

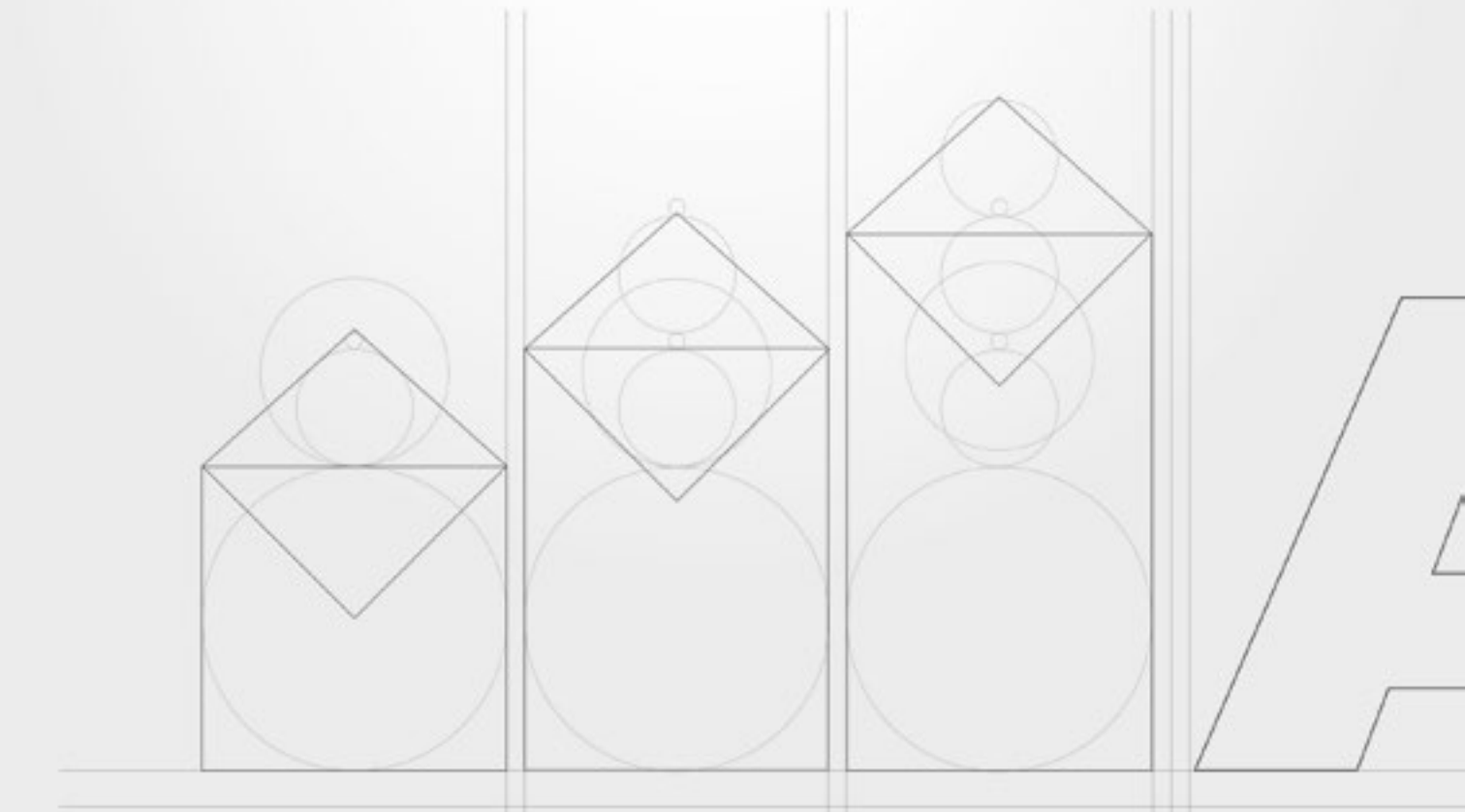


ZEN - 0

Battery-powered Electric Lift

Table of contents

OUR STORY	5
The first company to produce battery-only plants	6
OUR TECHNOLOGY	9
The regenerative electric lift	10
Our eco-sustainable technology	12
0-meter	14
0-blackout	16
Other benefits of ZEN-0	18
CONFIGURATIONS ZEN-0	21
Tailor-made projects	22
Versions	24
Automatic doors	26
Swing doors	30
Car	34
Metal structure	40
FINISHES & ACCESSORIES	43
Finishes	44
Accessories	54
TECHNICAL SPECIFICATIONS	61



01
OUR STORY

THE FIRST COMPANY TO PRODUCE BATTERY-ONLY PLANTS

A.R.E Srl was founded in 2009 thanks to the Franco Antonelli's futuristic vision.

