



MRL PEGASO & MRL PEGASO DUE LIFTS

Experience CMAlifts Augmented Reality. Look for the QR Code in all our catalogues, scan it with your smartphone, and gain access to a gallery of multimedia features, which will take you into the world of our company's products and peculiarities.



**MRL PEGASO
&
MRL PEGASO DUE**

THE MOTOR

The permanent magnet motor without gearbox is positioned in the headroom, directly on the guide rails, while the lift controller is located inside a cabinet installed next to the doorframe of the top landing door. MRL PEGASO and MRL PEGASO DUE conform to EN81-20&50, EN81-1, as well as to Directive 2014/33/EU and Directive 2014/30/UE on Electromagnetic Compatibility.

MRL PEGASO

MRL PEGASO lifts are the evolution of the experience gained at CMAlifts and represent the ideal and versatile solution in terms of vertical transportation.

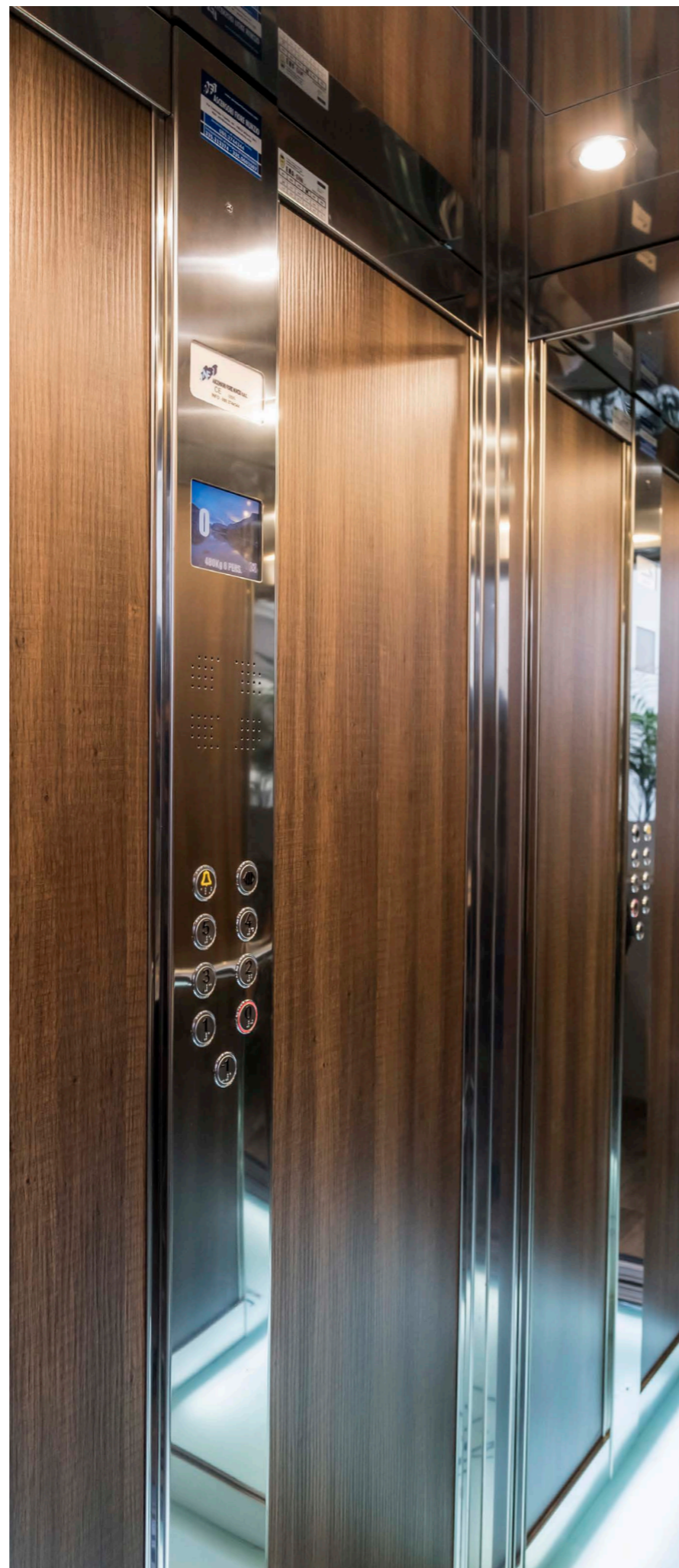
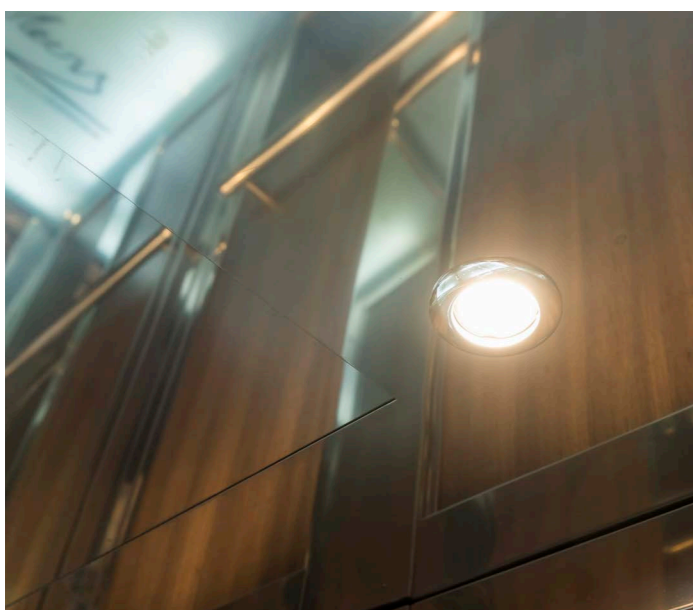
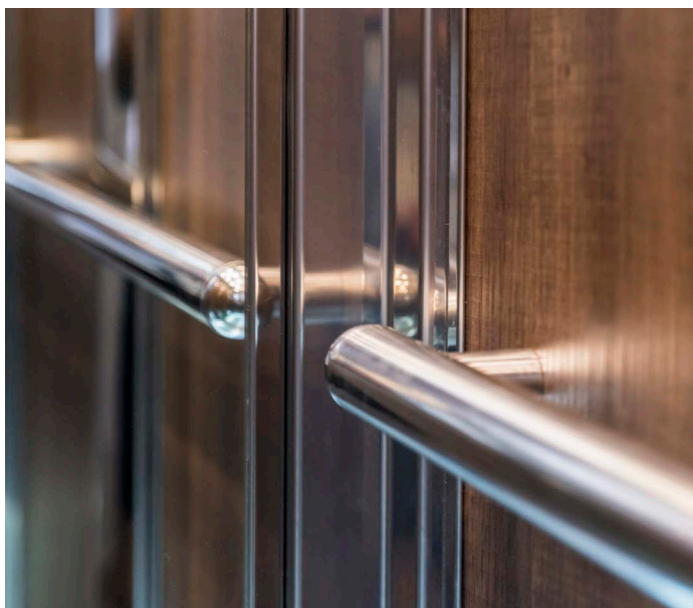
The MRL PEGASO and MRL PEGASO DUE lift models differ from traditional electric lifts because of the absence of the machinery room: the entire lift, in effect, is housed inside the shaft.



