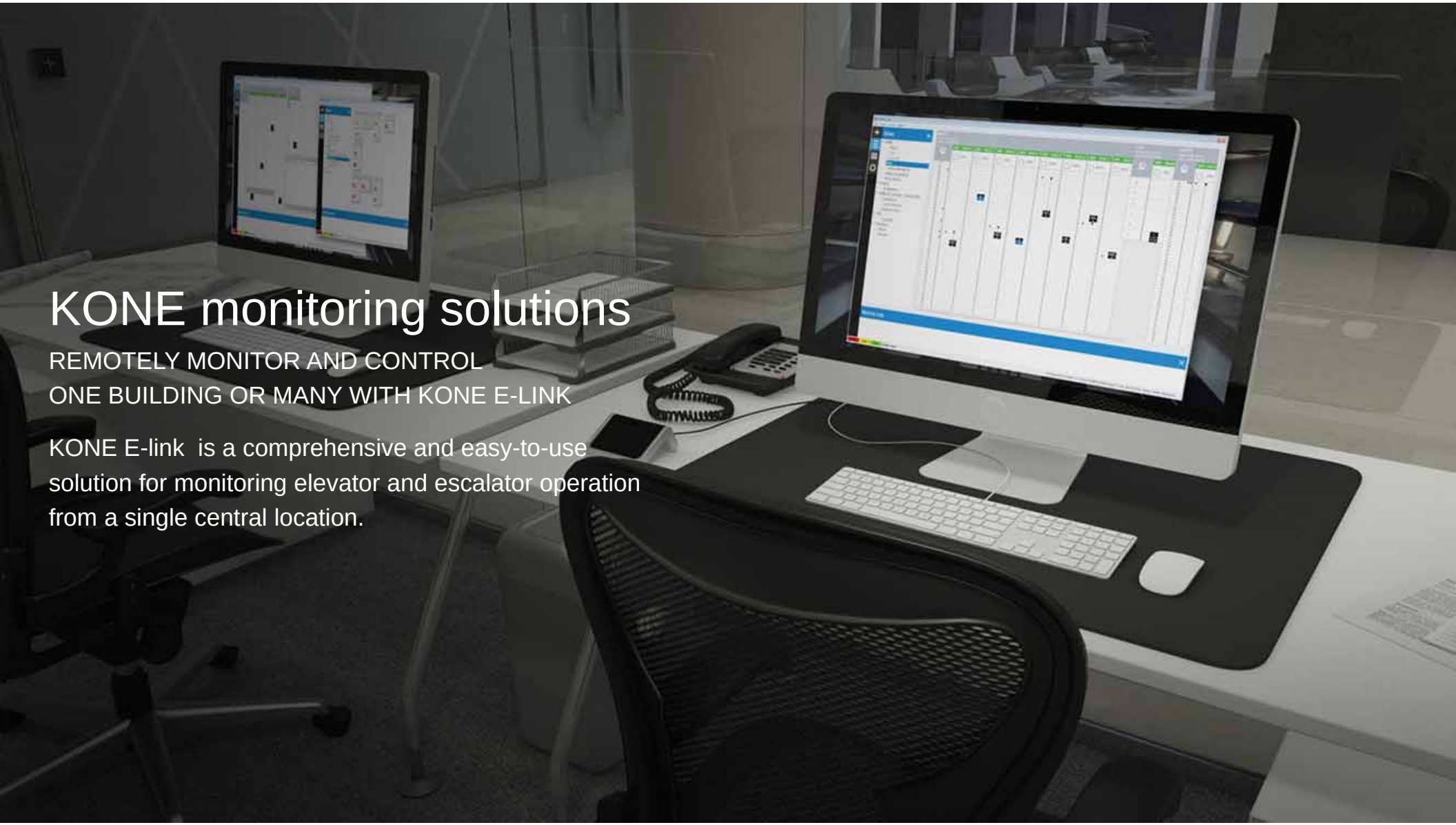
REMOTE MONITORING AND CONTROL SYSTEM FOR ELEVATORS AND ESCALATORS

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- How it works?
- KONE E-Link in use
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KONE monitoring solutions

REMOTELY MONITOR AND CONTROL
ONE BUILDING OR MANY WITH KONE E-LINK

KONE E-link is a comprehensive and easy-to-use solution for monitoring elevator and escalator operation from a single central location.

How it works?

REMOTE CONFIGURATION AND REAL-TIME VIEW OF EQUIPMENT



1

Monitor

Monitor transportation demand, check capacity, and identify possible technical failures for all equipment.



2

Control

Control and shut down equipment remotely.



3

Record

Store data for later analysis.



4

Review

Use a wide set of reports to review and analyze equipment use and availability.