Born in 1938, Franco had been acquiring experience in the sector since 1953 when, in 1995, he was the first person to develop a technology which allowed platforms, up until that point considered unsafe and with limited installation potential, to surpass the 4-metre limit and become reliable and incredibly energy-efficient products.

In 2003, he introduced another important innovation into the elevation sector, using batteries as the main source of power for Lifts.

Up until that point, batteries had been used on the side lines and only for lifting platforms. Franco's vision materialised into a successful venture: A.R.E., acronym for Ascensori a Risparmio Energetico (N.d.T. Energy-Saving Lifts) is a young, dynamic company investing constantly in the development of new solutions and technologies capable of guaranteeing its lifts maximum efficiency and respect for the environment.



We don't just manufacture lifting systems, we create lifestyle solutions, where energy saving and ecological sustainability lie at the heart of the choice of product to be installed in your home or workplace.



02

OUR TECHNOLOGY

THE REGENERATIVE ELECTRIC LIFT

ZEN-0 is a major step forward in the world of electric lifts. Like all our lifts, it benefits from **ARE SMART POWER** technology. This technology brings many **advantages**.



MAXIMUM POWER USED

ZEN-0 consumes only 500W of power, on a par with what is needed for an everyday electrical appliance.



ENERGY RECOVERY SYSTEM

While in use, the energy produced by ZEN-0 is not wasted as heat but stored in the batteries which optimises the lift's performance levels and dramatically reduces electricity supply costs.



PHOTOVOLTAIC PANELS

The lift's **Photovoltaic Panel** allows you to take advantage of the renewable energy generated by the sun.