SPACE SAVING

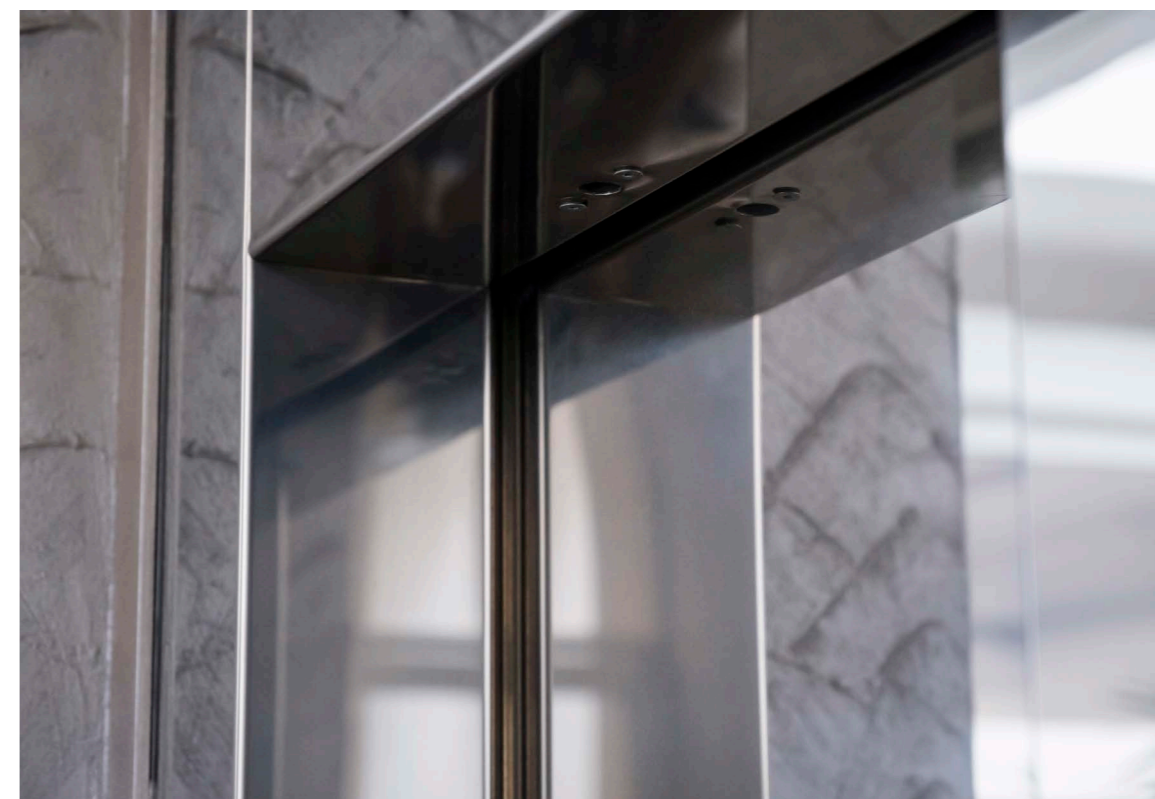
The lift is entirely housed inside its hoistway, supported exclusively by the guide rails, which means there is no need for load-bearing beams to be fixed to the walls of the lift shaft, nor any specific masonry work, this way saving precious space otherwise intended for the machinery room. Compared to the oil-hydraulic lift plants, these lifts are faster and absorb less electrical power.

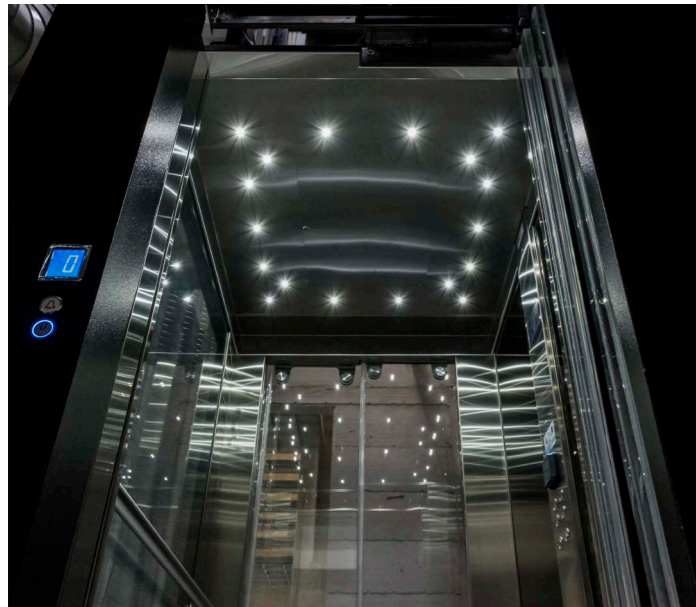
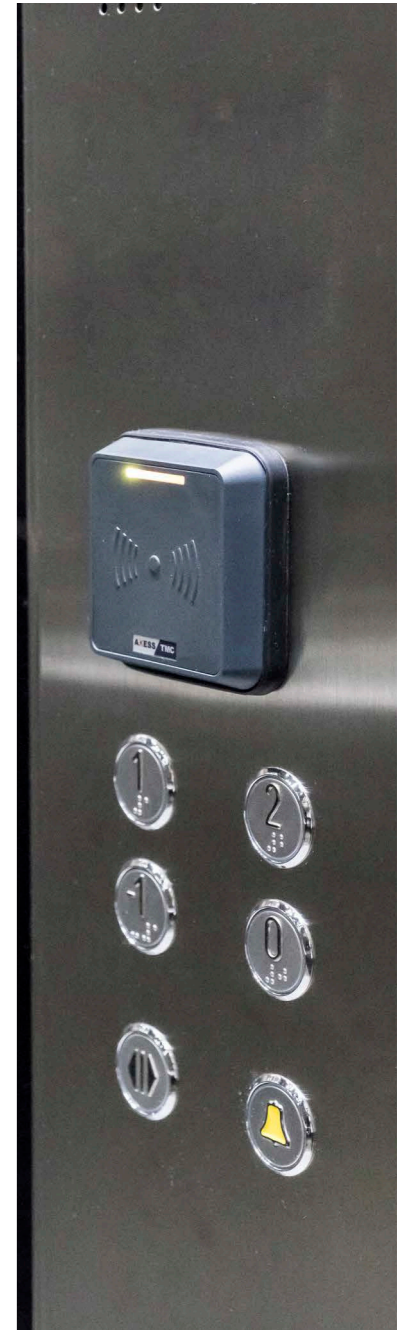


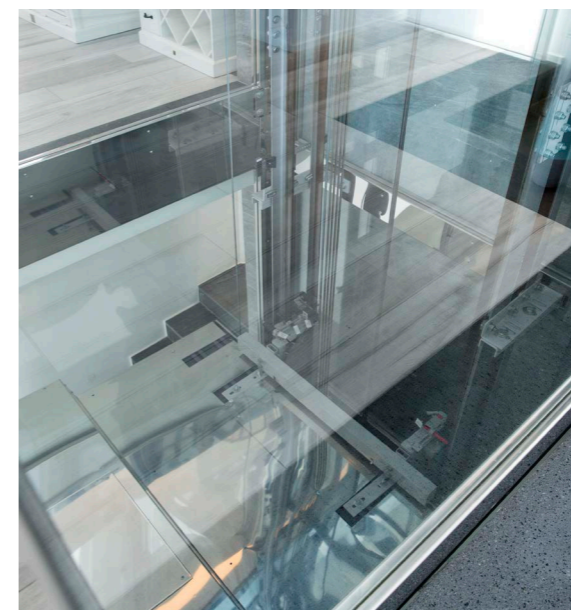
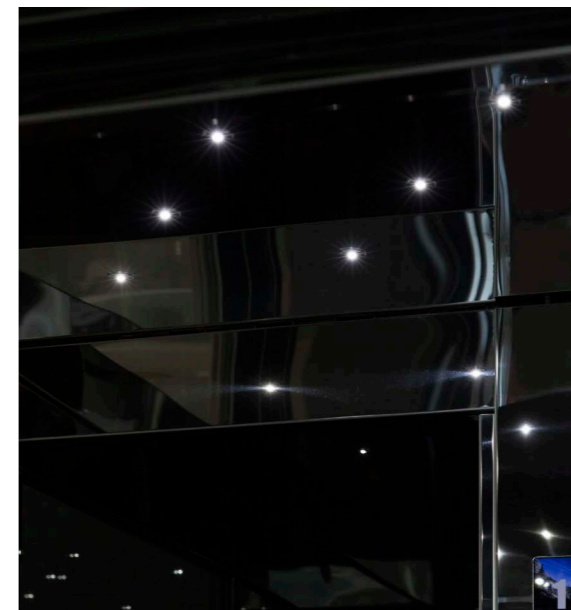


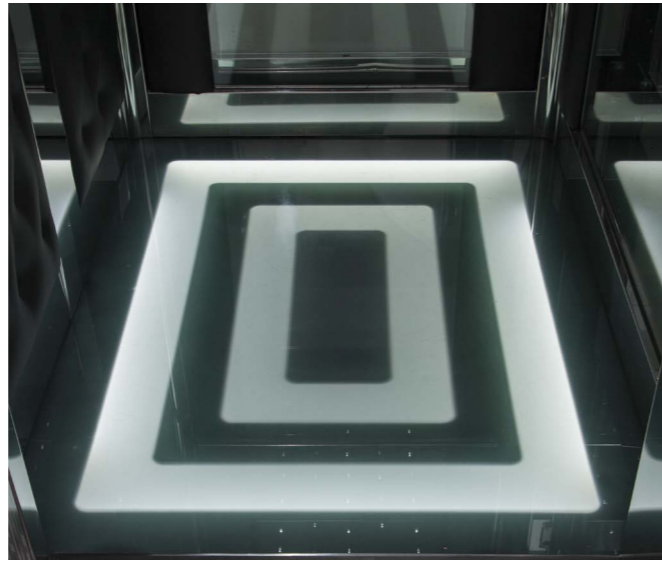
AESTHETICS

The service cabinet, positioned next to the top landing door, can be realized in the same materials and finishes as those of the landing doors. It also features a reduced depth.











