



KONE

KONE MAINTENANCE METHOD

Maximize your equipment lifespan through a tailored service program designed around your equipment characteristics, environment and usage

Enjoy peace of mind that comes from over 100 years of experience

Benefit from established quality control methodology

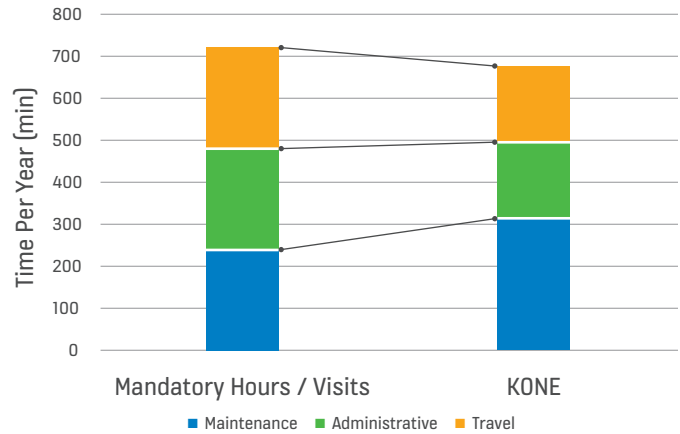
The traditional maintenance programs prevalent in the industry today are generic, calendar based and built around a simple standard. KONE's Maintenance Method is a tailored program for your equipment, providing the correct maintenance at the correct interval. This reallocates time normally duplicated in multiple visits such as travel, check-in and staging.

KONE defines maintenance quality with the following standards:

- Safe.
- Functionally correct.
- Properly lubricated.
- Clean, neat and organized.
- Customer acceptable.

Each scheduled visit includes specific modules, which are comprised of tasks and detailed procedures the technician performs during that visit.

Allocation of Productive Equipment Maintenance Time



The example below of an elevator plan shows which modules will be performed in each specific month. This will change depending on variety of factors, including equipment type, age, usage and operating environment.

MODULES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
B: Basic			X		X	X		X	X		X	X
D: Door Operator					X						X	
L: Landing Door						X						X
S: Shaft					X						X	
M: Machinery			X						X			
C: Control Panel			X						X			
Z: Signalization			X						X			

EQUIPMENT MAINTENANCE MODULES

Elevator Modules	Escalator/Autowalk Modules
B = Elevator Basic	B = Basic
C = Control Panel	Y = Check
M = Machinery	R = Brake
MX = MX Brake Check	O = Combplate
S = Shaft	V = Drive
L = Landing Doors	G = Guide
D = Door Operator	H = Handrail
Z = Signals	F = Step
FS = Fire Service	P = Partial Clean
	AN = Annual
	CD = Cleandown

PARTIAL LIST OF THE TASKS AND PROCEDURES INCLUDED IN THE CONTROL PANEL MODULE

MONOSPACE CONTROL PANEL MODULE	
Task	Procedure
Secure Car	<ul style="list-style-type: none"> - Ensure elevator is empty. - Switch OFF landing calls and door operation.
8.6.1.6.3 - Check control panel light and overall tidiness of controller	<ul style="list-style-type: none"> - Replace the bulb, if necessary. - Clean control panel.
Check for proper function of door zone indicator	When car is on landing level, door zone indicator should illuminate, even when main switch is OFF.
Check operation of emergency battery drive (if applicable)	<ul style="list-style-type: none"> - Position car between two floors. - Switch OFF main power. - Drive car to lower floor by using EBD.
Check fixings of motor supply cables	Check that all cables are in good condition, properly connected and tightly fixed. WARNING! Main power must be OFF.
Check condition of main line entries and fixings	<ul style="list-style-type: none"> - Main line entries must be properly fixed and intact. - Verify proper condition and fixings of controller's main switch cable on control panel (cables that feed main power from main switch to controller). - Switch ON main power.