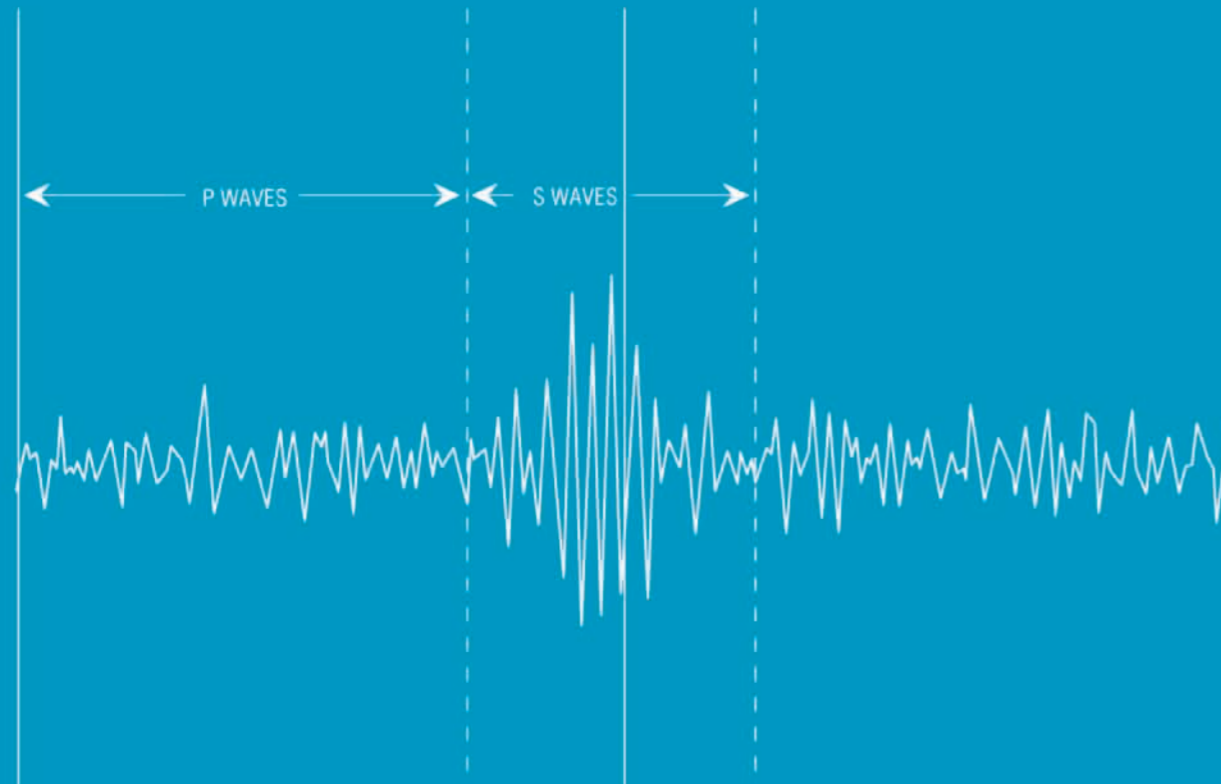


SEISMIC DIAGRAM



P WAVES (Longitudinal)

ALARM
Sensing ...

Once the seismic sensor is activated by the P waves, the car is transferred to the next floor and the doors open in order to evacuate the passengers.

S WAVES (Transverse)

Subsequently, in the event that the S waves do not exceed a predetermined range, the lift is restored back to its normal operation.
In case the S waves exceed the predetermined range, the lift is automatically programmed to cease its operation and can only be reset after inspection by the designated installation/maintenance technician.