KONE E-link in use

COMPLETE REMOTE MONITORING AND MANAGEMENT FOR ELEVATORS AND ESCALATORS

- Central management tool designed to provide optimum reliability and efficiency for elevators and escalators in a single building or across multiple locations
- Displays and reports provide an accurate overview of transportation demand, traffic performance, and elevator capacity from a single screen
- Helps facility managers ensure that elevators and escalators deliver the best possible performance at all times
- Enables remote activation of out of service mode, when not in use, saving energy



KONE E-Link in use

FEATURES AND FUNCTIONS

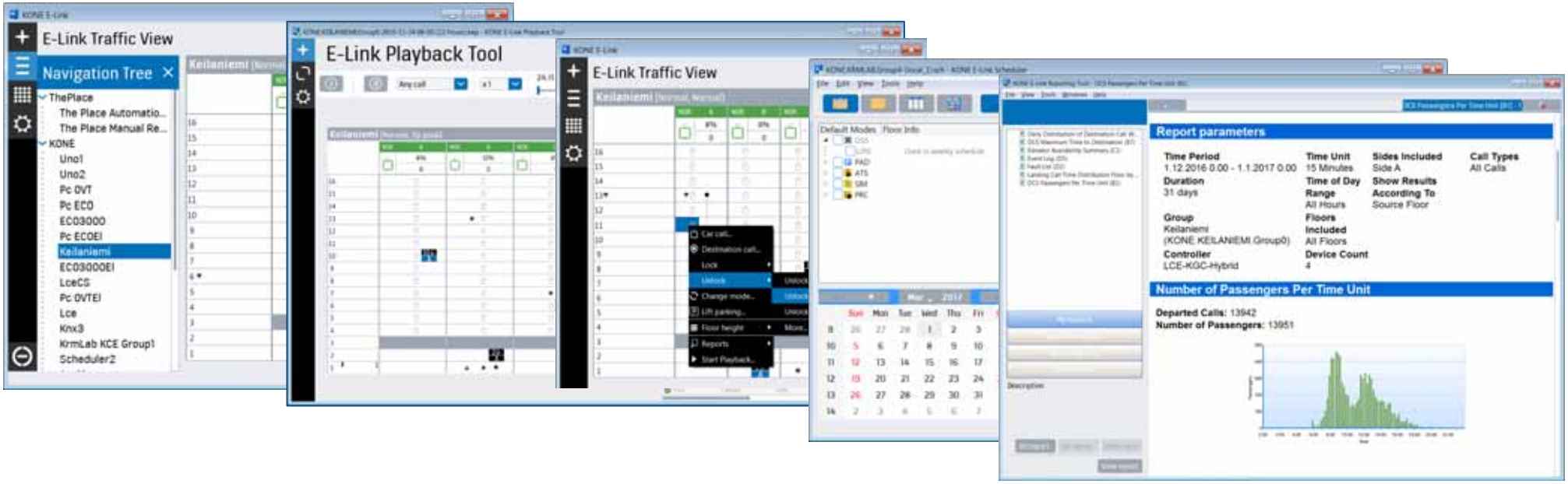
Real-time traffic view for elevators and escalators

Shows the operation for the selected period, the fault log and event log

Activating some of the features, such as car calls, locking of floors etc.

