HIGH SPEED KLEEMANN

KLEEMANN™
Your 1st Choice in Lifts

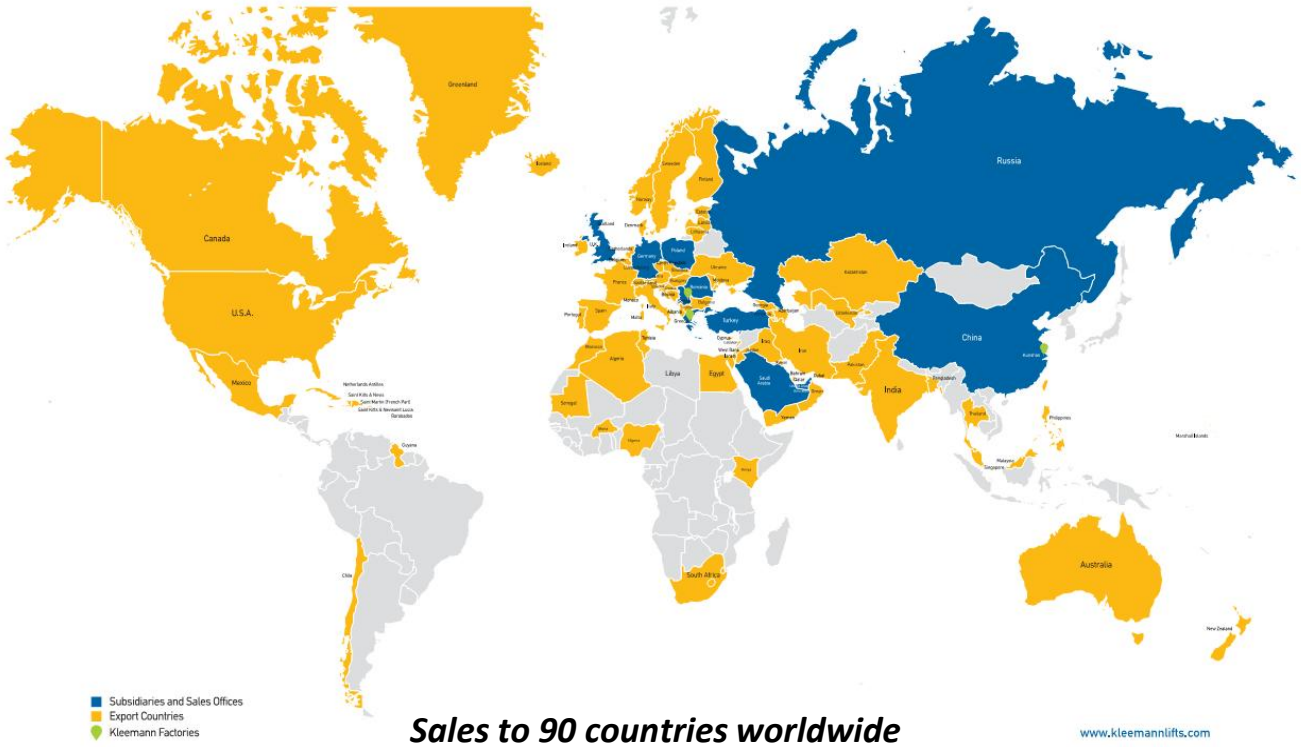
COMPANY PROFILE

KLEEMANN is a Greek multinational company founded in 1983. Based on the know-how and license of KLEEMANN HUBTECHNIK GmbH, nowdays operates both in the **manufacturing and the trading of Complete Lift Systems** field**.** The head office is based in Kilkis, Northern Greece, with offices and subsidiaries in **11** territories serving more than **90** countries worldwide. **KLEEMANN** ranks among the largest international companies of the lift industry, with manufacturing facilities in Greece, China and Serbia. The company contributes more than **10.500** new systems annually (**2%** of the world's new lift units)

In Greece, the company holds a leading position (with a **72%** market share of total units installed) making **KLEEMANN** one of the best lift companies in Greece.