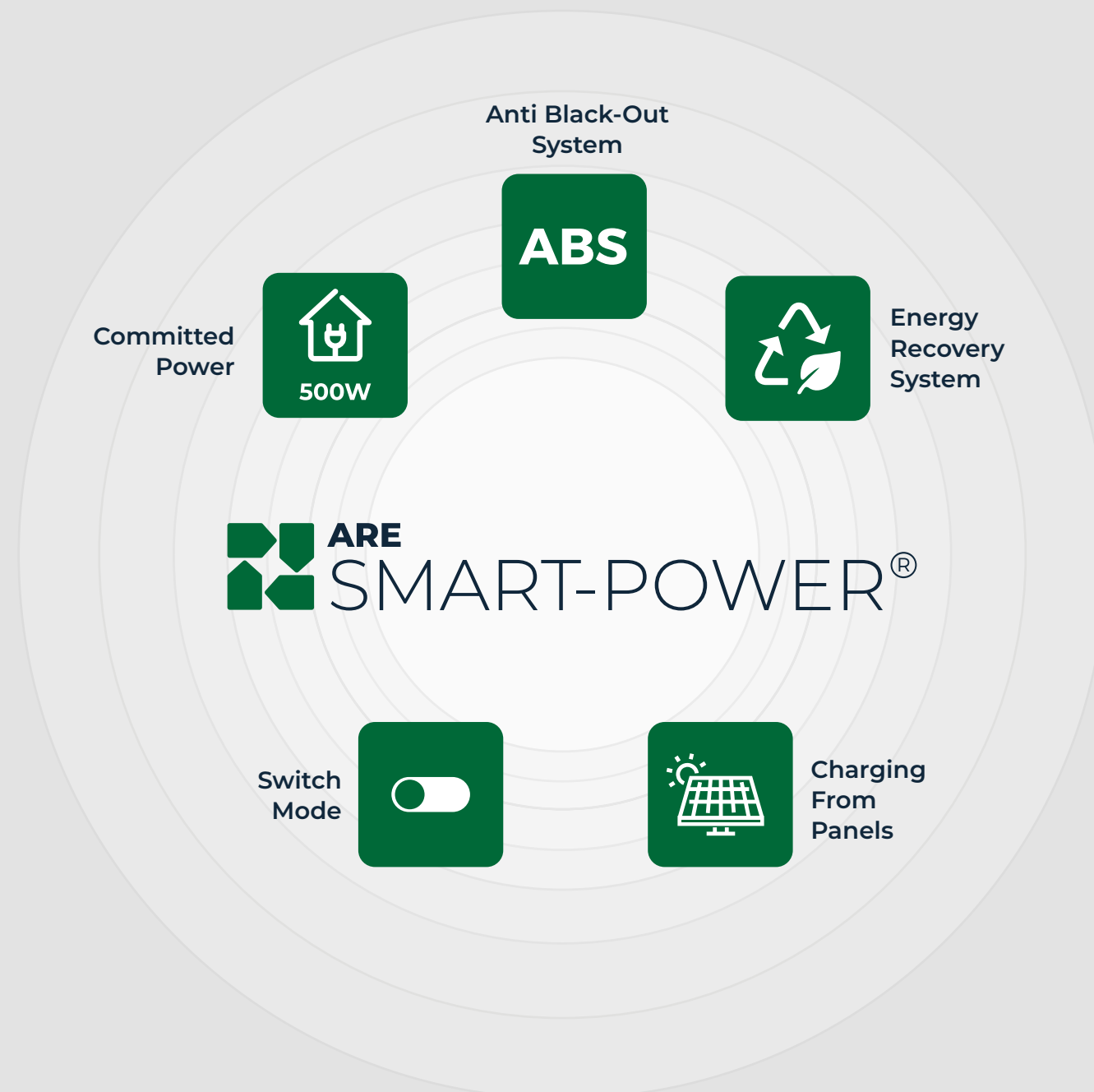
ANTI BLACK-OUT SYSTEM

The main ZEN-0 power system is battery-driven, so the lift can be used normally even if there is an unexpected power cut.



SWITCH MODE

This switches the ZEN-0 power system from batteries to mains, informing the passenger with an illuminated icon. In **SWITCH MODE**, ZEN-0 moves slower so it remains within the parameters of the electricity meter installed.



OUR ECO-SUSTAINABLE TECHNOLOGY

WE PROTECT THE ENVIRONMENT IN ORDER TO PROTECT OUR FUTURE

ARE is constantly investing in research into eco-sustainable solutions that significantly contribute to reducing the impact on the environment. Our technicians have taken this direction in developing ARE SMART POWER. The energy recovery System and the presence of solar panels ensure that the minimum amount of electricity is absorbed from the power grid.

