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

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Is your building still competitive?
PERFORMANCE
COST REDUCTION
ENVIRONMENT
ATTRACTIVENESS
PEOPLE FLOW
SAFETY
USER EXPERIENCE
RELIABILITY
RIDE COMFORT
SECURITY
COST REDUCTION
Traditional and New Technologies
THAT RESHAPE TALL BUILDINGS

ASSESS CURRENT EQUIPMENT
PLAN FOR OPTIMAL PEOPLE FLOW
ELEVATE USER EXPERIENCE
MAXIMIZE LIFETIME RELIABILITY
Traditional Elevator System Upgrade
Traditional Elevator System

AS A STARTING POINT

Motor

Drive

Control system

Doors and Door operator

Door tracks

Motor

Electrification

Signalization

Mechanics

Ride comfort

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

Before adjustments

After adjustments

Deviation reduced by 70%
People Flow Planning
Touchpoints in end-user journeys

- Slow access reading at turnstiles creates interruptions to flow
- Crowding at elevator lobby
- Visitor handling bottlenecks create physical blocks to flow
- Tail-gating risk at elevator lobby
- Visitor handling bottlenecks create physical blocks to flow
- Door office
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
Non equal serving of floors by elevators in a group.

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Sum: 611 634 611 670
Improved user experience
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
Information in lobby and elevator car
Improved Building Management
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
Is Your Building Still Competitive?

Safety and Reliability
Upgrades

Updated and Improved
People Flow in the Building

Improved user
experience

Improved
building management

Increased Building Value
and Long Term
Sustainability