



# KONE ReNova™

## MODERNIZATION OF ELEVATOR DOORS

### Modular solution

Flexible interface and fast installation

### Enhanced safety and energy efficiency

Enhanced safety features and lower power consumption requirements

### Reliability

Optimum reliability and longer life

# IMPROVED SAFETY AND ACCESSIBILITY BEGIN AT THE DOOR

Many elevator reliability problems are the result of outdated or poorly-performing door systems. The elevator door is also the first thing building users see, so it should make a good first impression.

Modernizing the elevator door system with KONE ReNova™ improves the safety, performance and reliability of the doors. It can also be an ideal opportunity to upgrade aesthetics as well as accessibility for your passengers. KONE ReNova elevator door modernization solutions require less power than conventional door operators, enabled by a combination of sophisticated mechanical and electrical systems. The mechanical system includes a linear door drive system, with large diameter door rollers and a substantial track, which minimizes friction and reduces noise. A highly efficient synchronous motor, closed-loop control and inverter drive system promote optimum electrical efficiency.

Modularity enables KONE ReNova doors to meet the specific needs of your building. This flexible solution can be interfaced with different parts of existing door systems, if their operation is satisfactory. In certain situations this may reduce the cost and time needed for modernization.

- 1 The V3F inverter drive is integrated with the door control electronics.
- 2 The system features a synchronous PMSM motor, excitation by permanent magnets (no brushes).
- 3 The drive system and track allow for true “linear” motion.
- 4 KONE ReNova solutions feature patented KONE AMD technology. The substantial track design and resilient rollers are designed for long life.
- 5 The elevator doors retract the instant the infrared beam light curtain is broken, virtually eliminating the chance of door contact with passengers.
- 6 The clutch offers a solid coupling and quiet operation.