ENERGY RECOVERY SYSTEM

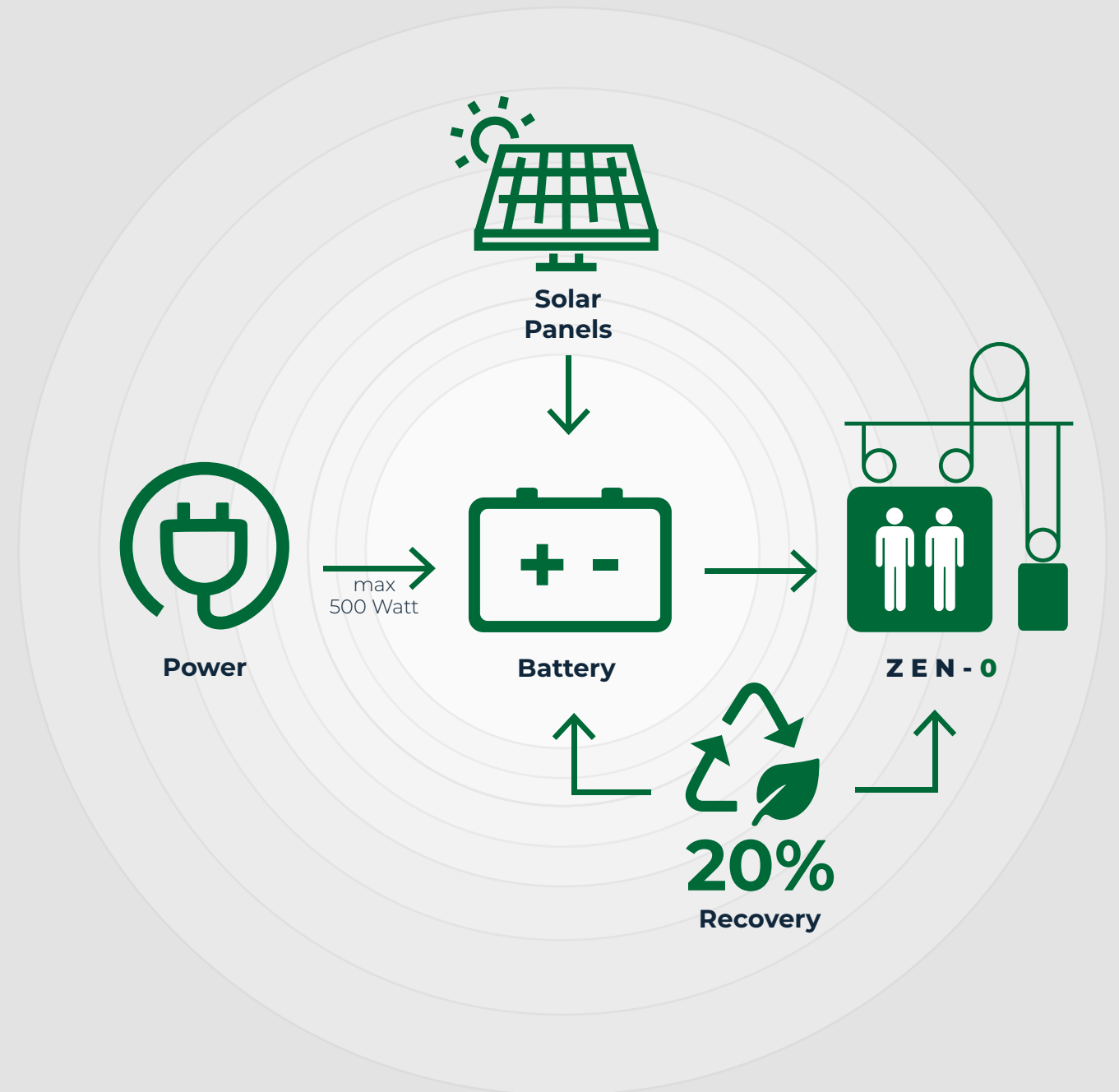


The ZEN-0 Platform can generate energy during normal usage phases: when the cabin is going up empty or when it is going down and is full. The energy produced is not lost but stored in the batteries. Thanks to the use of this technology, on average, one in every five times it is used, it does not absorb energy from the grid but uses what has been stored in the batteries. Self-powering guarantees a real reduction in consumption which translates into lower running costs.

CHARGING FROM SOLAR PANELS



The ARE SMART POWER technology allows you to make the most of the renewable energy generated by the sun to recharge the batteries and minimise the amount absorbed from the power grid, all done by simply installing a solar panel. This solution not only reduces the cost of electricity needed to use the Lift but guarantees respect for the environment by taking a large leap towards a sustainable economy and use of circular energies.

