THE DESTINATION CONTROL SYSTEM FOR OPTIMIZED PEOPLE FLOW
Imagine smart, easy-to-use elevators in better organized lobbies. Imagine orderly boarding, uncrowded cars, shorter travel times and fewer unnecessary stops. KONE Destination makes all of this a reality. Simply select a destination floor and enjoy the perfect elevator experience.

Unlike conventional elevator control systems, which only register the desired travel direction, KONE Destination incorporates desired destination floors and the number of waiting passengers to significantly improve elevator convenience and efficiency.

The significantly improved system performance is most evident during intense traffic periods and rush hours, when traditional control systems struggle to cope with the high volume of traffic.

Efficiency, comfort and security
KONE Destination brings benefits for all building stakeholders in all types of buildings, from large office buildings to hotels and residential complexes:

- Increased efficiency for building owners
- Increased comfort and reduced journey times for passengers
- Increased security and peace of mind for residents

KONE Destination can improve the efficiency of your busy elevators by offering:

- smart and easy-to-use elevators
- better organized lobbies
- shorter time to destination
- orderly boarding
- uncrowded elevator cars
- fewer unnecessary stops
- less time spent in the elevator
BENEFITS FOR PASSENGERS THROUGHOUT THEIR JOURNEY

Increased handling capacity
The handling capacity of the elevator group is improved, especially during peak traffic periods such as the morning up-peaks common in office buildings.

Less waiting, fewer intermediate stops
KONE Destination uses the information on the number of travelers and their destination floors to group together passengers with the same destination, leading to shorter transit times and fewer intermediate stops.

Improved comfort
Because passengers choose their destination floor before entering the elevator, they don’t need to struggle through a crowd to press a button inside the elevator car. And because the system knows the journey time from the operating panel to the car, passengers can take their time walking to their assigned elevator.

Enhanced security
KONE Destination enables the elevator system to be integrated with the building’s access control system. Occupants can use access cards and PIN codes, restricting unauthorized use of elevators significantly and adding to the security of the entire building.

Easier accessibility
For people who need more time and space, an accessibility function can be activated with a card reader or a special button. This gives passengers more time to reach the car, longer door dwell times and, because fewer people will be assigned to that car, more space as well.

Greater personalization
KONE Destination can be personalized to further increase passenger comfort. User-specific door times, automatic call allocation to passengers’ home floors and audible passenger guidance all help make the KONE Destination experience a uniquely personal one.

Additional guidelines
The optional elevator destination indicator shows the selected destination floors. Only destinations from a passenger’s departure floor are shown, enabling them to quickly recheck that they are entering the right car.

More space
Because KONE Destination assigns the correct number of passengers to each elevator and each car only serves a specific range of floors, cars are much less likely to become crowded.
ALL IT TAKES IS THREE SIMPLE STEPS

1 SELECT your destination floor

The display will tell you which elevator has been assigned to you.

2 MOVE to your elevator

Approach the designated elevator.

3 ENJOY the journey

Travel to your destination quickly and comfortably.
MODERNIZE YOUR BUILDING FOR BETTER PERFORMANCE

KONE MODERNIZATION INTERFACE

Building upgrade
For every phase of your building’s life cycle – whether experiencing competition from newer neighbors, facing major changes in usage or service requirements, or an increase in tenants – KONE is committed to supporting your business. With KONE Destination you can bring your elevator performance up to the highest level – and, thanks to our smooth staged installation process, with minimal disturbance and building downtime.

During elevator modernization, you might expect people flow capacity to decrease when elevators are out of service or there are both old and new elevator groups operating in the same lobby area. With the KONE Modernization Interface, you can eliminate capacity decrease during modernization and even increase people flow capacity during the project.

How it works
The KONE Modernization Interface is a temporary high-level group control for use during modernization. It is compatible with both old and new elevator systems and its basic function is to allocate landing calls between the new, modernized elevators and the old elevator system. The interface gives priority to the new elevators, maximizing the use of elevators with the highest people flow capacity and lowest energy consumption. Passengers use common destination operating panels (DOPs) for calling both old and new elevators.

The modernization process
The first step is to convert the existing elevator group to a destination control system to increase its handling capacity. This is done before any elevator modernization and consists of installing a new group controller, new call interfaces and signalization devices. Most of the work can be done in the background to minimize the disturbance to users. This time can also be used to inform elevator users of the coming changes.

Depending on the installation, individual elevators may be out of service for only a few hours when connecting them to the KONE Modernization Interface. The interface uses the final modernized elevator components, such as the KONE group controller and communication network, which keep costs low.

