

Connecting the City People, Density & Infrastructure

Maintaining the Lifecycle and Increasing the Value of High-Rise Buildings

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Is your building still competitive?

RIDE COMFORT

PERFORMANCE

RELIABILITY

USER EXPERIENCE

SAFETY

ATTRACTIVENESS

PEOPLE FLOW

ENVIRONMENT

COST REDUCTION

SECURITY



Traditional and New Technologies

KONE

THAT RESHAPE TALL BUILDINGS



ASSESS CURRENT EQUIPMENT



PLAN FOR OPTIMAL PEOPLE FLOW



ELEVATE USER EXPERIENCE



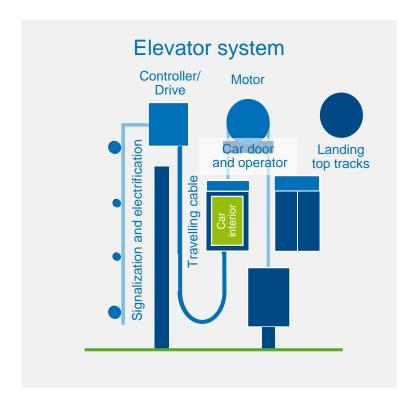
MAXIMIZE LIFETIME RELIABILITY



Traditional Elevator System

AS A STARTING POINT





→ Motor

⇒ Electrification

→ Drive

- Signalization
- → Control system
- Mechanics
- Doors and Door operator
- → Ride comfort

- Door tracks
- Noise

How we understand



COMPREHENSIVE METHOD TO MEASURE, ANALYZE AND PLAN THE WORK



Measurements and dimensions



Shaft inspection, car top and pit



Analysis

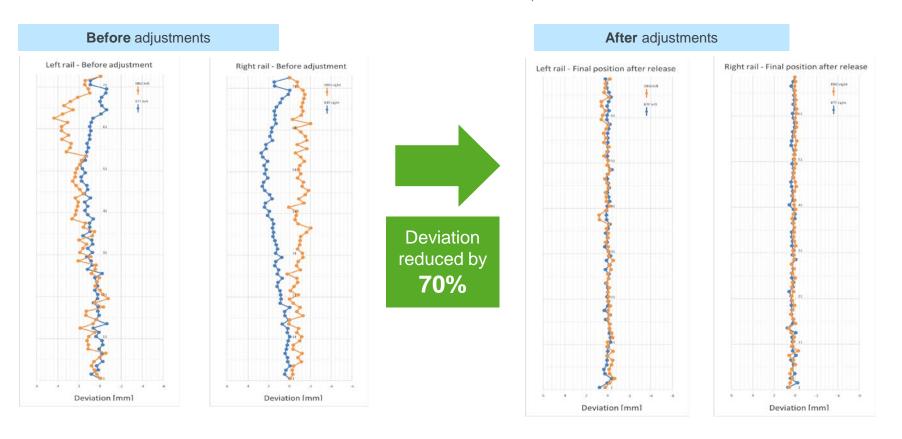


Report

How we improve



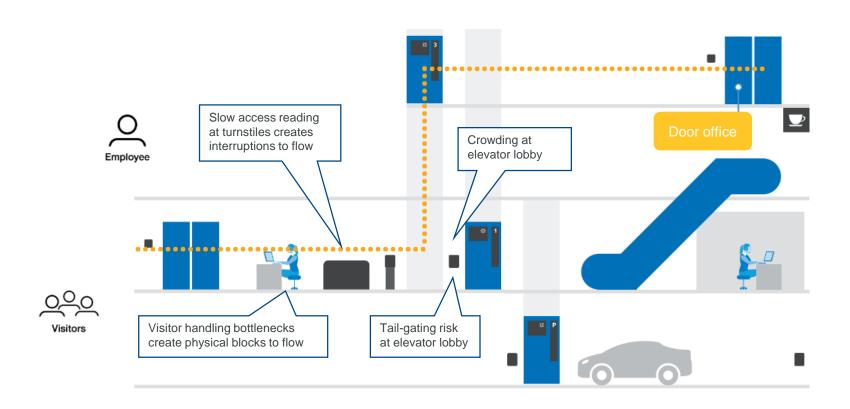
ADJUSTMENT WITH SMART TOOL ON ELEVATOR OF 175M TRAVEL, 3.0 M/S SPEED





Touchpoints in end-user journeys





Studying people flow



Elevator performance analyzer (EPA)

- Detects floors served and distances travelled
- Detects passengers entering / leaving the car
- Detects door operations



Smart Lobby System

- Detects people flow at each lobby entrance
- Heat map views of people in lobby
- Dwell time of people at various spots in lobby
- Usage of space in the lobby