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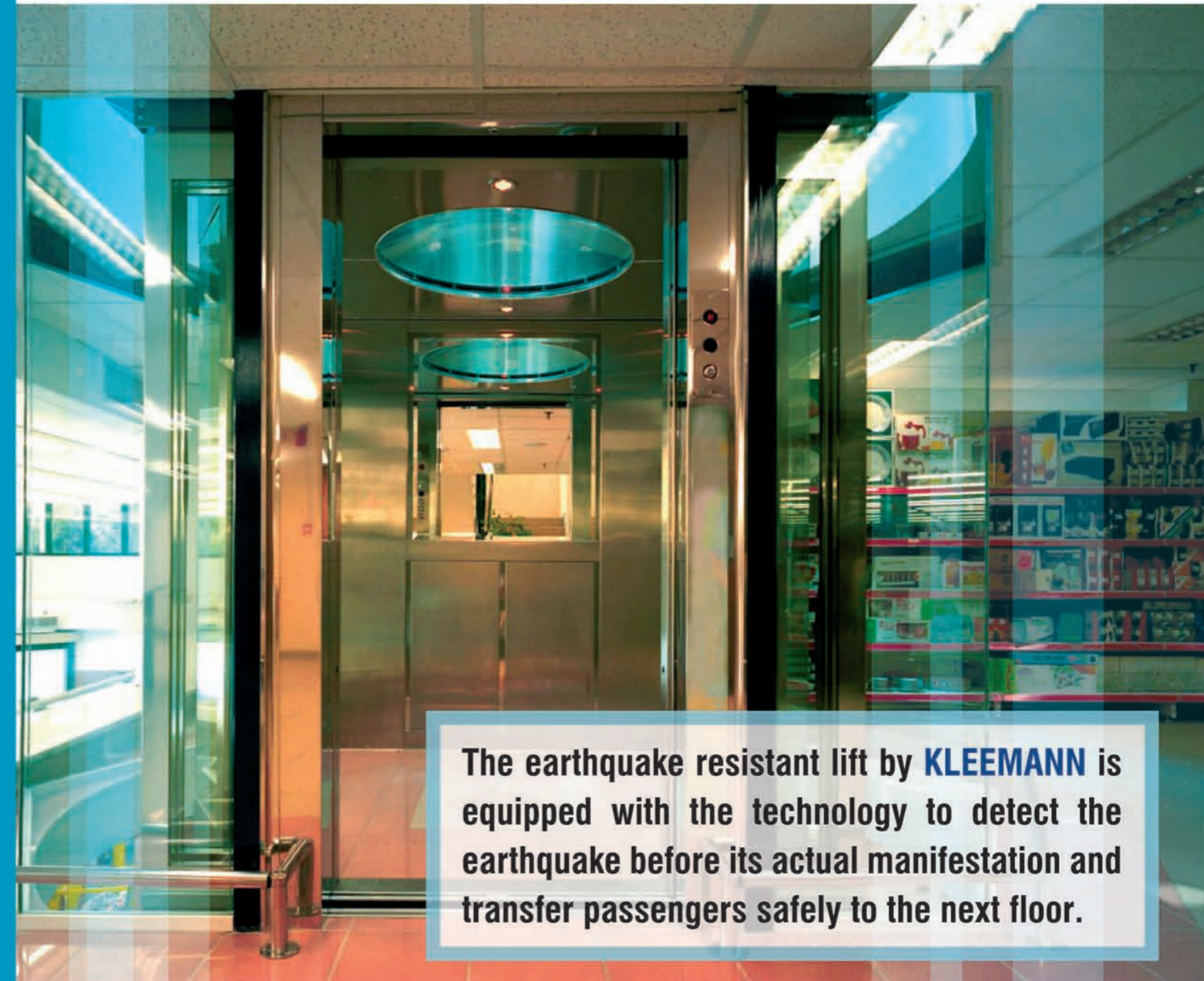
63 Marasesti Blvd. Sector 4, Bucharest, Romania, Tel.: 0040 21 3367739, Fax: 0040 21 3374428

www.kleemannlifts.com

KLEEMANN

EARTHQUAKE RESISTANT LIFT

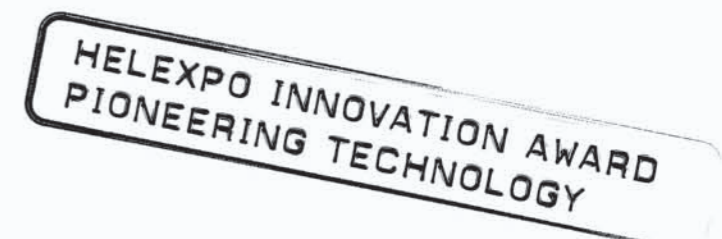
INNOVATIVE TECHNOLOGY



The earthquake resistant lift by **KLEEMANN** is equipped with the technology to detect the earthquake before its actual manifestation and transfer passengers safely to the next floor.



