

Improving construction efficiency and safety

KONE JumpLift

Crash and deflection decks

Deflection and crash decks make the elevator shaft wind and waterproof, and provide protection against any possible falling objects while the new shaft is being constructed above.

Installation platform

The installation platform is used to install the elevator guide rails and other shaft components. Once the guide rails are in place, the mobile machine room can move up the shaft to its new location.

Lifting beams

At the start of the jump, the lifting beams are moved and fixed higher up in the shaft. The beams are used as anchor points to pull the mobile machine room up to its new position.

Mobile machine room

The mobile machine room moves upwards, or 'jumps', as the building's formwork progresses. It contains the elevator controls and traction machine.

Permanent elevator

The JumpLift's elevator car is the same car that will be used when the building is finished, but without its final interior décor.

Rope reels

The rope reels on the ground floor are used throughout the construction project to feed the correct amount of rope to the JumpLift so that it can travel higher as the shaft construction progresses.