KLEEMANN 's facilities
Kilkis, Greece

61 meter Testing Tower
3rd largest in Europe



Sales to 90 countries worldwide

www.kleemannlifts.com

HRS KLEEMANN Lift

KLEEMANN presents the new High Speed / Rise Lift with max speed up to 4m/sec.
HRS KLEEMANN Lift provides

• Energy Saving

Features such as LEDs for the car lighting and the standby mode function actually the operating panels, the inverter and parts of the controller go to energy saving mode. Regeneration systems are applied, reducing energy consumption up to 60%.

•Ride Quality

Measurements according to ISO 18738 ensure high quality of the ride comfort. In addition the level of noise and of the car vibrations has been minimized. Full fills even the most strict requirements.

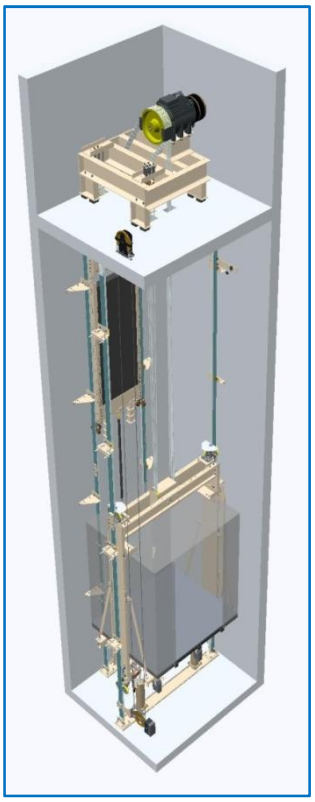
•Design

HS KLEEMANN Lift is offered with several cabin, COP-LOP and buttons designs which is the result of KLEEMANN cooperation with the worldwide famous industrial designer Andreas Zapatinas.

•Innovative services

- **ECO design iso 14006:2011**
- **Destination Control LTP Call Management System**
- **Remote Lift Monitoring**
- **Advanced methods used for energy consumption reduction**

The Remote Lift Monitoring system is often required for buildings with multiple lifts in order to provide a better management.
Features:
•Security password
•Real time monitoring of the lift status
•Remote travel and door commands
•Parameter viewing and programming
•Error log display and statistics
•Clock control travel management



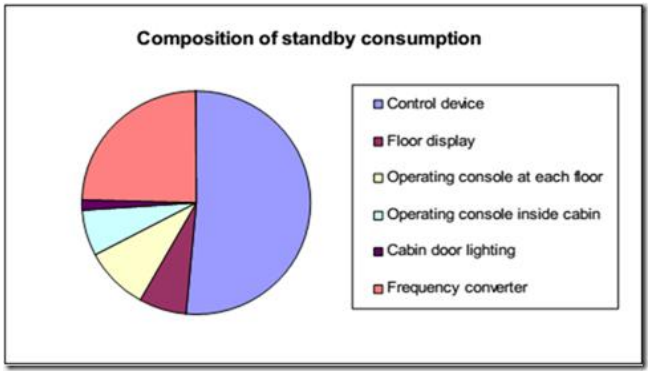
TECHNICAL SPECIFICATION

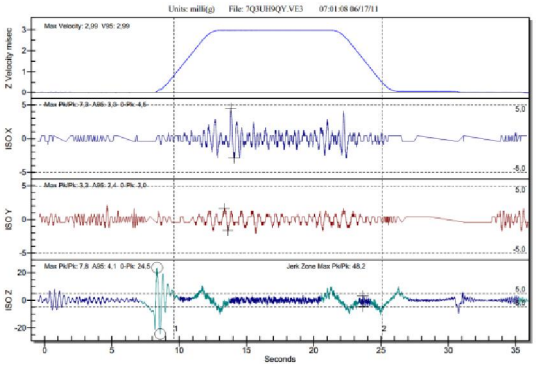
Specifications	HRS 2:1		
Rated Capacity (kg)	1000	1275	1600
Number of Persons	12	17	21
Suspension	2:1		
Max Travel (m)	150		
Number of Stops	50		
Rated Speed (m/sec)	2 - 4		