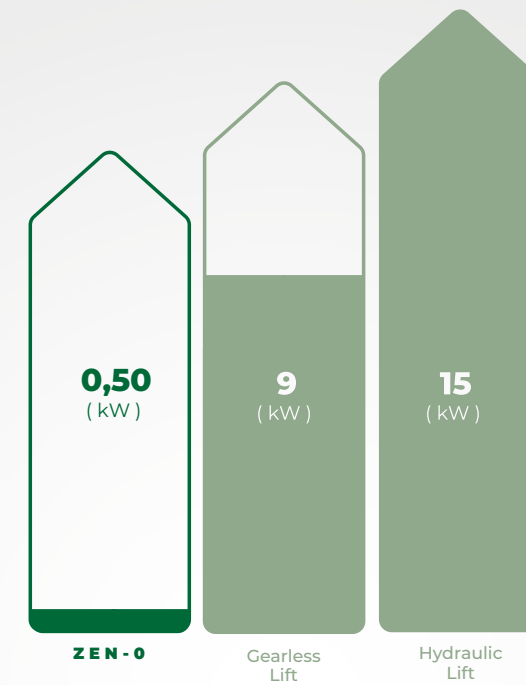




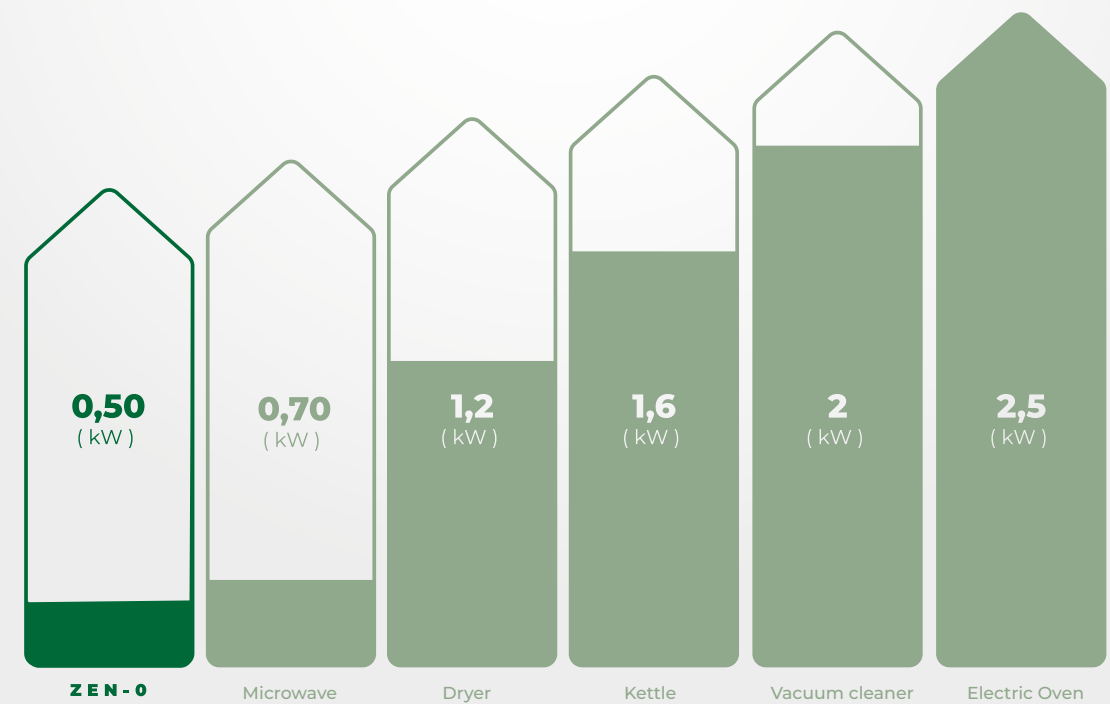
O-METER

The maximum power consumed by **ZEN-0** is just 500W. There is no need to adjust your domestic meter or install another, higher capacity one, as is required for all other lifts. The standard power meter installed in all homes or the building meter in a block of flats is sufficient.

Z E N - 0 | Other lifts



Z E N - 0 | Other household appliances



ABS

0-BLACKOUT

Remaining trapped due to an unexpected power outage is a problem that nearly all new lifts have overcome.

But being able to continue using the lift as if the power were still on is a feature very few lifts offer. ARE has perfected this technology right from the beginning and includes it on all its lifts.

ZEN-0 is no exception. It ensures functionality and constant accessibility for everyone, even during prolonged power outages.



NOT JUST ENERGY SAVINGS

OTHER BENEFITS OF ZEN-0



COMFORT AND SILENCE

The silence achieved by our new **ARE SMART-POWER** technology gives **ZEN-0** lift passengers a pleasant sensation of comfort during travel.



NO MACHINE ROOM

With **ZEN-0**, no space is required to house hydraulic control units and manoeuvring switchboards. The motor unit is located inside the lift well and the manoeuvring switchboard can be incorporated into a floor door.



ECO-FRIENDLY AND CLEAN

ZEN-0 respects the environment because it does not use any kind of oil, even as a lubricant for the guides.



03

CONFIGURATIONS

TAILOR-MADE PROJECTS

Designing tailor-made lifts is one of our key strengths.

We research and create specific solutions that satisfy all installation requirements even in tight spaces

Our standard is non-standard.

Every **ZEN-0** we design is a unique product constructed specifically to meet your needs.

The opportunity to choose from a wide range of colours and finishes allows you to customise your **ZEN-0** and ensure it blends in perfectly with the environment it is installed in.