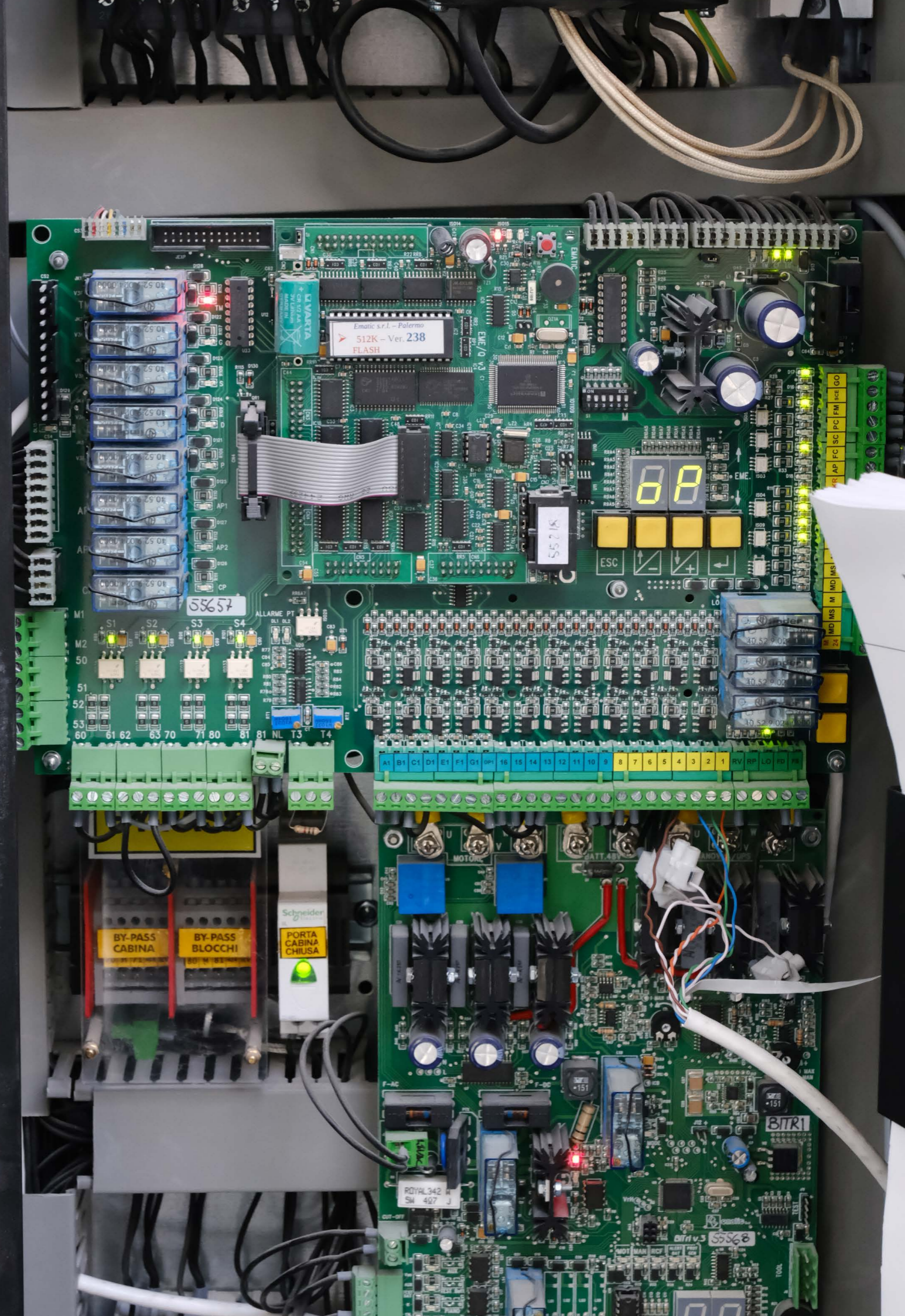
COMFORT

Thanks to its gearless motor and frequency speed control ensured by an inverter of advanced technology, greater driving comfort and total silence are achieved, both in the lift car and in the building.



EFFICIENCY

Improved system efficiency, reduction in the installed power and absorbed electricity, resulting in energy conservation, in terms of both consumption and fixed costs. Lower mechanical stress and motor temperature.





USE

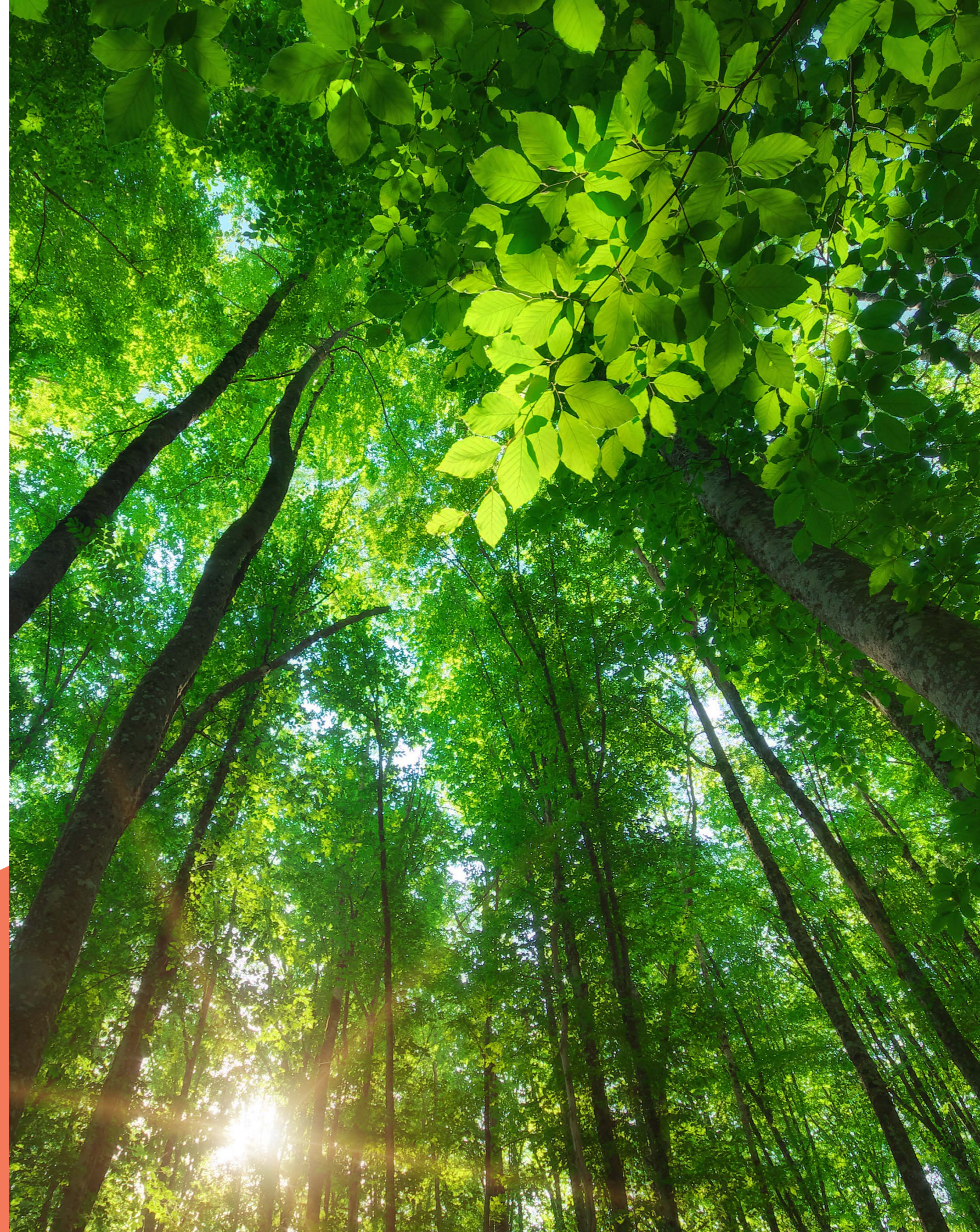
Ideal for use in public, private, industrial and commercial buildings, where particularly intense traffic is expected, as well as a greater performance requirement in serving a higher number of rides.