KLEEMANN ENGINEERING

ENERGY SAVING

Since several years ago KLEEMANN has started to invest towards the direction of energy efficient lifts. Series of energy measurements and tests carried out in KLEEMANN model lifts, leads to a progressive reduction of energy consumption of our lifts.
HRS is fitted with several energy saving features such as the use of LEDs for the car lighting as also the standby mode function fitted in the lift controller.
Standby mode function is designed to automatically reduce energy consumption after some minutes of idleness of the lift. During standby mode the operating panels, the inverter as also parts of the controller goes to energy saving mode, yet remain ready to constantly monitor any lift calls. Regeneration system is applied reducing energy consumption up to 60%.



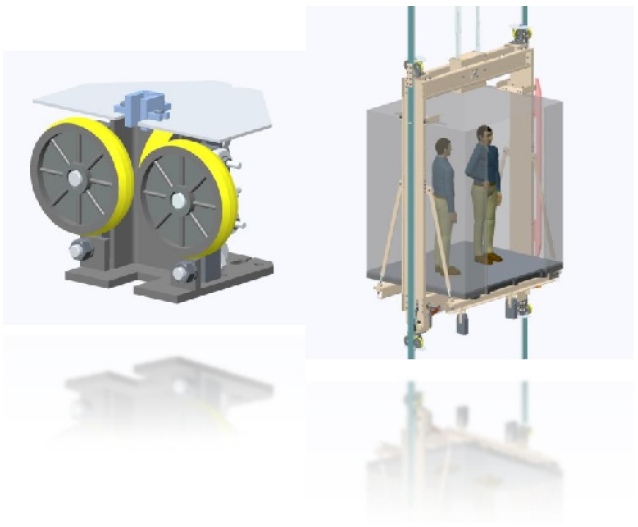


RIDE QUALITY

As all KLEEMANN lifts, HRS appears an impressive ride behavior. Series of ride quality measurements according to ISO 18738 carried out in our test towers allowed a progressive improvement of the ride comfort. Noise level as also car vibrations values have been minimized, so that the passenger to have a really ‘smooth’ experience during travel.

ISOLATED ROLLER GUIDE SHOES

The isolated roller guide works as a spring element, so that the vibrations are limited to a minimum. It guides the car between the guide rails within the allowance determined by the safety gear device and the door coupler.
Isolated roller guide shoes are distinguished by its spring system which offers enormous advantages over non-spring loaded guides. The rollers always contact the rail closely regardless of the type and direction of load.
The rollers have high quality and unusually long service life due to the spring system and the permanent contact to the guide-rail.



HIGH SPEED by KLEEMANN is offered with

KLEEMANN™ Your 1st Choice in Lifts

Future Trend **T714**

Ceiling
Type: Special Ceiling T710
(Curved Steel Sheet White with hidden light)
Light Type: 2 fluorescent tubes

Walls
Stainless Steel Satin
Shadow Gaps– Door Posts
Stainless Steel Mirror
(Door Posts min 80mm)

Floor
Laminate 37372

Handrail
K2 Stainless Steel Satin

Mirror
Full Height / Full Width

Car Operating Panel
FPY Stainless Steel Satin with Blue Line

Modern Life **L530**

Ceiling
Type: O14
Material: Stainless Steel Mirror
Light Type: 4 fluorescent tubes

Walls
Material: Combination of
Stainless Steel Mirror (Back) and
Satin (Sides)
Shadow Gaps - Corners - Skirtings
Stainless Steel Mirror