KEY BENEFITS

Improved traffic capacity
- Increases handling capacity during modernization with benefits of destination control system
- Improves call allocation between old and new elevator groups

Minimized disturbance
- KONE Modernization Interface is modular, resulting in short installation times
- Minimized out-of-service time when setting up interface system

Usability
- Consistent user interface at landing
- Common landing stations for old and new elevators
- Smooth transition from conventional control to destination control

Eco-efficiency
- Energy consumption decreases step by step during modernization
- Calls allocated mainly to new, more energy-efficient elevators

Compatibility
- Can interface with most types of existing elevator controls
- Compatible with destination control systems (DCS) and full collective systems
- For different group sizes (three or more elevators)
- Compatible with machine room and machine room-less elevators

Examples of group handling capacity with and without Modernization Interface in a DCS modernization
With conventional collective control systems, passengers wait in a crowd then rush into the first car that arrives. They also crowd around the car operating panel to select their destination floor. Those traveling to higher floors are delayed by several intermediate stops.

With KONE Destination passengers select their destination before entering the lobby area and are guided directly to the dedicated car. A limited number of other passengers within a specific range of floors are assigned to the same car. Boarding is calm and orderly, and travel times are minimized.

The KONE Destination minimizes the number of intermediate stops by grouping passengers intelligently. This leads to shorter journey times and better handling capacity compared to conventional full collective elevator systems.
KONE Destination combines innovative technology with attractive signalization alternatives. This combination increases comfort and security, while enhancing architectural freedom and the visual appearance of your building’s lobby.
Touchscreen Destination Operating Panel – Four (4) Standard User Interfaces Available

In California, the design may differ from what is shown. Please consult your KONE Sales Professional for details.

Destination Operating Panel (DOP)

Active Jamb-mounted Destination Indicator

Destination Indicator

Elevator Identifier - Flush Mounted

Elevator Identifier - Pyramid

*Available in Passive and Active

*Available in Passive and Active.
KONE Destination is available in two configurations – hybrid or traditional

**Hybrid configuration**

With the hybrid configuration, the destination operating panels are located only on the main floors, while other floors have conventional landing signalization. Cars have a conventional car operating panel.

This configuration is particularly beneficial in the buildings with big inter-floor traffic and for improving traffic flow from heavily used floors like the main entrance floor. It is very useful in buildings with heavy up-peaks and buildings with large mid-building restaurants.

For modernization projects, this configuration is a highly cost-effective way to improve traffic flow in buildings with up-peak deficiencies.

**Traditional configuration**

With the traditional configuration, the destination operating panels are on all floors and consequently there are no buttons on the car operating panel.

As the system receives complete passenger origin and destination information from all floors, it is able to provide the best service for all traffic conditions – the up-peak, the lunchtime rush, and the down-peak, as well as quieter periods.

This system is recommended for more complex buildings, for example:
- where not all elevators serve the same floors
- with complex lobby arrangements (more than elevators in a row, circular or L-shaped lobbies)
- with high traffic peaks.
A WIDE RANGE OF FEATURES AND DEVICES

Control Hardware

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Hybrid/Traditional</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Group Size</td>
<td>12</td>
</tr>
<tr>
<td>Max. Landings</td>
<td>126</td>
</tr>
<tr>
<td>Signalization</td>
<td>KSS – Full Range</td>
</tr>
</tbody>
</table>

Software functions

- Single and double-deck elevators
- Artificial intelligence
- Standard traffic algorithm
- Advanced traffic algorithm
- Automatic zone call transfer
- Group call
- Audible and visual guidance
- Accessibility features
- Destination operating panel locking
- Security integration
- PIN code
- KONE RemoteCall
- KONE InfoScreen

Devices

<table>
<thead>
<tr>
<th>Hybrid</th>
<th>Traditional</th>
</tr>
</thead>
</table>

Destination operating panel

- Touchscreen display
- Turnstile integration

Car operating panel (COP)

<table>
<thead>
<tr>
<th>Conventional COP</th>
<th>DCS COP²</th>
</tr>
</thead>
</table>

Destination indicator (DIN)

- On landing wall
- In car jamb(s)

Other devices

- Hall lantern indicator/Hall lantern
- Landing call station
- Elevator identifier

1) Third-party building access control integration
2) Destination control system car operating panel includes the position indicator, next-stop indicator and hidden keypad for service purposes
3) On landings that have no destination operating panel

REFERENCES

EMC2, Chicago, IL
- Building type: Hotel
- Number of floors (max): 21
- Elevators: 4
- Special solutions: KONE Destination
- Construction completed: 2017

DaVita World HQ, Denver, CO
- Building type: Office
- Elevators: EcoSystem MR™
- Special solutions: KONE Destination
- Construction completed: 2012

Manhattan Mall, New York, NY
- Number of floors (max): 11
- Elevators: 6 passenger
- Special solutions: KONE Destination
- Completed: Spring 2013
KONE provides innovative and eco-efficient solutions for elevators, 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 modernization. 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 EcoMod™ and KONE UltraRope®.

KONE employs over 55,000 dedicated professionals to serve you globally and locally.