VERSIONS

The following configurations are available for the ZEN-0 lift:

FOLDING CAR DOOR



AUTOMATIC DOORS



AUTOMATIC DOORS

Automatic floor and cabin doors complete with threshold unit floor-flush frame suspension with stainless-steel facing and threshold cover. Available with telescope closure with 2 wings or 3 wings and central closure with 2 and 4 wings. Folding cabin doors with electronic command system complete with operator wings and threshold, movement controlled by a mobile frame.

STANDARD



FIRE RESISTANT



Automatic fire door EI 60 e EI-120.

GLASS & METAL



Panoramic laminated glass and metallic frame.

TOTAL GLASS



Laminated clear glass, polished stainless steel upper and lower fixing devices.

STAINLESS STEEL ✓

RAL PAINT FINISH ✓

LAMINATED SHEET ✓

GALVANISED & RAL PAINT FINISH ✓

FOLDING DOOR



STAINLESS STEEL ✓

RAL PAINT FINISH ✓





SWING DOORS

Semi-automatic swing doors, manual opening and automatic closure by return spring. Adaptable to any environment, with combinations of finishes, colours, glass and sizes.

WINDOW

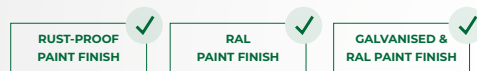


- RUST-PROOF PAINT FINISH
- RAL PAINT FINISH
- GALVANISED & RAL PAINT FINISH



FIRE RESISTANT

EI-120 Fire resistant single panel swing door with electrical safety lock. Semiautomatic, manual opening and automatic closing with return spring and damper, uprights with carters.



THERMAL BREAK

Thermal break door to a hinged degree of transmittance thermal $U = 2,12 \text{ W/m}^2\text{K}$ mineral wool in the leaf and in the frame (box). Gaskets of parafreddo stop along the door perimeter and lower floor hood profile.

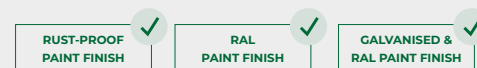


ARMOURED

Armored door with reinforced frame and door leaf, steel hinge. Armored lock with 4 pins with or without latch variant key/ key or external key inner shell. Semiautomatic, manual opening and automatic closing by return spring and shock absorber, uprights carterized. Vertical guardrails on request.



1. Armoured lock

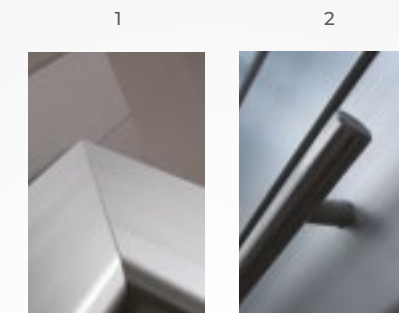


32 / 31

The portrayal of the products and colours is for explanatory purposes only.

ALLUMINIUM

Single panel Alluminium Panoramic model swing door with mechanical safety lock. Leaf made by extruded aluminium profile and panoramic glass without glazing beads, uprights and lintel made by extruded aluminium if the width is 100 mm, if different built in steel sheet and aluminium covered, stainless steel sill profile. Semiautomatic, manual opening and automatic closing with return spring and damper. Uprights with carters.



1. Profils in natural silver color anodized aluminium
2. Stainless steel tube handle T20

CRYSTAL

Crystal model single panel swing door with safety lock. Leaf in tempered laminated 8+8 glass, stainless steel handle and hinges. Semiautomatic, manual opening and automatic closing with adjustable hydraulic door closer, located inside the lintel and provided with 90° stop. Uprights with carters.



1. Handle in stainless steel RC40
2. Handle in stainless steel T20 e T30
3. Handle in stainless steel TC30
4. Handle in stainless steel R40

The portrayal of the products and colours is for explanatory purposes only.



CAR

MONOLITH

A modern design for an exclusive result

The Monolith car features a subtle and elegant line and can be customised to suit even the most demanding clients' requests.

The standard product can be enhanced by choosing the skirting board and button in different materials and colours from those on the walls.

Every detail has been thought out

The side panels are always designed in proportion to the central panel whatever the size of the car.

The same proportion continues in the cabin's roof profiles with a perfectly harmonious result.