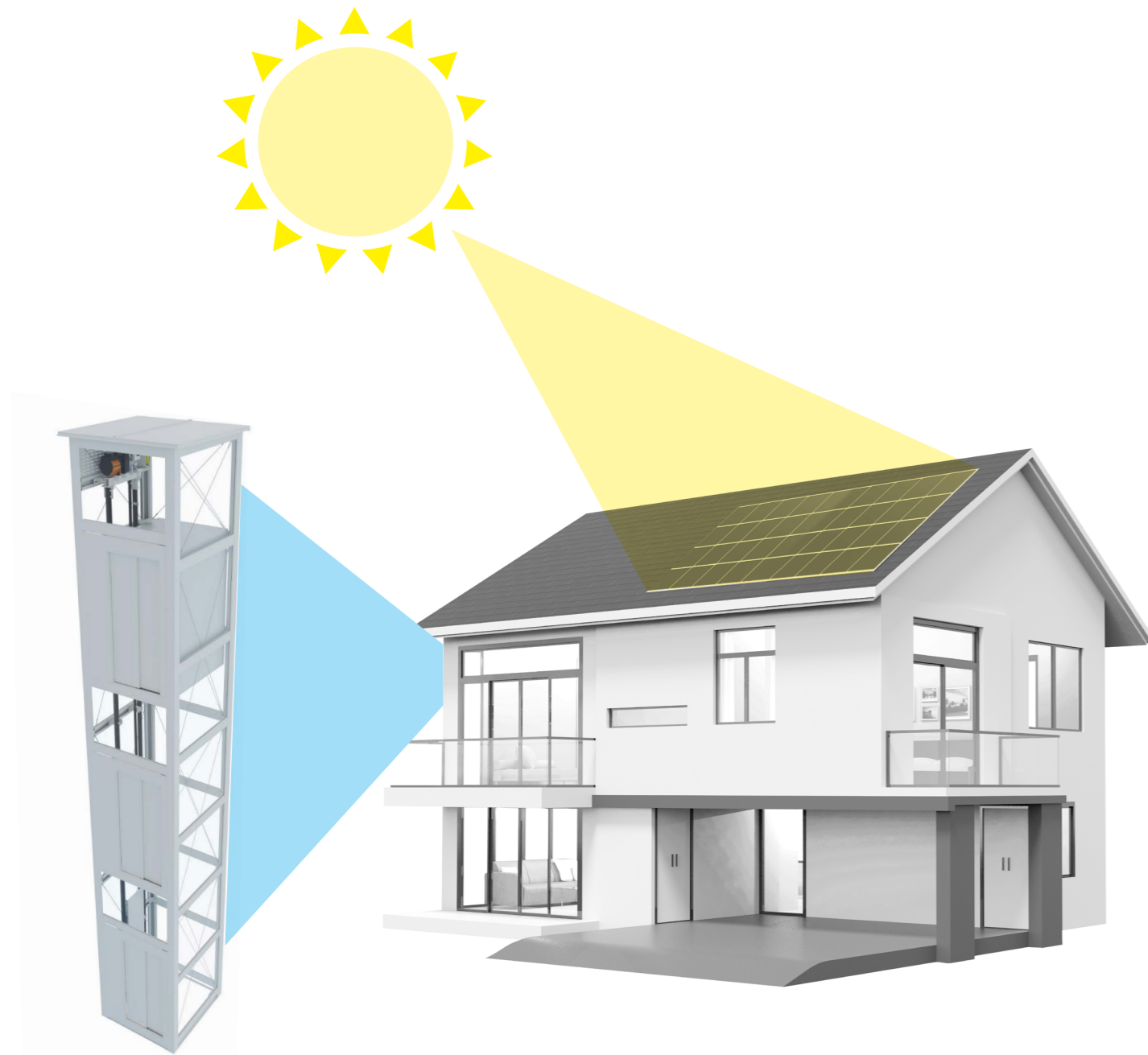
GREEN

Neither oil, nor lubricants are used for its operation, unlike, for example, in an oil-hydraulic lift plant. Moreover, except for the electronic parts and the magnets of new-generation motors, subject to specific disposal requirements, the entire lift plant is recyclable.



THE HYBRID TECHNOLOGY

Save with the sunlight



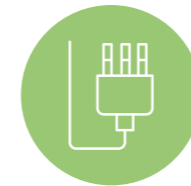
MRL PEGASO lifts can be optionally equipped with the innovative Hybrid Kit. The Hybrid Kit includes an additional battery pack and, in some cases, photovoltaic panels which make it possible to use the lift even in the event of a power failure. The elevator plant is therefore able to recharge its batteries by means of its own motion. This system, combined with integrated solar panel technology, can enable the lift to have an average energy consumption ranging between 1.5 kW and an actual zero kW (under all optimum conditions). MRL PEGASO Hybrid meets an important requirement for lifts: the optimisation of energy consumption while using a renewable energy source. MRL PEGASO Hybrid complies with the New EN 81-20&50. Available with load capacities up to 630 kg, in single, double, or triple access, PEGASO Hybrid can be designed with automatic sliding doors, or with foldable car-doors and manual swing landing doors in the semi-automatic version.

HOW THE HYBRID TECHNOLOGY WORKS



MRL PEGASO HYBRID RECOVERS ENERGY

The motor works like a dynamo, recharging the batteries whenever the car is moved in its favourable direction, i.e., with more than half the load being carried by the lift car in the downhill direction, and less than half the load in the uphill direction.



ONLY 1.5 KW

The system charges the batteries via the 230V single-phase mains. The motor is powered exclusively during the lift motion whereas, while being stationary, the batteries are recharged via the conventional mains or the use of a photovoltaic panel. The power employed varies between zero and 1.5 kW, depending on the use of the elevator plant.



MINIMAL CONSUMPTION

The system supports both energy recovery and the optional installation of a solar panel, in order to keep the batteries charged, thus reducing supply from the power grid.



ADAPTABILITY AND FLEXIBILITY

MRL PEGASO Hybrid's variable lift car size allows the elevator plant to be installed in new or existing buildings.



EVEN DURING BLACKOUTS

The energy stored by the battery keeps the system up in running, allowing normal boarding and alighting for a limited number of rides, even during prolonged power outages.

ENVIRONMENTALLY FRIENDLY

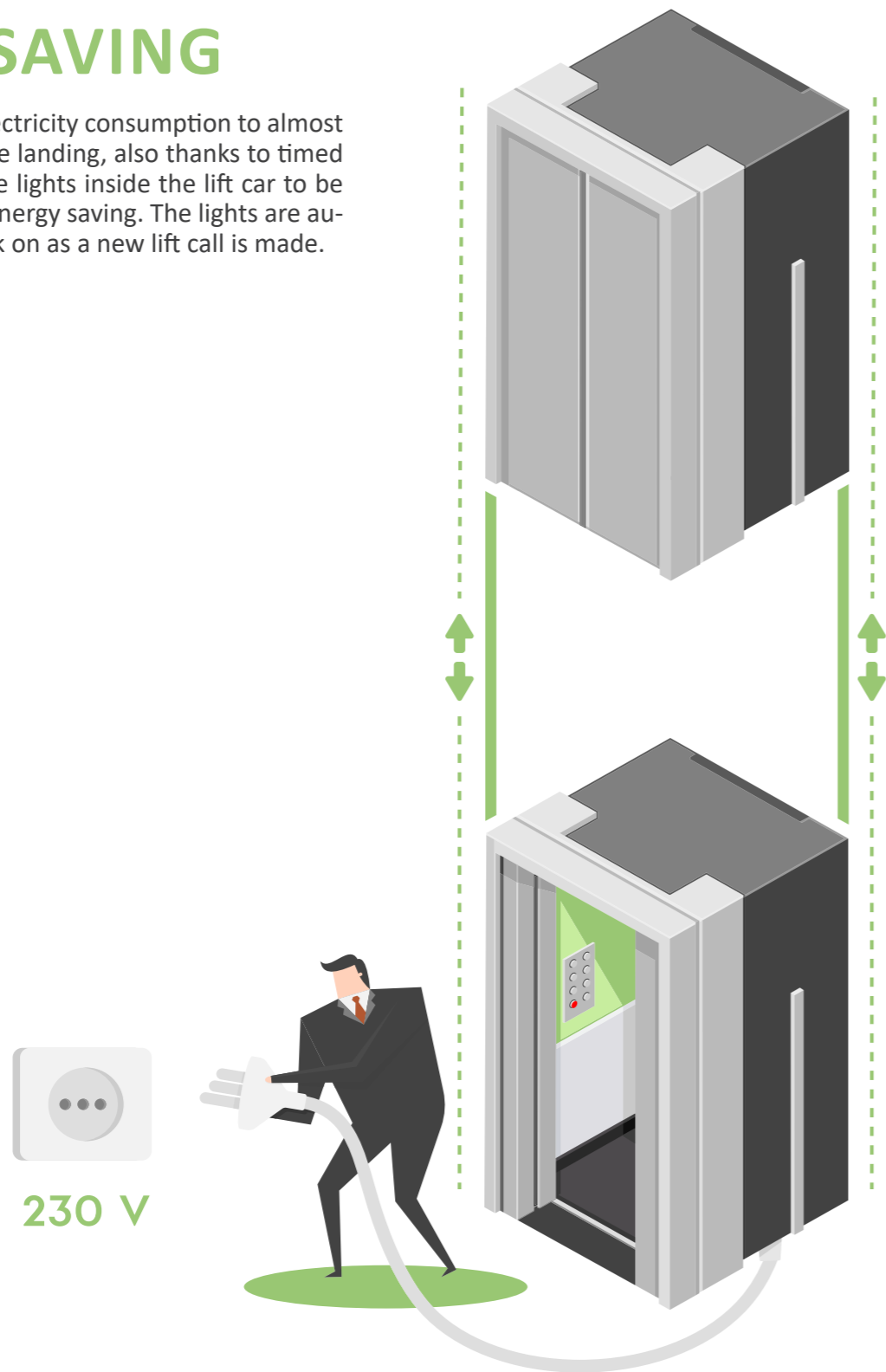
Thanks to its reduced consumption during the lift operation, and the possibility of being powered by a photovoltaic panel, MRL PEGASO Hybrid actively contributes to the safeguarding of the environment by adhering to the principles of the 'green economy'.