Floor
Laminate 37372

Handrail
K7 Stainless Steel Mirror

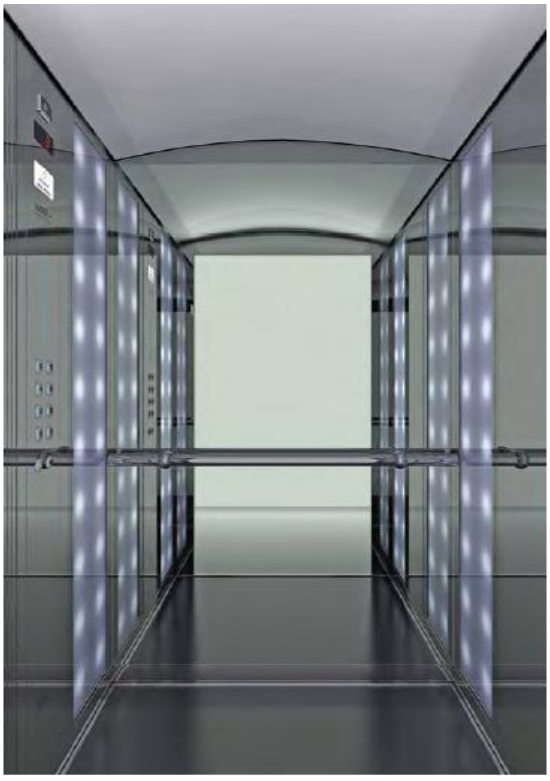
Mirror
Half Height / Full Width

Car Operating Panel
AKC BES Stainless Steel Mirror with
Blue Line

Modern Life **L310**

Ceiling
Type: O10
Material: Stainless Steel Mirror
Light Type: 3 fluorescent tubes
Walls
Material: Stainless Steel Satin
Skirtings
Stainless Steel Satin
Floor
Linoleum 6674
Handrail
K5 Aluminium
Mirror
Full Height / Full Width
Car Operating Panel
SM BA Stainless Steel Satin with Blue Line

Modern Life **L520**



Ceiling
Type: Special Ceiling L520
(Curved Steel Sheet White)
Walls
Material: Combination of Stainless Steel Satin and Lightened White Glass
Light Type: LED Lines
Corners – Skirtings
Stainless Steel Satin
Floor
Linoleum 6674
Handrail
K7 Stainless Steel Mirror
Mirror
Full Height / Full Width
Car Operating Panel
AKC BES Stainless Steel Satin with Blue Line

Classic Athena **A520**

Ceiling
Type: O3 with plexiglass defuser
Material: Stainless Steel Mirror
Light Type: 2 fluorescent tubes + 4 spots

Walls
Artificial Leather 7004

Corners - Shadow Gaps - Skirtings
Inward Curves, Shadow gaps and Skirtings Stainless Steel Mirror

Floor
Ceramic Tiles GP5

Handrail
K3 Stainless Steel Mirror

Mirror
Full Height / Full Width

Car Operating Panel
AKC BES Stainless Steel Mirror with Blue Line

Classic Athena **A310**

Ceiling
Type: O55
Material: Stainless Steel Mirror and plexiglass
Light Type: 3 fluorescent tubes

Walls
Laminate (DU) 5610 HG
Corners - Skirtings
Stainless Steel Satin

Floor
Elastic Black 6801

Handrail
K4 Stainless Steel Satin

Mirror
Half Height / Full Width

Car Operating Panel
SM BA Stainless Steel Satin with Blue Line

KLEEMANN SERVICES

LTP CALL MANAGEMENT – DESTINATION CONTROL

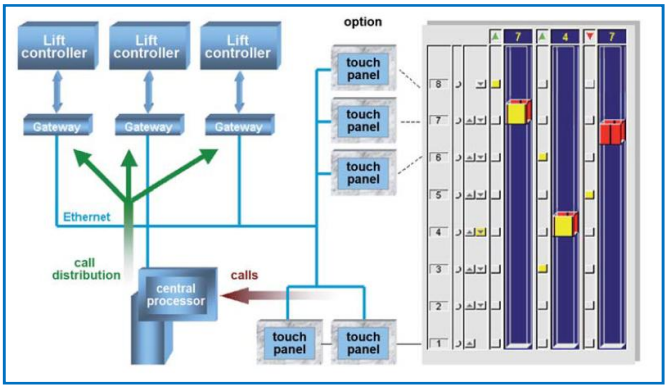
The call management system increases the efficiency of the lift application and reduces the waiting times. The passengers enter their destination in touch panel PC's that responds by indicating the lift that is going to be used. There are two options available according to the traffic analysis of the building.