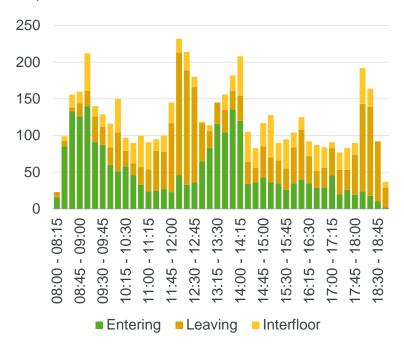


Singapore Office Tower

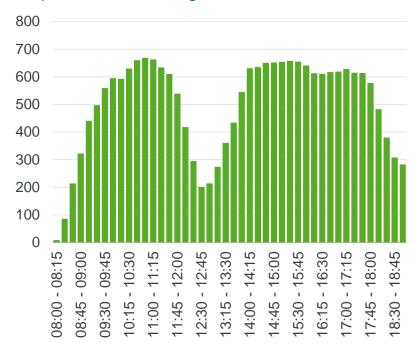
KONE ELEVATOR PERFORMANCE ANALYZER HELPS TO UNDERSTAND THE ACTUAL DAILY PEOPLE FLOW IN THE BUILDING



People Flow Profile



People Inside the Building

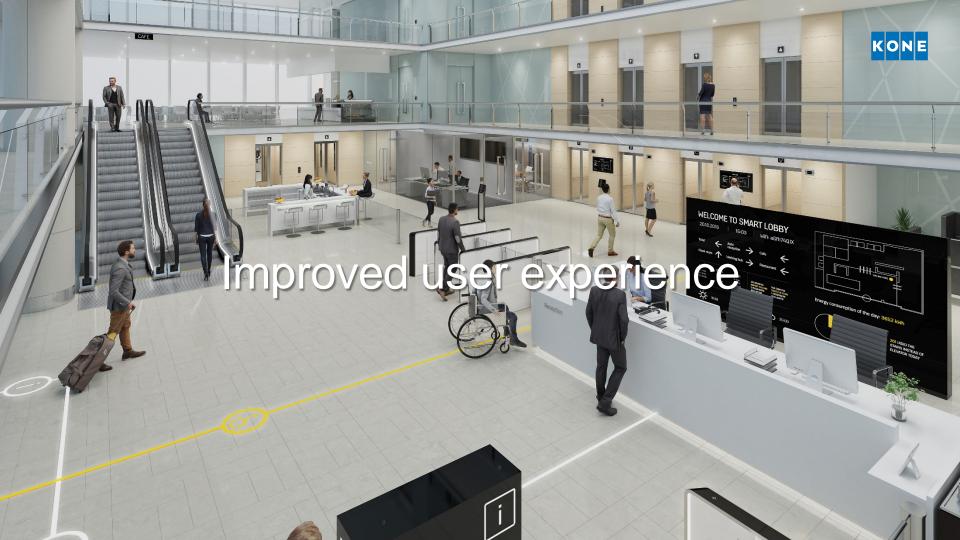


Shanghai Office Tower

CASE

Non equal serving of floors by elevators in a group.





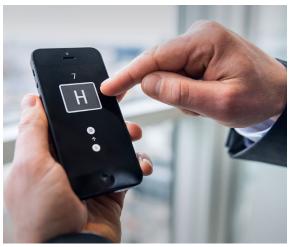
World-class design and usability

FOR SMOOTH AND PERSONALIZED JOURNEY





Convenient tablet application for receptionists

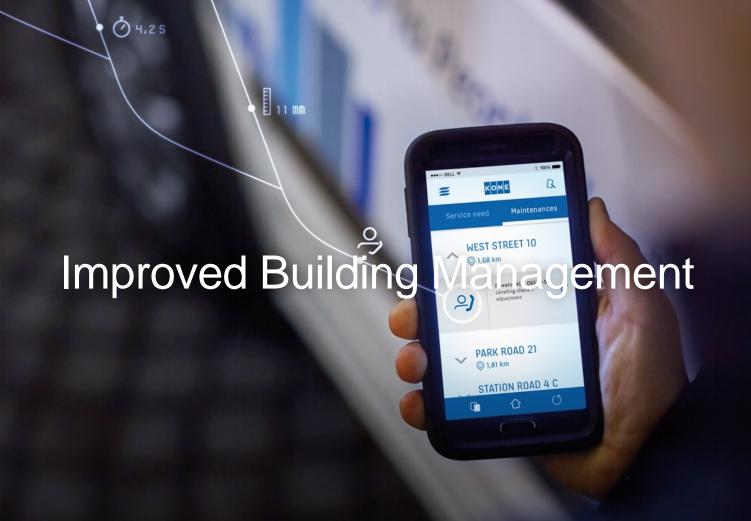


A new way for calling elevator from mobile phone



A new way for calling elevator for VIP users from Apple Watch







Intelligent services ensure better visibility and management



The system keeps a constant eye on critical parameters

Intelligent technology analyzes maintenance needs and predicts faults

You get trustworthy insights into the health of your assets and proposals for the future

Technician get the right information at the right time