Highly robust and silent

The walls with vertical slats are not only aesthetic and design elements, but also have the dual function of increasing sturdiness and simplifying the Monolith assembly process.

Furthermore, the exclusive design significantly reduces the noise caused by micro vibrations.

The final effect is to make ZEN-0 even quieter and more comfortable.



ELEGANT

The new design proposal

Elegant is the new line of cabins in Laminated Plastic with a state-of-the-art and elegant design.

The refinement of the modern design

Elegant Plus is the most innovative proposal with horizontal wall slats covered and profiled in plastic laminate. The walls are enhanced with finishings with stainless steel angles.

The refinement of the classic

Elegant Unique is the most classic proposal and always modern with walls covered in plastic laminate and enhanced with stainless steel angles and skirting board.

A unique cabin that is just as unique as your requirements

The new range of colours proposed for the walls includes both natural shades of wood and more sophisticated, paler colours.

The finishing in faux wood can perfectly reproduce the elegance of wood without compromising its resistance and enhancing the environment in which the cabin is installed.

In order to satisfy demands from the most exacting clients, both the colour of the walls and the finishings can be customised by choosing between Scotch-Brite stainless steel (standard supply) polished stainless steel and dam.

Each car is the result of a combination of a vast selection of materials with a unique and exclusive end product.

LAMINATED
PLASTIC





Elegant Plus



Elegant Unique

METAL STRUCTURE

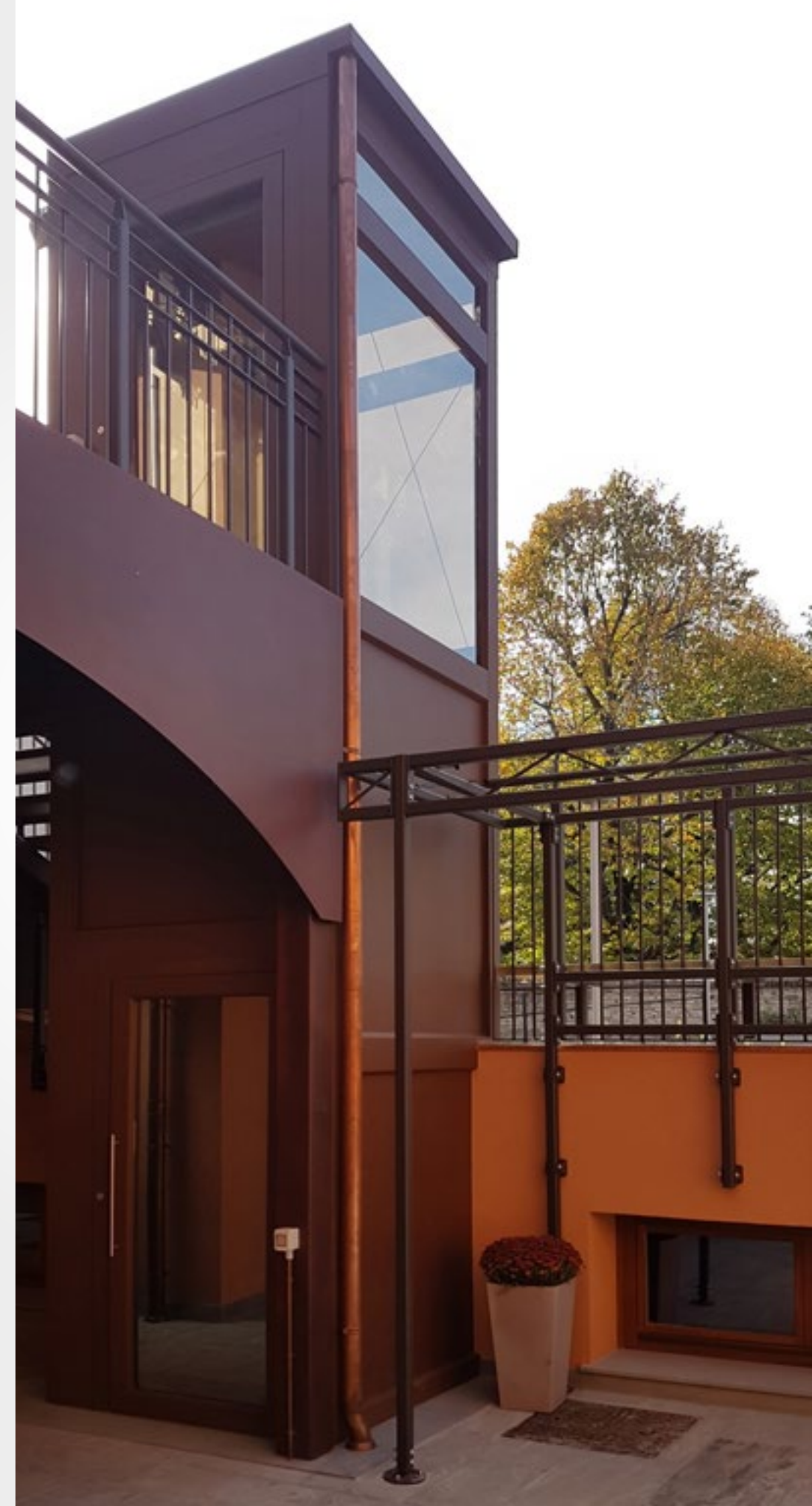
ZEN-0 can be supplied complete with metal structure well suited to being positioned both inside and outside the construction.