Prioritizing and controlling of commands by schedule

Elevators and escalators operation reporting



TRAFFIC VIEW

PLAYBACK

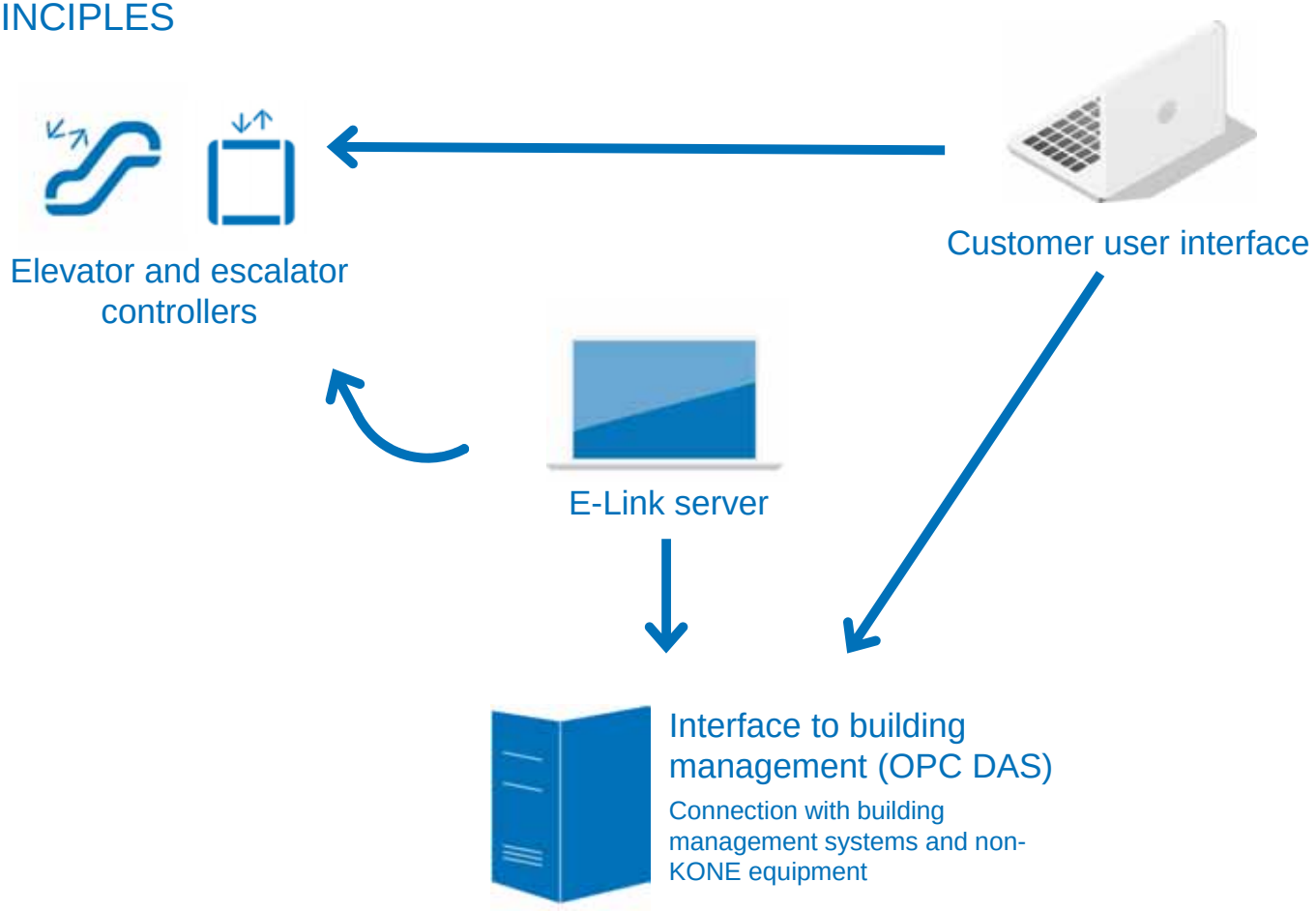
COMMANDS

SCHEDULING

REPORTING

KONE E-Link system

OPERATING PRINCIPLES



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Monitoring

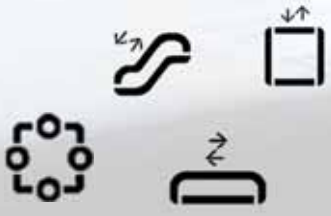
COMPLETE PERFORMANCE MONITORING

Building layout or map can be used as a background reference for easy identification of buildings and groups

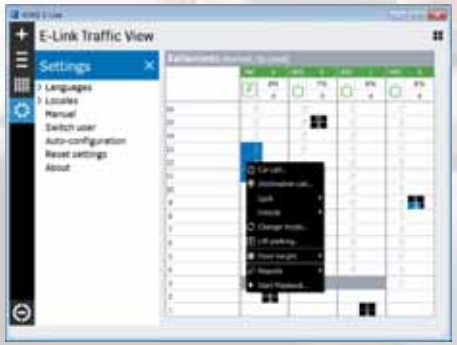




Symbols show the status of the equipment



In the traffic view you can issue commands such as car calls, change the operating mode, define the parking floor, or lock floors out



Monitoring mode provides an extended view for monitoring the status of all equipment via a single screen