•Buildings with high traffic density on the ground floor
The touch panel PC's are installed only at the ground floor while at the other floors push button operating panels are used. The number of the touch panels to be installed depends on the number of lifts.

•Buildings with high traffic density between multiple floors
The touch panels PC's are installed at each floor. The destination information from the touch panel PC's are sent to a central processor that communicates with each lift controller to distribute in the most effective way the landing calls.

ADVANTAGES

•Directed use of the lifts
•Reduced travel time via carefully targeted distribution of the passengers
•Higher passenger comfort
•Reduced waiting times
•A more efficient utilization of the individual lifts in comparison to conventional controls
•Modern and future-oriented



SCHEMATIC DIAGRAM OF THE LTP CALL MANAGEMENT SYSTEM

LTP CALL MANAGEMENT SYSTEM

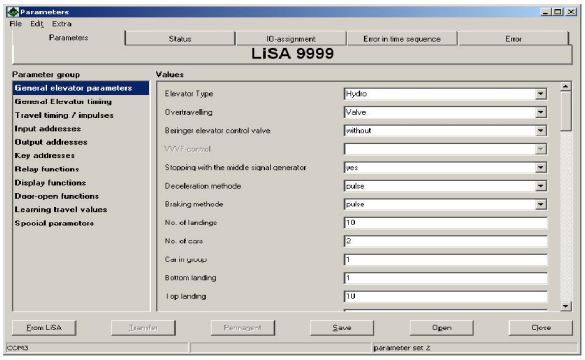
KLEEMANN SERVICES

REMOTE LIFT MONITORING

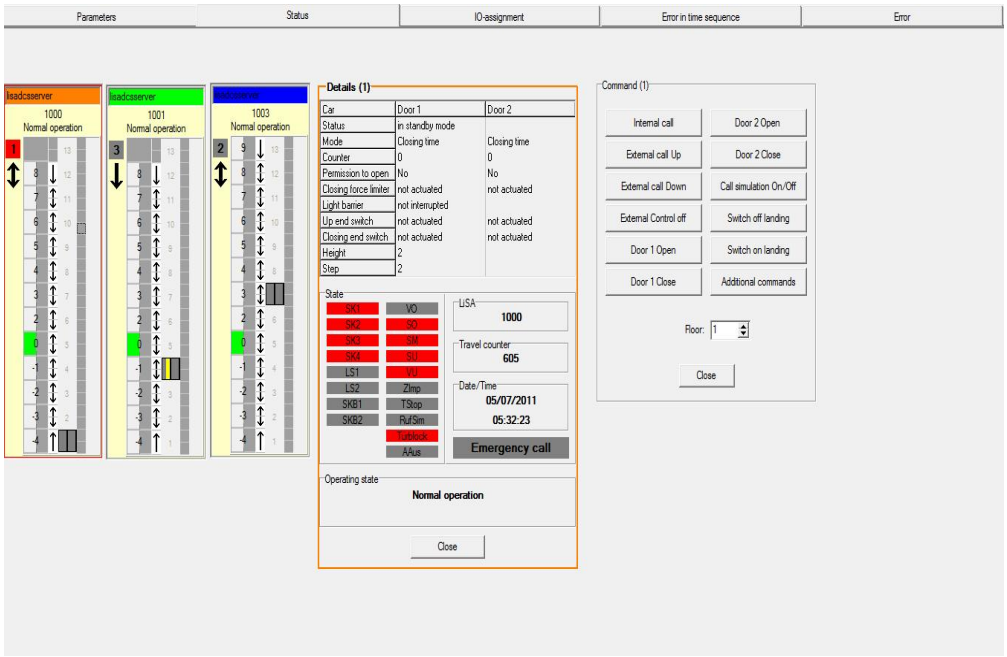
In cases of multiple lifts in a building, a central monitoring system is often required in order to provide a better management of the lifts. Up to 18 lift controllers can communicate simultaneously with a PC where special software is installed. The dedicated personnel can either monitor the lifts from a control room where the PC is based or by any place globally via internet connection.

