Dedicated to People Flow™

THE SELF-CLIMBING ELEVATOR FOR CONSTRUCTION TIME USE

KONE JumpLift

For faster, smoother manpower people flow
Exterior hoists have been used for over 40 years at construction sites. To improve safety and efficiency, and speed up construction work, KONE has developed an advanced self-climbing elevator, the KONE JumpLift. The KONE JumpLift uses a temporary machine room that is moved upward as construction progresses.

The KONE JumpLift can start serving lower floors as soon as construction has reached the seventh floor. Exterior hoists can be removed sooner, enabling the façade to be enclosed. This means that lower floors are ready for finishing much earlier and the entire building can be completed sooner. Since all transportation takes place in a dry, windproof shaft, construction can continue safely and unhindered, even in bad weather.



KEY BENEFITS

Safer
- Complies with EN81-1 standard and with European Machinery and Lift Directives
- Standard operating panel and automatic doors
- Transportation inside, not exposed to weather

Less waiting
- Speed up to 4 m/s (JumpLift 2000)
- Traffic capacity 3x compared with exterior hoist

Less downtime
- Jumps can be done at times that suit other construction activities
- Fewer weather delays

Earlier enclosing
- Vertical transportation takes place inside the shaft
- Lower floors can be enclosed and finishing can begin sooner

Faster handover
- Quick changeover to permanent elevator
- KONE takes care of inspections and coordination with authorities

As soon as the elevator shaft has reached the seventh floor, the KONE JumpLift machine room can be installed and the elevator can start serving the lower floors.

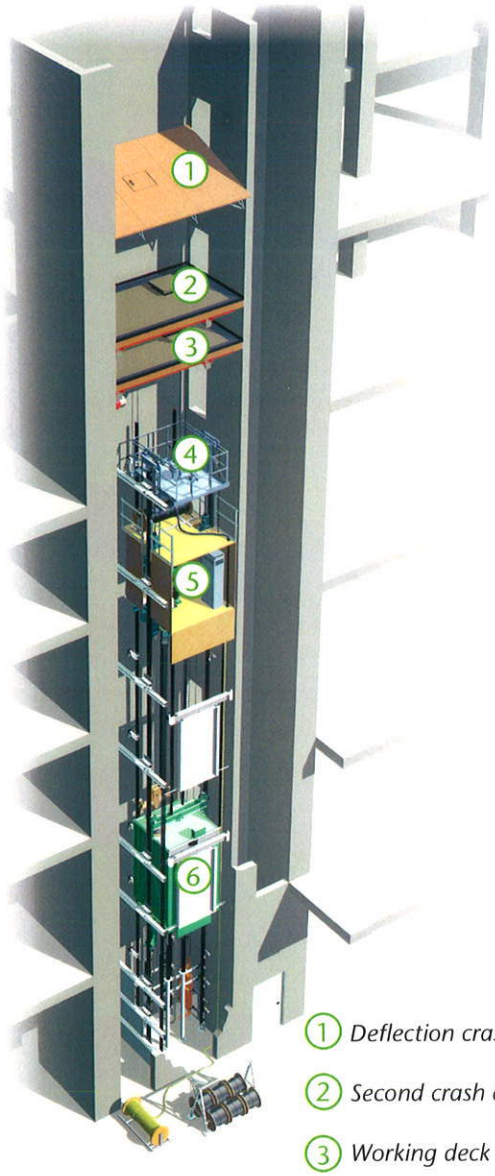
For more information go to www.kone.com/jumplift

How it works

As soon as the permanent elevator shaft has reached a height where it can be waterproofed, the builder installs a deflection crash deck. Below it a second crash deck is installed in line with the jump plan when the shaft has risen a sufficient number of floors for the KONE jump lift to move up. A working deck is located below, which contains the plumbing template and a material lifting hoist. Suspended below the working deck is the installation platform which is used for the installation of the guide rails and other elevator shaft components. Once these guide rails are in place, the KONE JumpLift machine room can move up the shaft.

Below the temporary machine room, the elevator is used for construction time service. As the building core moves upward, the crash deck and installation platform are moved upward a few floors at a time. Then the KONE JumpLift self-propels itself upward and the elevator is again in construction time use below it. Each jump can be carried out at times that suit other construction activities.

When core construction is complete, all that remains to finish the elevator installation is to install the permanent machine room and the final aesthetics for the elevator car, doors and signalization.



1. *Deflection crash deck*
2. *Second crash deck*
3. *Working deck*
4. *Installation Platform*
5. *Temporary machine room*
6. *Permanent elevator*

Max. travel	400 m
Load	1000 - 4000 kg
Speed	Up to 4.0 m/s

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