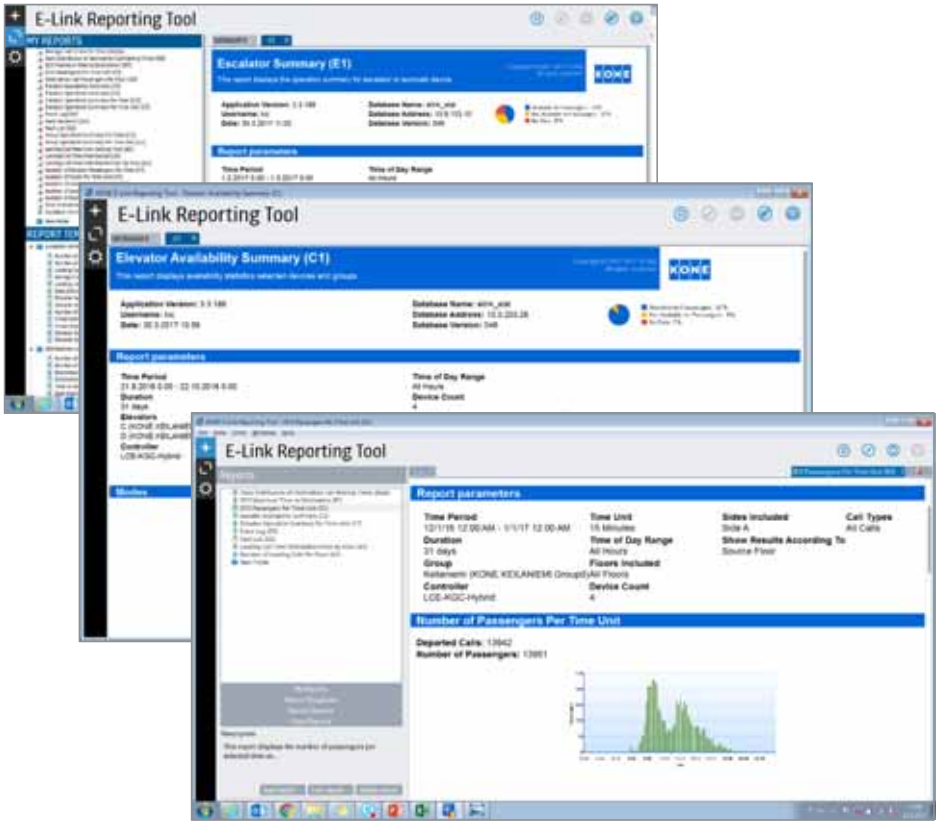


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Reporting

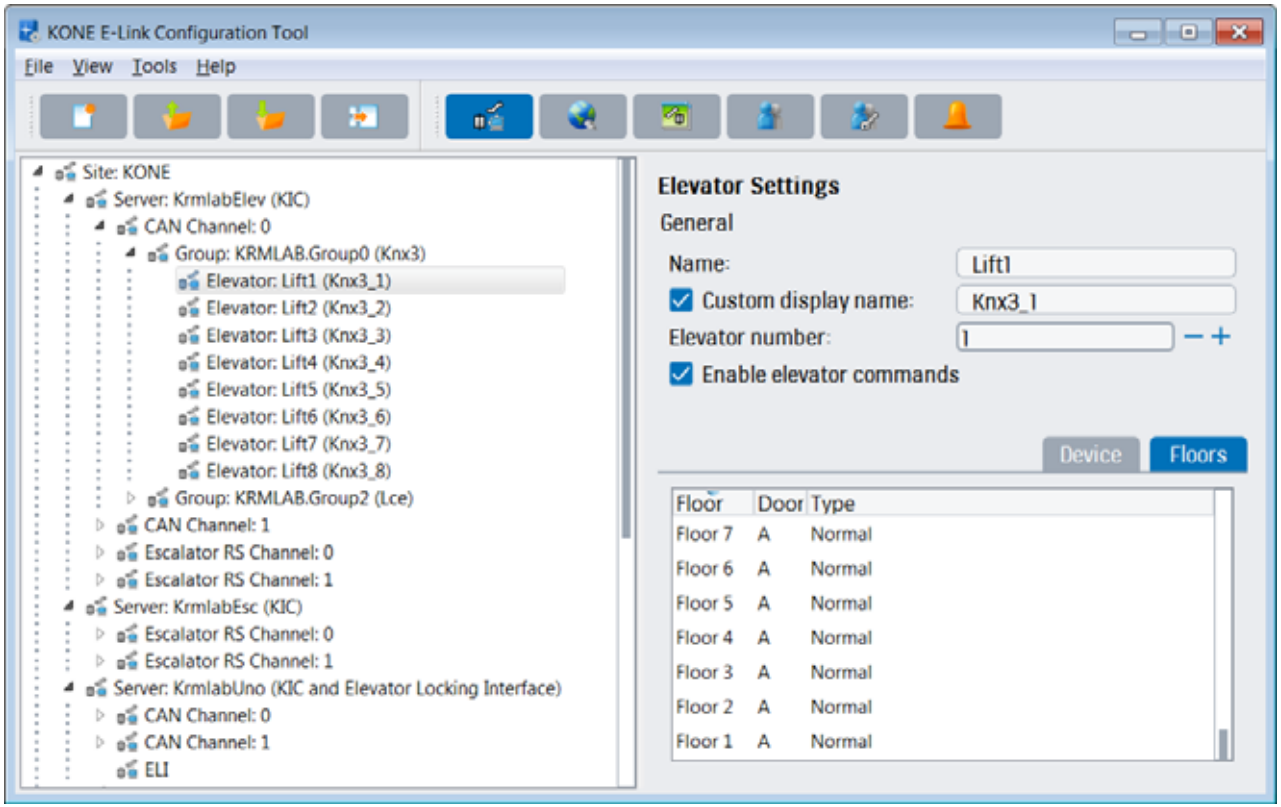
COMPREHENSIVE REPORTING

- Extensive number of reports for data analysis on:
  - Elevators with conventional control
  - Elevators with destination control system
  - Double deck elevators
  - Escalators
- Fault reports
- Data can be exported to Excel and PDF