NO RESIDUES

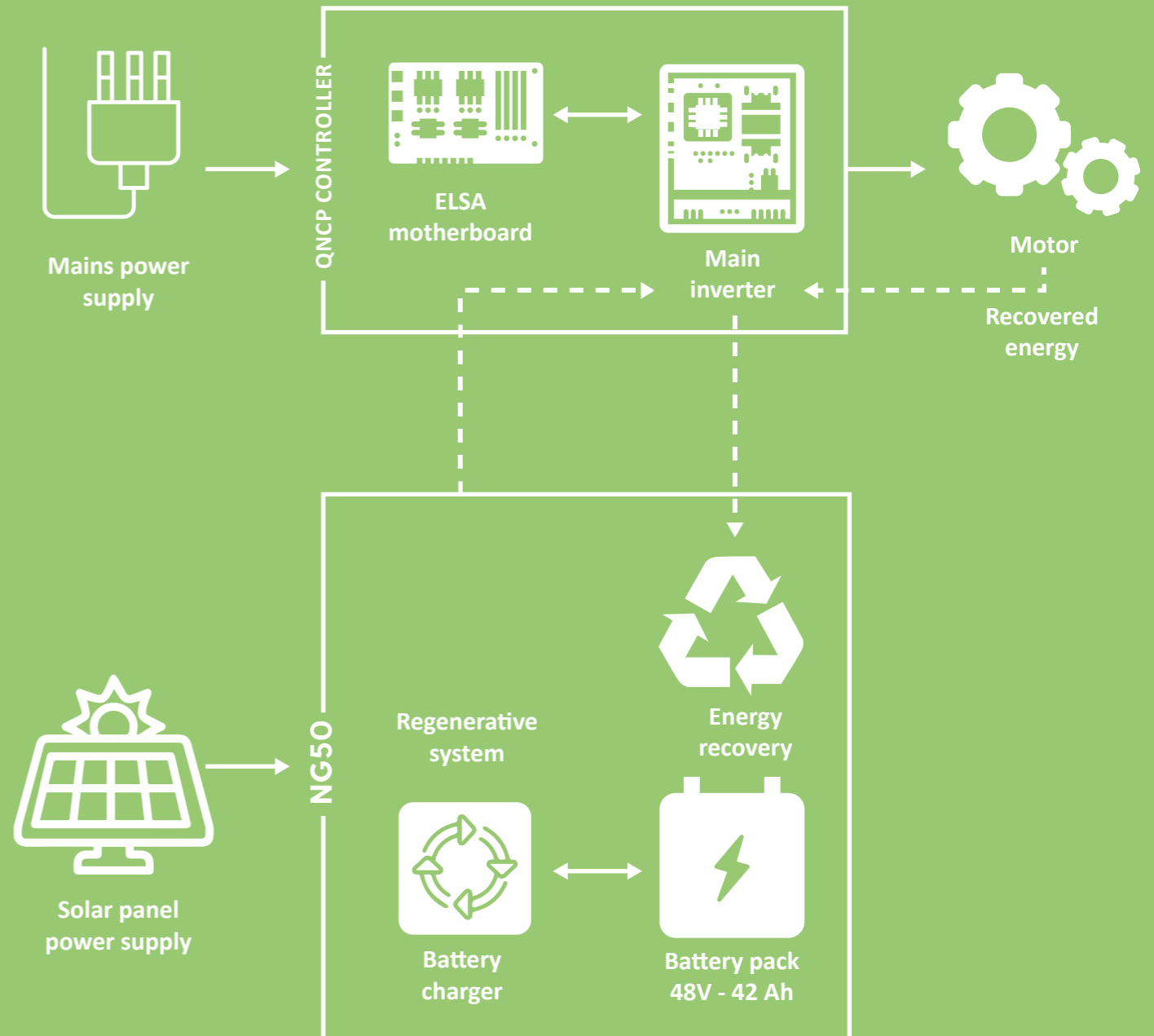
MRL PEGASO Hybrid does not generate any residues, and contributes to environmental protection thanks to its gearless motor, which requires no lubrication in addition to being long-lasting.

ENERGY SAVING

A system that reduces electricity consumption to almost zero when the lift is at the landing, also thanks to timed lighting, which causes the lights inside the lift car to be switched off for further energy saving. The lights are automatically switched back on as a new lift call is made.