FEATURES & ADVANTAGES

- Security password
- Real time monitoring of the lift status
- Remote travel and door commands
- Parameter viewing and programming
- Error log display and statistics
- Traffic analyzer and statistics
- Clock control travel management



EXAMPLE OF VIEWING PARAMETERS



KLEEMANN CONTROLLER SERVICES

Category	Function	Description
Special functions	Door pre-opening	The doors begin their opening a few centimeters before the landing in order to save time.
	Call button deactivation	Landing and car call buttons can be deactivated individually.
	Car call cancellation	If a car all button has been pressed by accident it can be canceled by pressing the same button in a selected time frame
	Machine room temperature monitoring	In case the machine room temperature exceeds or falls below the permissible value the lift remains at the landing with doors open in an out of operation mode
	VIP function	When the function is activated all car calls are deleted and the lift travels to a predetermined floor in a priority mode.
	Visitors control	This function is used in cases that a resident wants to control the permission of lift use towards its residence landing.
	Clock controlled travel	In case the lift operation needs to be modified for certain period of time this is made possible through clock control travel. New door opening tables, active calls, parking landings etc can be selected according to the needs of the second operating mode.
	Key controlled travel	Different options for key controlled priority, emergency or special travel. These functions can be activated either from key switches installed in the car or the landings. The way that already registered call are canceled and the available destinations in key control travel can be defined by controller parameters.
	Access control	Access control is applied to lifts where it is necessary to have different sets of accessible landings. In case a landing call of set A has been registered the lift travels to the specific landing. If a passenger enters the car he can travel only to the permissible destinations of set A. Consequently this function makes impossible for a passenger entering from a set A landing to choose a destination from set B.
	Out of order	The lift can set in out of order mode either from switches installed in the car or the landings. The car will remain in the landing with the whole call acceptance system blocked.
	Selective door	Function for lifts with two doors. Different car and landing call buttons are assigned to each side so that they are served individually.
	Group lift	Up to 8 lifts can operate in a group function
	BMS outputs	The controller can provide numerous voltage free contacts, according to specifications, as outputs for BMS.

CONTROLLER

KLEEMANN CONTROLLER SERVICES

Category	Function	Description
Energy saving	Car light switch off time	If the car remains idle for a selected time the car lights are switched off reducing the stand by consuming energy
	Car fan running time	The car fan can be automatically switched off at the end of the travel plus a selected overtravel time. Optionally the car fan can be controlled by a fan button or spring operated key switch in the COP.
	Stand by function	If the car remains idle for a selected time the landing and car indicators are switched off. At the same time the controller issues a command to the VVVF setting it also in stand by mode
Load control	Full load	The landing calls are accepted but not answered. On the contrary the car calls are answered. In case of a group lift the lift leaves the group
	Overload	The lift stays at the floor with the doors open until a sufficient number of passengers exit the car. An acoustic signal informs the passengers that the lift is overloaded. The landing calls are accepted but not executed. In case of a group lift the lift leaves the group
Emergency functions	Fire emergency	If the function is activated the lift travels non-stop to the designated landing, deletes all registered calls and blocks the entire call acceptance. The lift remains inoperative in the fire recall landing with the doors open
	Fireman operation	If the function is activated the lift travels non-stop to the designated landing, deletes all registered calls and blocks the entire call acceptance. The lift remains inoperative in the fire recall landing with the doors open until the fireman key is inserted in the car. From that point on the car calls are accepted. The permissible destinations as well as the way the doors open and close in fireman travelcan be defined by controller parameters.
	Firefighting lift	Lift with full compliance to the EN81-72 norm in both components and function.
	Automatic evacuation	In case of power failure the lift will travel either to the next possible landing or a specified floor evacuating the passengers.
	Sequential evacuation	In case of power failure multiple lifts can use the emergency power of the building in order to perform a sequential evacuation travel. At the end of the evacuation travel the lift can go either on normal operation using the emergency power or reamain unoperative at the evacuation landing with the doors open.
	Emergency car lighting	In case of power failure emergency lighting is activated in the car providing the required level of lighting.

CONTROLLER

Visit us at
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