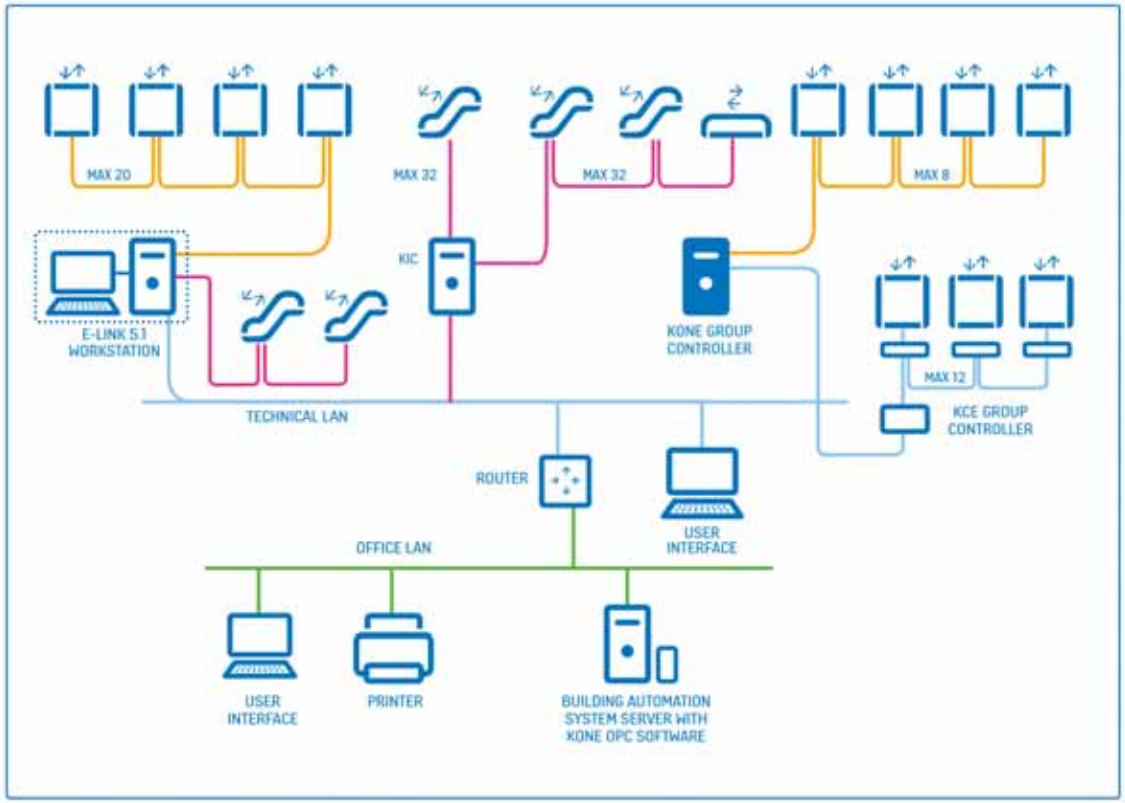
KONE E-Link configuration

CONFIGURING ELEVATORS AND EXCALATORS SETTINGS



Configuration of the KONE E-Link is done by KONE prior to system commissioning to the Customer based on project specification.

System architecture and delivery scope



Delivered by KONE

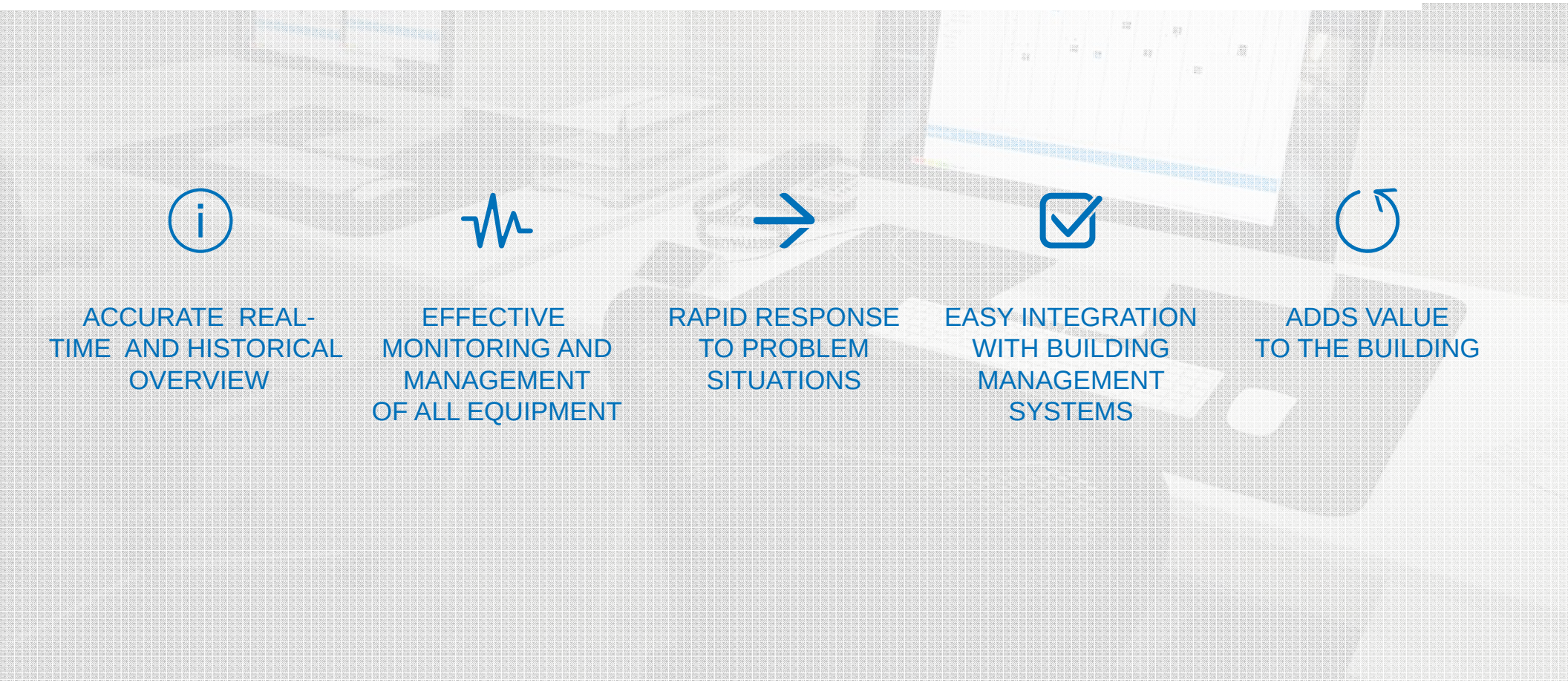
- Network in elevator machine room
- Networks from elevator machine room to elevator shat and landings
- Networks from elevator machine room to elevator car

Delivered by customer

- Networks between elevator machine rooms
- Networks from building control rooms to elevator machine room
- Networks from elevator machine room or building control room to escalators

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Why KONE E-Link?