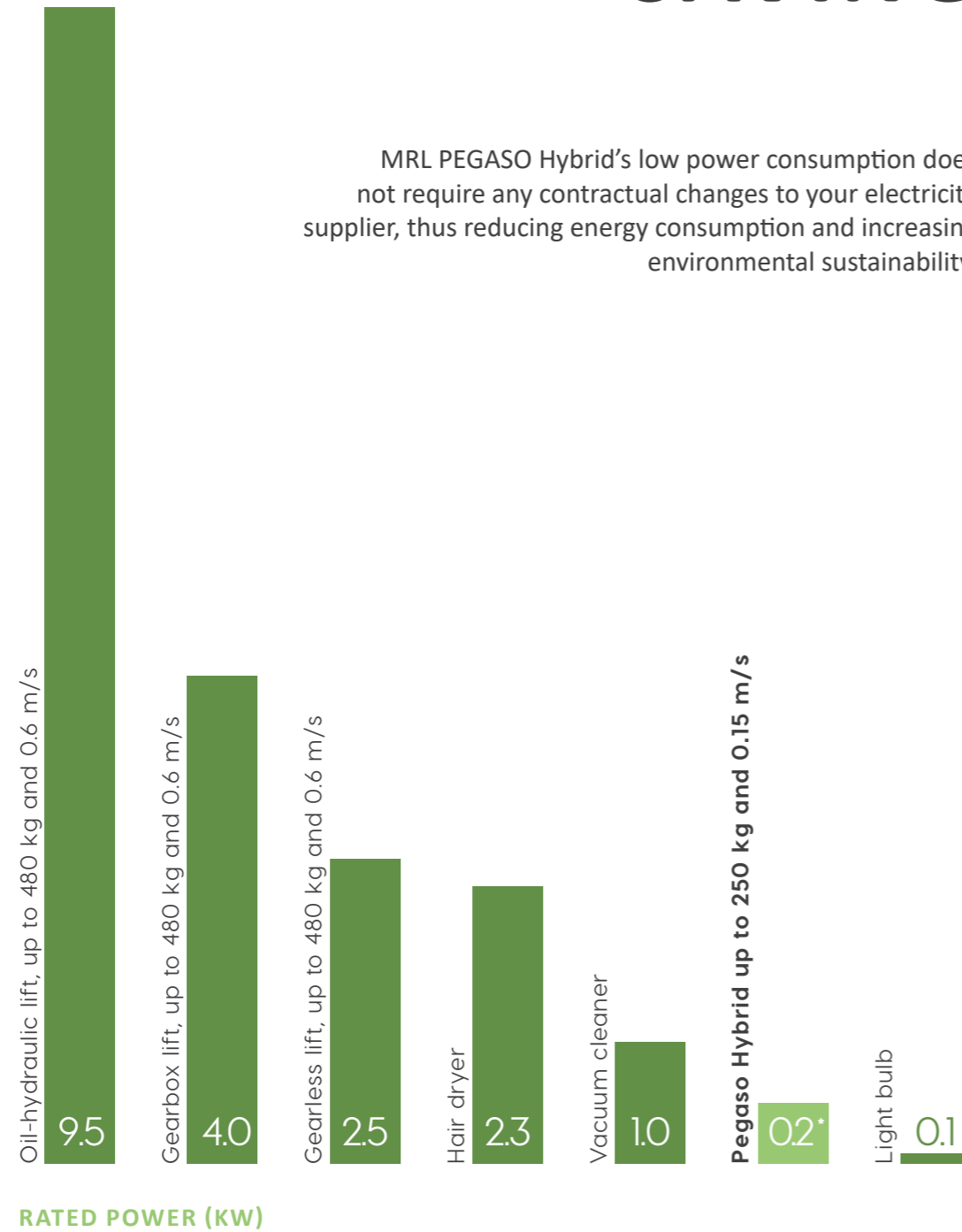


THE HYBRID TECHNOLOGY

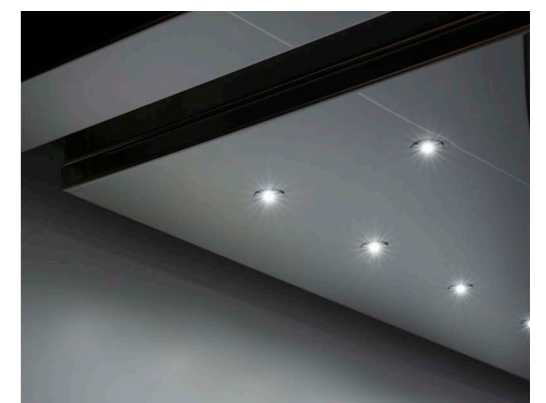
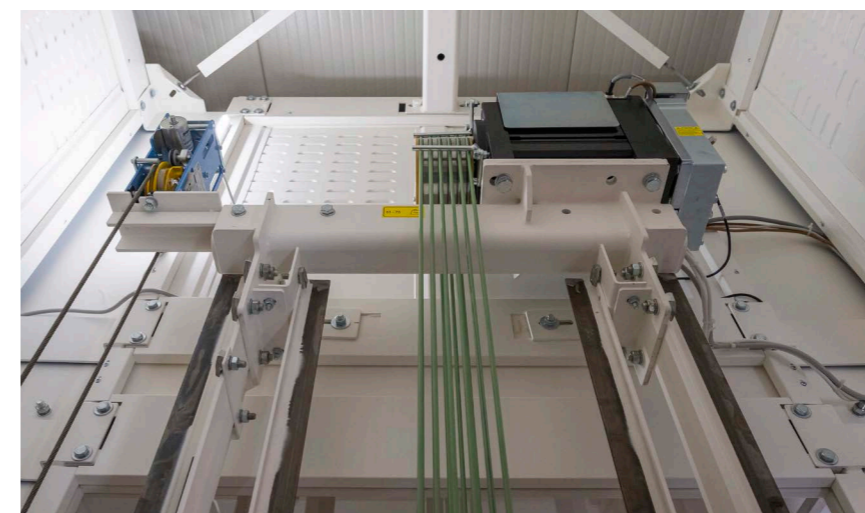
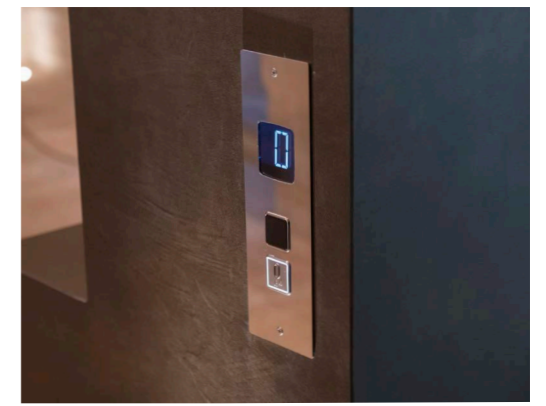


MISSION: ENERGY SAVING

MRL PEGASO Hybrid's low power consumption does not require any contractual changes to your electricity supplier, thus reducing energy consumption and increasing environmental sustainability.



* From zero to 0.5 kW, depending on elevator plant operation.





MADE IN ITALY

As with every CMAlifts' creations, this is an Italian project.



SAFETY

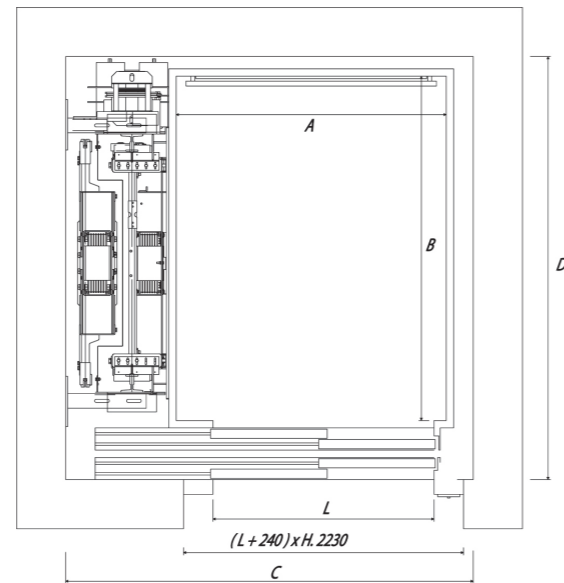
In addition to traditional safety systems, MRL PEGASO lift plants are reliable, as a frame anchored to the end of the lift car and counterweight guide rails, secures the motor in an absolutely stable position. Moreover, a mechanical blocking system on the guide rails guarantees control and stability of the car position during maintenance service operations.


AN IMPORTANT OPTION

The optional Vedo kit, which comprises a camera in the lift shaft and a monitor in the top-landing cabinet, allows the user to watch the traction pulley, as well as control the movement direction of the lift car.



THE MRL PEGASO LIFT PLANT



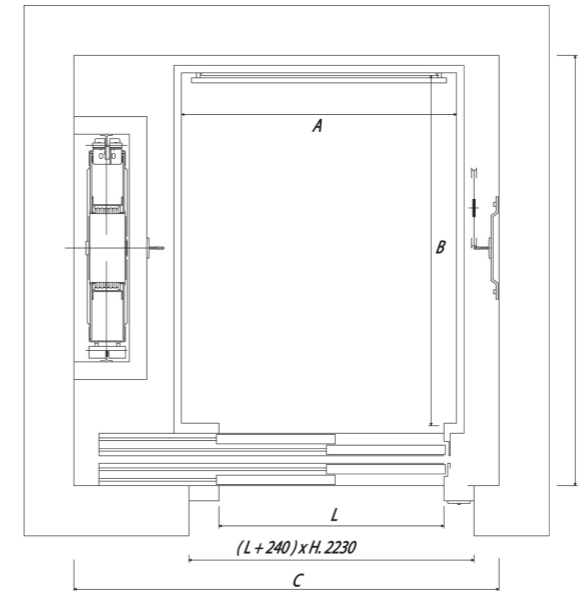
 All lift configurations are available with side or back car frames, with 1 access, 2 opposite accesses, 2 side accesses, 3 accesses, and with the lift shaft in masonry or steel structure.


Rev.3 - 14TH/03/2022-EN

Technical features							
Rated load capacity	Kg	350 (**)	480 (**)	630	800	1000	1250
N. of people	n°	4	6	8	10	13	16
Lift car measurements	A x B mm	800x1200	950x1300	1100x1400	1300x1500	1100x2100	1200x2300
Lift shaft measurements (min)	C x D mm	1370x1520	1500x1620	1700x1720	1970x1830	1760x2430	1900x2630
Opening (H = 2000 mm)	L mm	750	800	900	1000	1000	1100
Doors	-	Telescopic - For central doors, please call our sales department					
Accesses	-	1 access - For 2 or 3 accesses, please call our sales department					
Pit (*)	mm	1250	1200	1200	1350	1200	1250
Travel (*)	m	50	50	50	50	50	50
Headroom (*)	mm	3750	3500	3750	3750	3750	3750
Rated speed	m/s	1	1	1	1	1	1
Motor power (*)	kW	2.5	3.5	4.5	6	7	8.5
Roping	-	1:1	1:1-2:1	1:1-2:1	2:1	2:1	2:1
Operation	-	MRL					
Controller	-	Universal, collective simplex, duplex					
Power supply	-	400V three-phase (** available in 230V single-phase and speed of 0.6 m/s)					

All data referring to the measurements of the lift cars are purely indicative and illustrative. The actual measurements of the car and lift shaft structure will be finalised in the quotation.