Your 1st Choice in Lifts



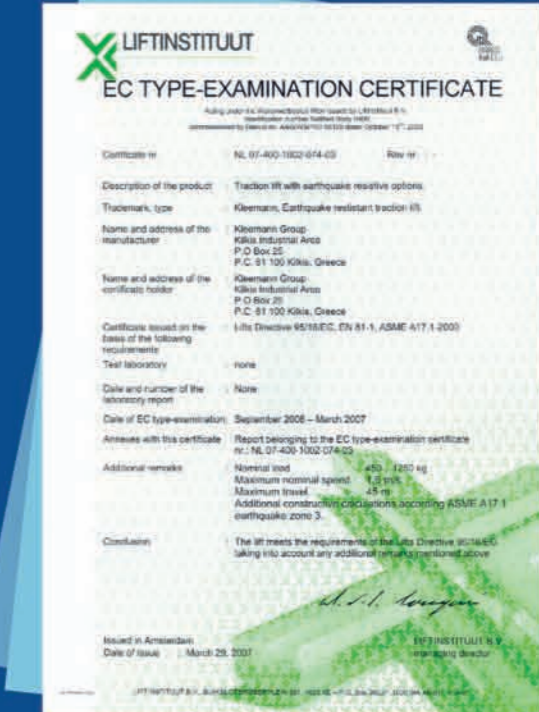
www.kleemannlifts.com

BASIC CHARACTERISTICS

- Seismic sensor, which detects the primary (longitudinal) seismic waves up to 30 seconds before the actual development of the earthquake.
- Upon activation of the seismic sensor, the **controller** is equipped with an **automation** that notifies the passengers via audible and visual signals and moves the car to the next floor to evacuate them safely.
- Special armoring** in vital parts of the lift, which ensures its operation during the actual manifestation of the earthquake. In doing so, the possibility of the passengers' entrapment is minimized, as well as potential damages to the lift such as: loss of guide rails alignment, cabin and/or counterweight derailment, etc.



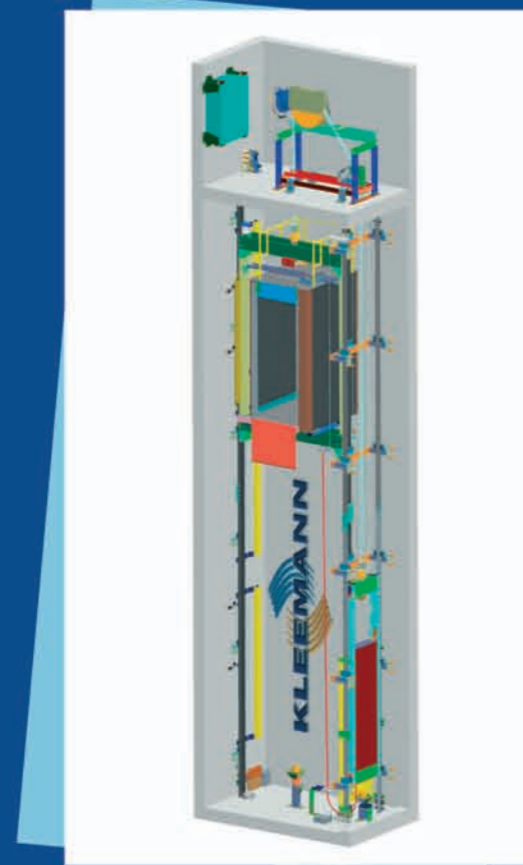
Hydraulic earthquake resistant lift Certification



Traction earthquake resistant lift Certification



Hydraulic Earthquake resistant lift



Traction Earthquake resistant lift

Certification by the Dutch notified body Liftinstituut on the basis of the Lifts Directive 95/16/EC, EN 81-1/2 and on the basis of the American standard ASME A17.1 which defines the requirements for an earthquake resistant lift.

Complete Technical File, which contains: the Examination Type Certificate, Risk Analysis and Additional Control Process.

Option for **upgrading existing lifts** by partial installation.

Smooth operation, credibility and high aesthetics by **KLEEMANN**, makes us one of the leading lift manufacturers in Europe.