ACCURATE REAL-TIME AND HISTORICAL OVERVIEW

EFFECTIVE MONITORING AND MANAGEMENT OF ALL EQUIPMENT

RAPID RESPONSE TO PROBLEM SITUATIONS

EASY INTEGRATION WITH BUILDING MANAGEMENT SYSTEMS

ADDS VALUE TO THE BUILDING

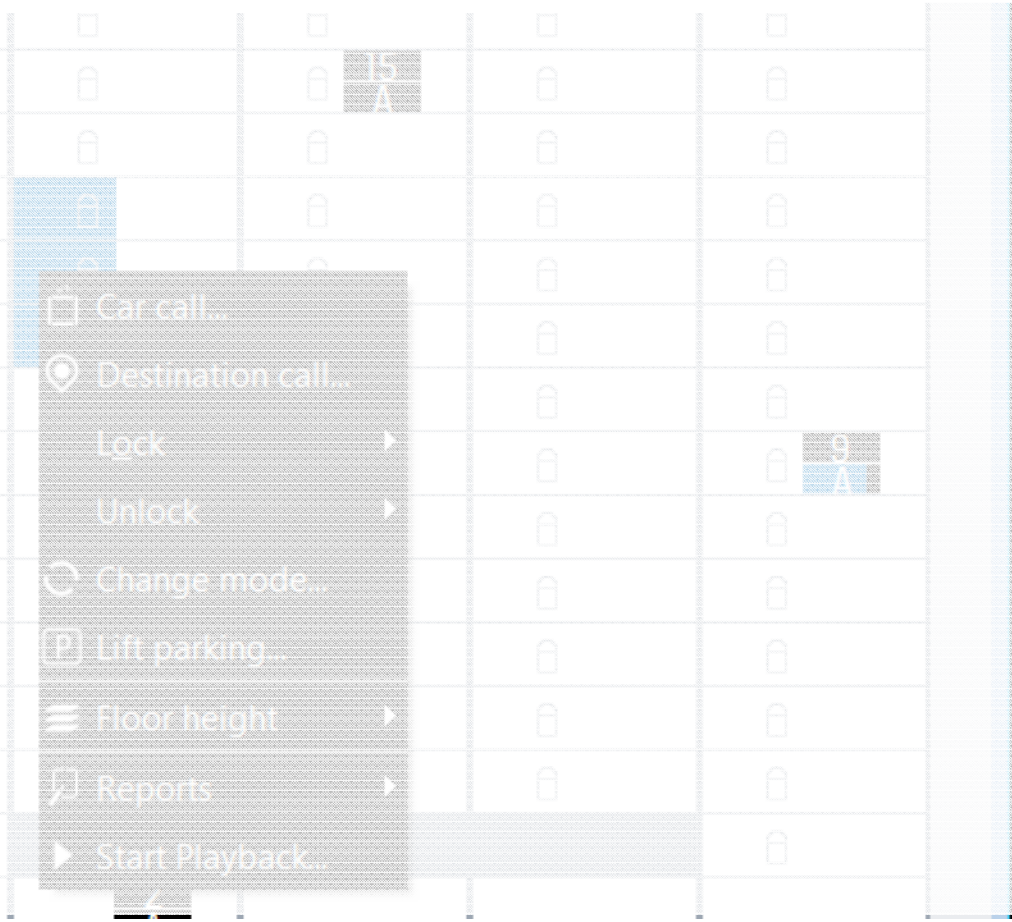
Accurate real-time and historical overview of vertical equipment

- View of the transportation status, demand, traffic, performance, and availability of elevators and escalators in the building, helping to ensure that the equipment deliver the best possible performance at all times.
- Real-time and historical monitoring of how people move vertically
- Archived statistical information for analysis purposes and as evidence in cases where entrapment or tripping leads to liability issues