THE MRL PEGASO DUE LIFT PLANT



 All configurations are available with 1 access, 2 opposite accesses, and with the lift shaft in masonry or steel structure.

Rev.3 - 14TH/03/2022-EN

Technical features									
Rated load capacity	Kg	350 (**)	480 (**)	630	800	1000	1250	1600	2000
N. of people	n°	4	6	8	10	13	16	21	26
Lift car measurements	A x B mm	800x1200	950x1300	1100x1400	1300x1500	1100x2100	1200x2300	1400x2400	1500x2700
Lift shaft measurements (min)	C x D mm	1420x1530	1550x1630	1700x1730	1930x1830	1730x2430	1950x2630	2160x2740	2280x3040
Opening (H = 2000 mm)	L mm	750	800	900	900	900	1100	1200	1300
Doors	-	Telescopic - For central doors, please call our sales department							
Accesses	-	1 access - For 2 or 3 accesses, please call our sales department							
Pit (*)	mm	1200-1500	1200-1500	1200-1500	1200-1500	1200-1500	1200-1500	1300-1500	1300-1500
Travel (*)	m	50	50	50	50	50	50	50	50
Headroom (*)	mm	3750-3850	3500-3750	3500-3750	3750-3850	3750-3850	3750-3850	3750-3900	3750-3900
Rated speed	m/s	1-1.6	1-1.6	1-1.6	1-1.6	1-1.6	1-1.6	1-1.6	1-1.6
Motor power (*)	kW	2.5-4.5	3.5-5.5	4.5-7	6-9	7-10.5	8.5-13.5	12.5-20	14-21
Roping	-	2:1	2:1	2:1	2:1	2:1	2:1	2:1	2:1
Operation	-	MRL							
Controller	-	Universal, collective simplex, duplex							
Power supply	-	400V three-phase (** available in 230V single-phase and speed of 0.6 m/s)							

All data referring to the measurements of the lift cars are purely indicative and illustrative. The actual measurements of the car and lift shaft structure will be finalised in the quotation.



CUSTOMISATIONS

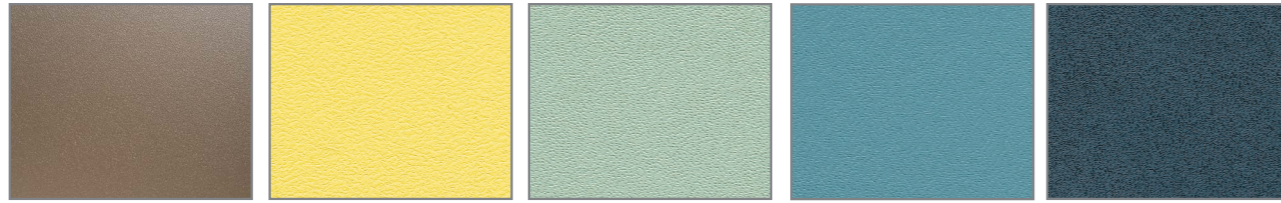
Choose from a wide range of materials to make your lift plant unique and perfectly in line with your own taste.

PLASTIC-COATED STEEL SHEET

NORMAL

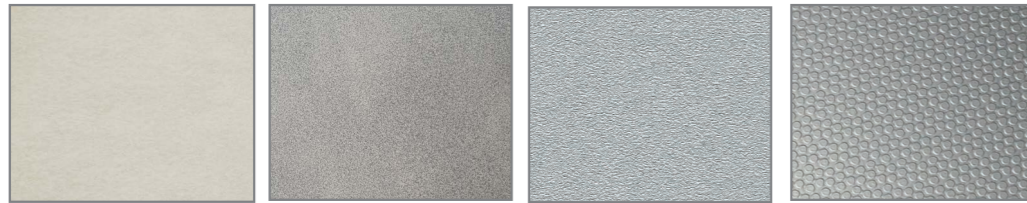


White Ivory Light grey Red Black



L4SMA Gold G22SMA Pastel Yellow V14 Pastel Green B13 Light Blue N4 Dark Grey

SPECIAL



DT29SMA Coarse Sand DT32SMA Granite Textures F21SMA Aluminium Type F21PVA Scratchproof



PPS5 PPS10 PPS11 PPS12

CO-LAMINATES



F12PPS Steel effect

PLASTIC LAMINATES

WOOD EFFECTS



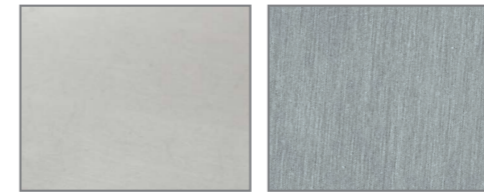
1643 Cherry wood soft grain finish 1609 Cherry Pavese SEI-DUE finish 1306 Briar Root soft grain finish 1324 Italian Walnut soft grain finish



313 Wengè nutshell finish 1385 White Ash cross laminated finish 1381 Transversal oak cross laminated finish 1619 Transversal durmast cross laminated finish

