

SMOOTH PEOPLE FLOW DURING ELEVATOR MODERNIZATION

KONE Modernization Interface

During elevator modernization, you might expect handling 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 handling capacity decrease during modernization and even increase elevator handling capacity while the first elevator is being modernized.

The KONE Modernization Interface is compatible with both old and new elevator systems. Passengers use common landing stations for calling elevators. The KONE Modernization Interface can be used with the KONE Polaris™ Destination Control System (DCS), with traditional Full Collective elevator control systems, and with most types of existing electrification systems. It is also compatible with both machine room and machine room-less elevators.



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

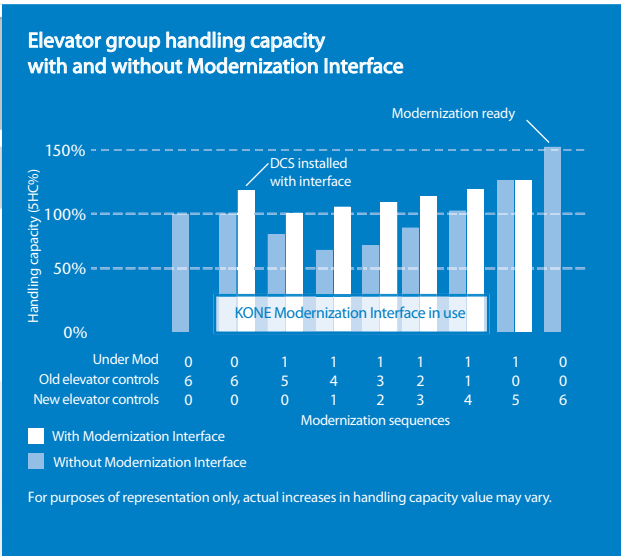
- Consistent user interface at landing
- Common landing stations for old and new elevators
- Smooth transition from conventional control to destination control

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



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, UPS and communication network, which keeps costs low.

Increasing handling capacity

In a conventional modernization, handling capacity will decline considerably during the first phases of the project. The KONE Modernization Interface increases the handling capacity already before any elevators are taken out of service for modernization.

In most cases, the DCS alone increases the handling capacity by more than 20%, which means that KONE can still provide the same service level while one elevator is being modernized. As each elevator is modernized in turn, the handling capacity will increase still further.

It is easy for the passengers to learn how to use the new system. The change is done only once at the beginning of the modernization, when the new group controller and signalization devices are installed. During modernization the elevators are rebuilt and the interface is removed from the elevators one by one until the whole group is modernized.



The KONE Modernization Interface enables you to maintain – and increase – handling capacity during the project.

U.S. Operations Center
 One KONE Court
 Moline, Illinois 61265
 1-800-956-KONE (5663)

Canadian Operations Centre
 6696 Financial Drive, Unit 2
 Mississauga, Ontario L5N 7J6
 1-905-858-8383

KONE Mexico, S.A. de C.V.
 Clavel 227
 Colonia Atlatempa
 Mexico City, D.F. 06450
 +52.55.1946.0100

For the latest product information and interactive design tools, visit www.kone.us

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