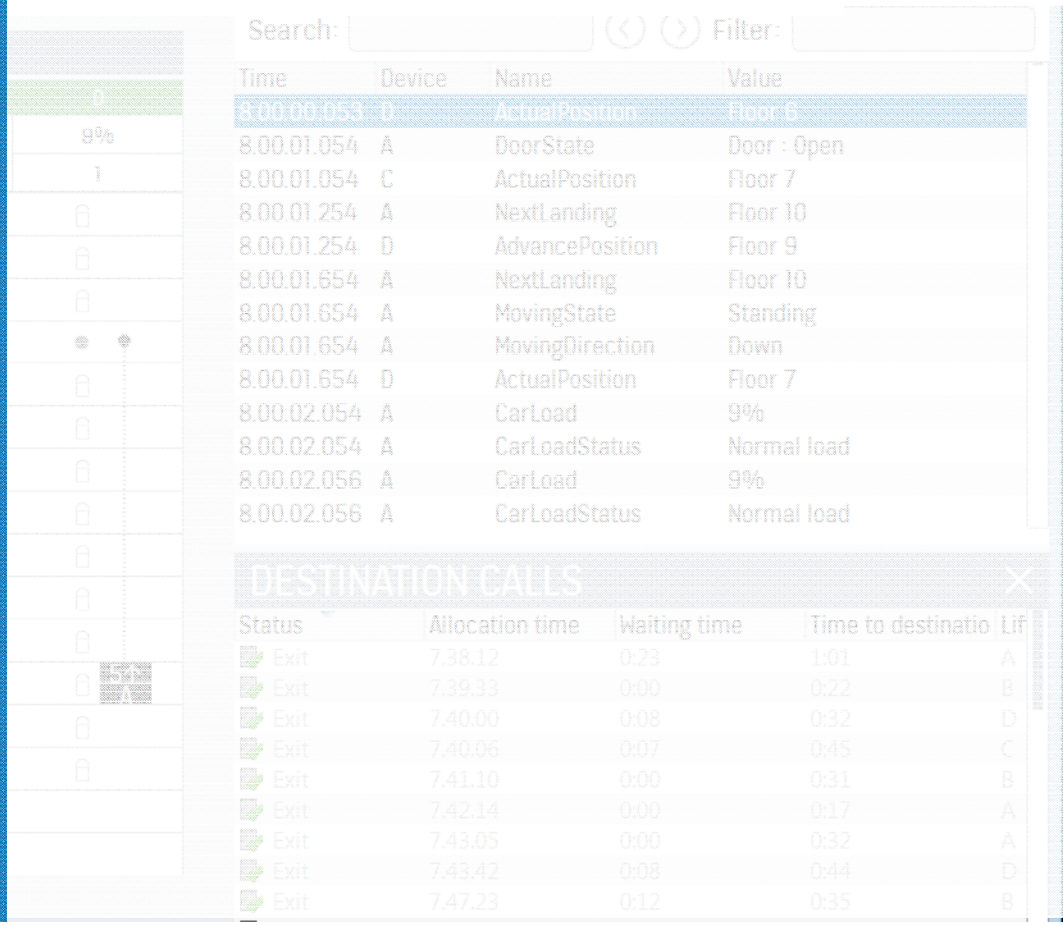
Effective monitoring and management of all equipment

- Not only KONE, but also third-party equipment
- Multiple locations can be monitored and controlled
- All operations can be done remotely
- More flexibility with scheduling of commands, including mode changes and floor lockout
- Access control commands are also available
- Wide range of statistical reports