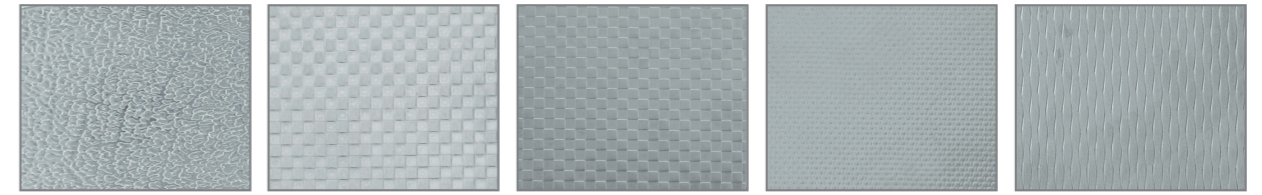
STEEL RANGE

STANDARD STEEL



BA polished stainless steel Scotch Brite stainless steel

ANTI-SCRATCH STAINLESS STEEL



Leather grain polished Dama polished Quadro polished Linen polished 2WL polished

COLOURED STAINLESS STEEL



Mirror polished Gold polished Bronze polished Titanium polished Red polished

DECORATED STAINLESS STEEL



S.C. 211 Green S.C. 111 Mirror S.C. 213 Oro S.C. 321 Gold Blue Stripes

LINOLEUM

MARBLE EFFECT



616 Mustard 628 Yellow 732 Brown 734 Orange 753 Green



688 Blue 672 Grey 674 Black

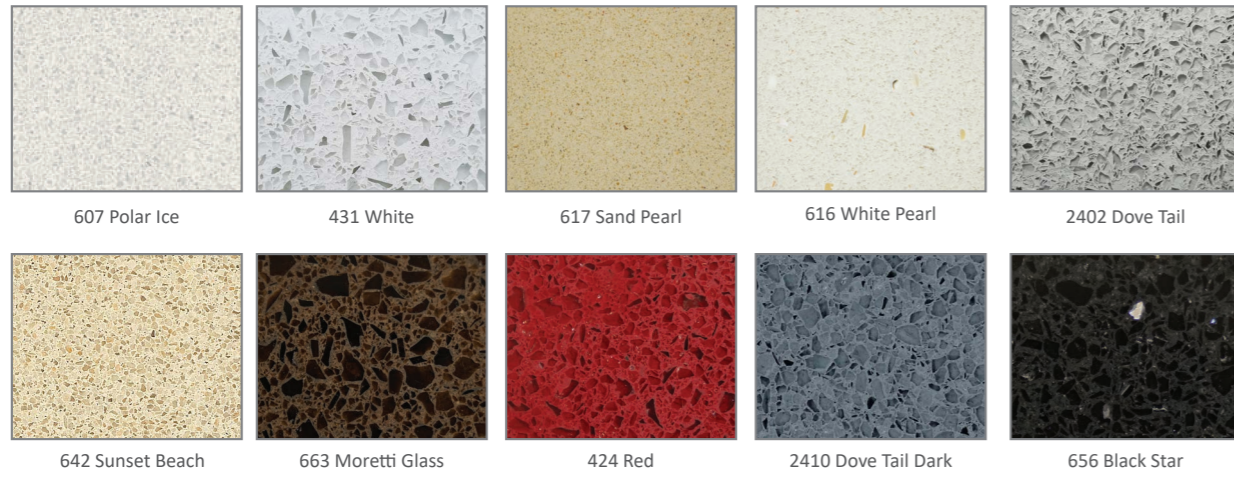
PVC



543 Ivory 498 Grey 3820 110 Venus Grey 3820 180 Mercury Grey 3820 100 Quasar Black

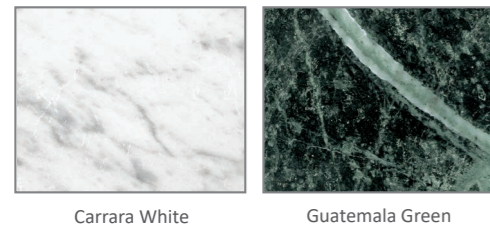
Non-slip
PVC R10

ROCKSOLID

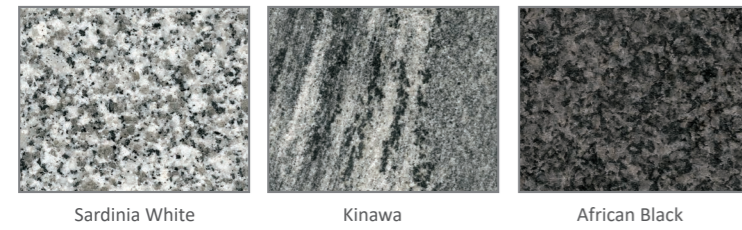


STONE MATERIALS

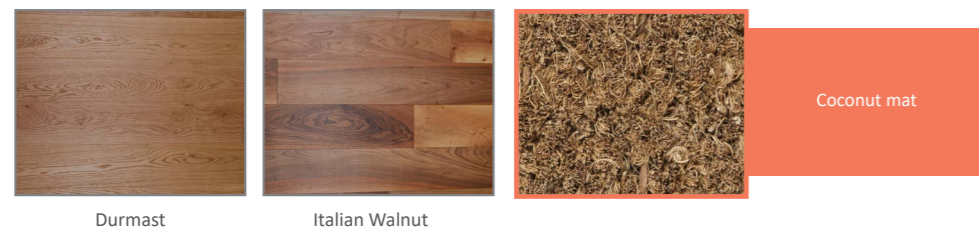
MARBLE



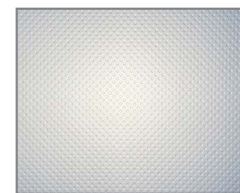
GRANITE



PARQUET



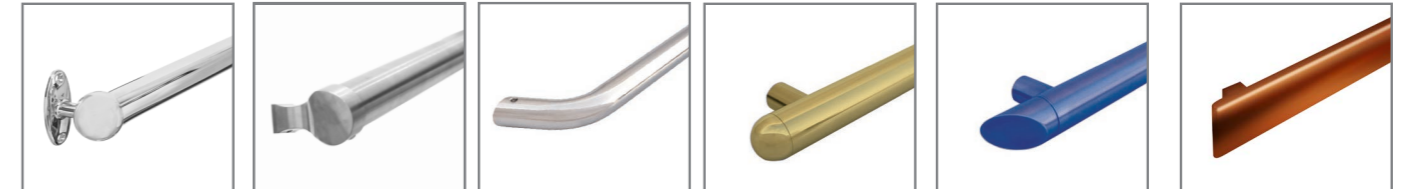
GLASS



Milk-white walk-on glass flooring with non-slip surface texture.

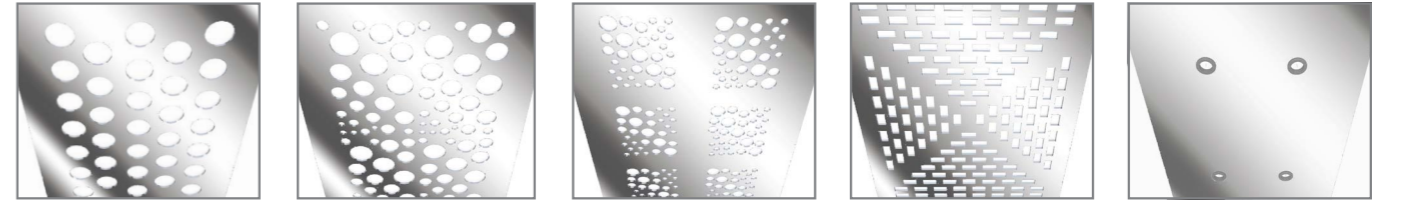
ACCESSORIES

HANDRAIL



Standard chrome handrail Scotch Brite or polished | Steel handrail Scotch Brite or polished | Handrail 81.70 steel Scotch Brite or polished | Semi-spherical steel handrail Scotch Brite, polished or coloured finish | Handrail 45° steel Scotch Brite, polished or coloured finish | Steel handrail flat bar Scotch Brite, polished or coloured finish

LIGHTING

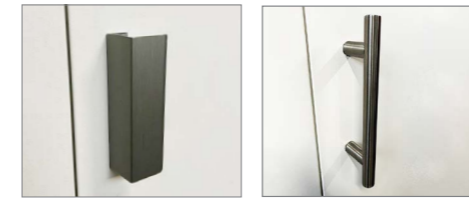


Standard multi-hole drop-down ceiling | Bubble multi-hole drop-down ceiling | Rectangle multi-hole drop-down ceiling | Multi-hole drop-down ceiling in pyramids of rectangles | Multi-hole drop-down ceiling with spotlights



Labyrinth patterned drop-down ceiling | Plexiglass lighting | LED panel lighting | Spotlight lighting | Starry sky (LED point lights)

DOOR HANDLES



Standard door-handle | Door handle bar

GSM SYSTEM



Micro TSA



EXTRACTOR FAN

SEAT



Folding seat in glossy white RAL 9016 or matte black

BUMPER



Wooden bumper | Steel or sheet steel bumper | PVC bumper

COMPONENTS

OIL-HYDRAULIC PARTS



Oil-hydraulic power-pack unit



Oil-hydraulic Piston

ELECTRIC PARTS

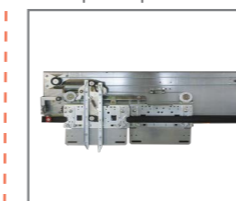


Controller Oil-hydraulic lift plant

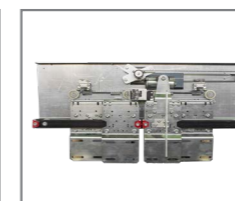


Controller MRL lift plant

MECHANISMS AND AUTOMATISMS



Door operator

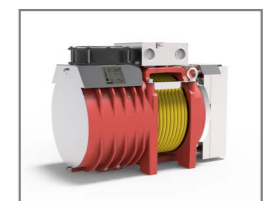


Door suspension



Automatic swing door operator

MACHINE



Gearless motor

Upon agreement with CMAlifts' sales office, we can supply other typologies of colours and materials. The colours of materials in this chart may not faithfully match the actual ones.



C.M.A. S.r.l.
S.P. 238 Km 11,728 - 70033 Corato (BA) - Italy
TEL. +39 080.3588714 - FAX + 39 080.8729113
INFO@CMALIFTS.COM - INFO@PEC.CMALIFTS.COM
CMALIFTS.COM

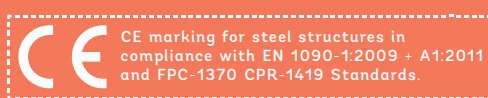


CMAlifts was founded in January 2001, further to an ambitious idea by the brothers Messrs Giulio and Gaetano Caputo, with a mission centred on the model of an industrial company with a craftsman's heart, which manufactures homelifts, passenger lifts and elevators for civil and industrial use, focusing on customer care, product quality, personnel safety, and environmental safeguard.

It is an industrial manufacturer whose craftsman's heart has been retained to such an extent that it can mix the most futuristic hi-tech solutions with the creativity and excellence of its skilled workers.

CMAlifts' reference marketplace has no boundaries. Deeply rooted in the national Italian territory, CMAlifts is a leading player in Europe, North Africa, Middle-East and Australia. The constant increase in orders from foreign trades has been the result of a widespread presence at national and international trade fairs.

Strengthened by the experience gained over time, specific technical and design demands are assessed and addressed with extreme care and expertise. Solutions are shaped together with customers, with a working method that distinguishes each phase: order management, design, production, and on-site delivery by means of its own means of transport.



C.M.A. S.r.l.
S.P. 238 Km 11,728 - 70033 Corato (BA) - Italy
TEL. +39 080.3588714 - FAX + 39 080.8729113
INFO@CMALIFTS.COM - INFO@PEC.CMALIFTS.COM
CMALIFTS.COM