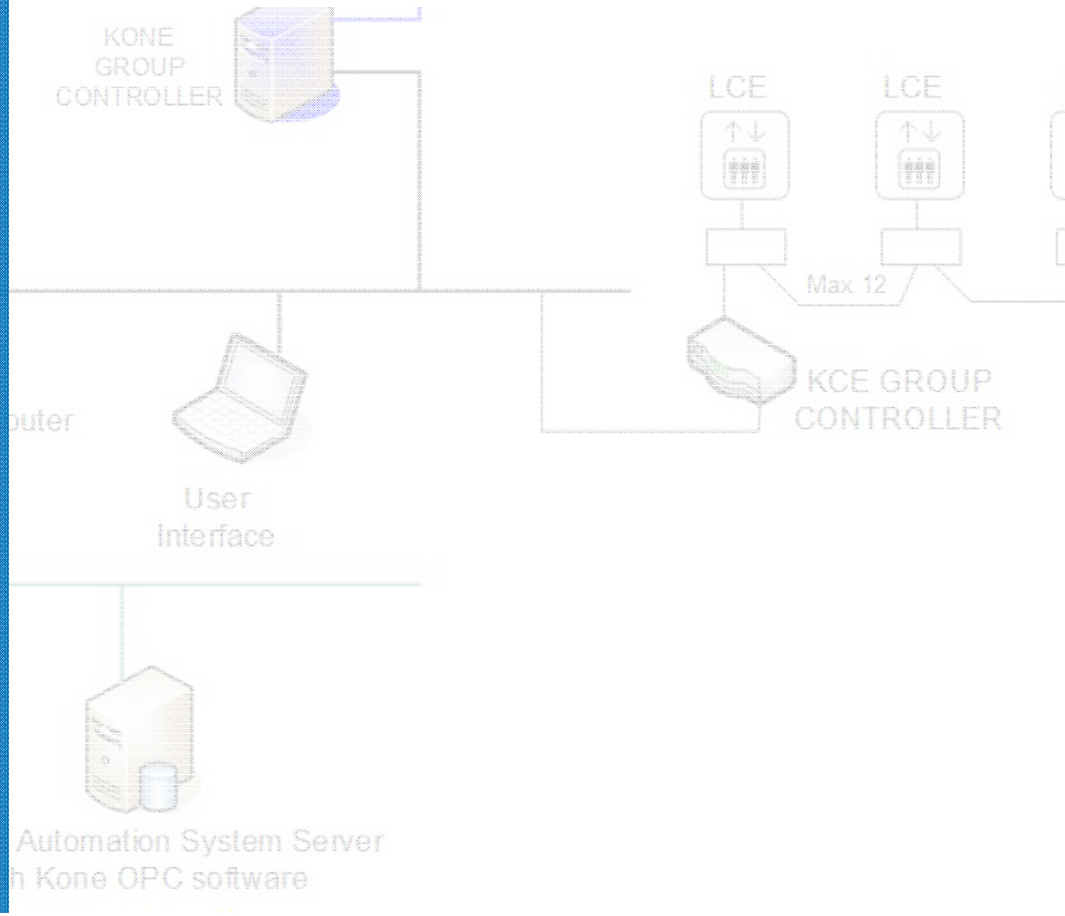
Rapid response to problem situations

- Decrease downtime with real-time alerts
- Speed up troubleshooting with instant access to performance data
- Faster reaction to malfunctions and possible vandalism
- Faster rescue of entrapped passengers



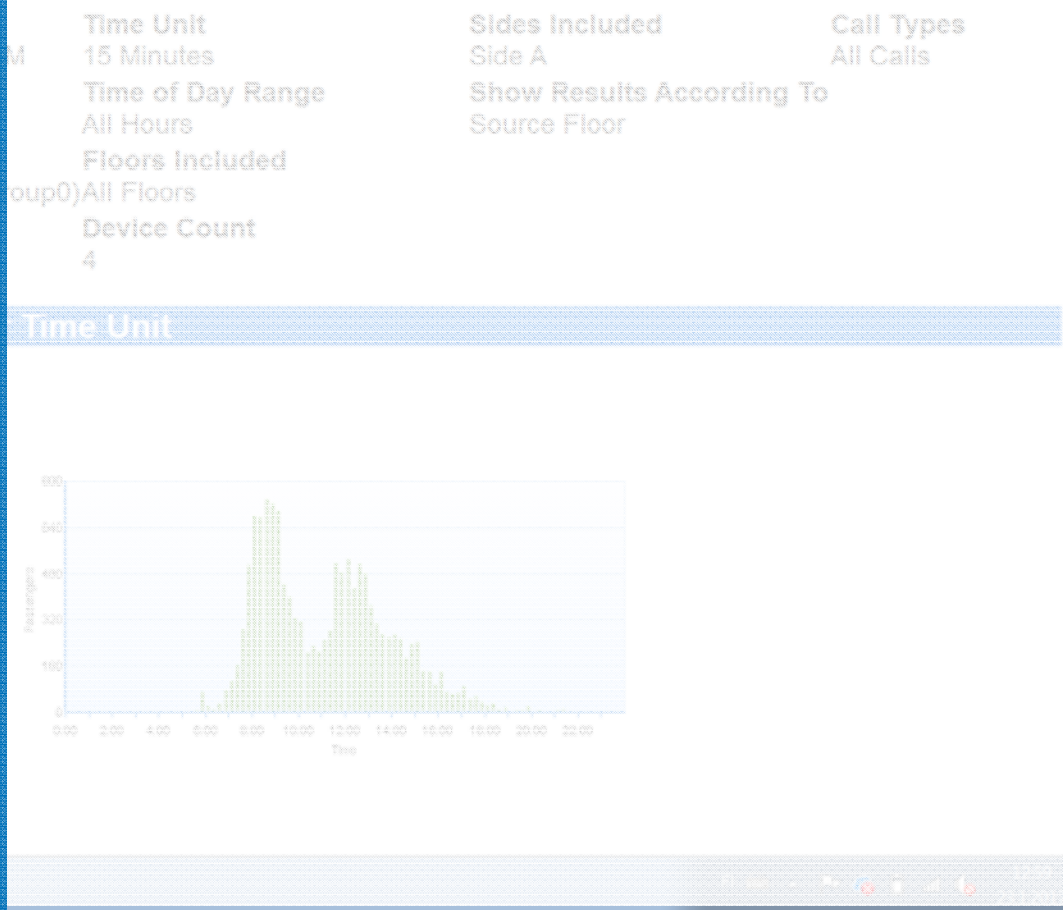
Easy integration with building management systems

- Connection with the building management can be established via OPC, an industry standard interface and building LAN
- Integration with AGV (automatically guided vehicles)



Adds value to the building

- Maximising end-users comfort and safety
- Stored data can be used to reconstruct traffic and equipment status during a specific timeframe for investigation and evidence purposes as well as for improving people flow in the future
- High-tech systems improve image of the building and increase its attractiveness to tenants



Over 3000 references worldwide

- First Rotterdam
  ROTTERDAM, THE NETHERLANDS
- Beijing Capital Airport Extension
  BEIJING, CHINA
- St. Olav's Hospital
  TRONDHEIM, NORWAY
- DOKAAE
  MECCA, SAUDI ARABIA
- Oasis of the Seas, Royal Caribbean International
  STX EUROPE, FINLAND
- International Waterfront Centre & Hyatt Regency
  PORT-OF-SPAIN, TRINIDAD AND TOBAGO
- 201 Bishopsgate / Broadgate Tower
  LONDON, UNITED KINGDOM
- Jem ® Singapore
  SINGAPORE



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Dedicated to People Flow™
KONE