In order to meet all our customers' requirements, descent walkways are available (with parapets in metal or glass) with completely closed walkways, complete with transom windows and rain canopies (with sheet metal or glass cladding) and RAL painted doors and frames.

All the structures comply with current construction standards.

RAL
PAINT FINISH ✓

GALVANISED &
RAL PAINT FINISH ✓





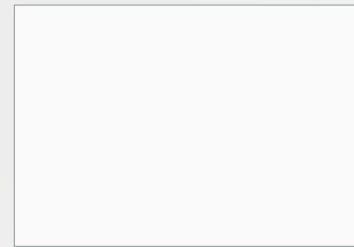
04

FINISHES & ACCESSORIES

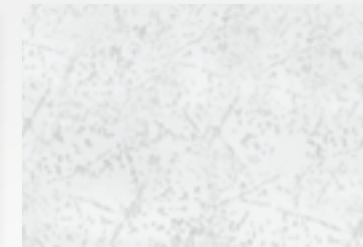
FINISHES

LAMINATED SHEET

for automatic doors in the 115 System, Minisill, Glass & Metal models, please refer to the finishings for automatic landind doors



A49PP Shiny White



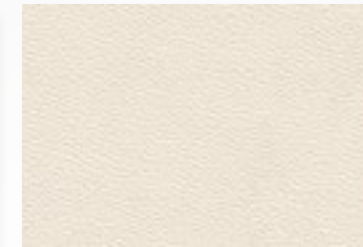
PPS10 Shiny Ivory



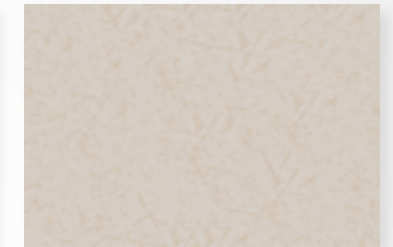
DT29SMA Brushed Grey



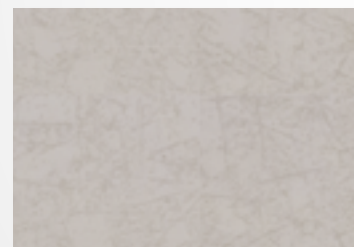
N1 Embossed Grey



A13 Embossed Beige



PPS11 Shiny Beige



PPS6 Shiny Silk



B10SMA Embossed Midnight Blue



F12PPS Similinox



G4SA Matt Orange



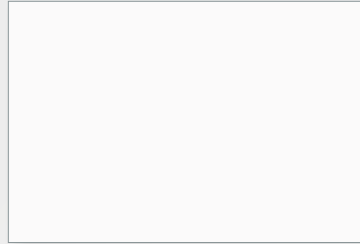
R2 Embossed Red



B1 Embossed Blue



LAMINATED SHEET



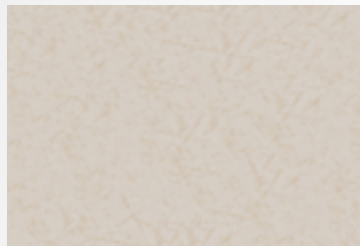
A49PP Shiny White



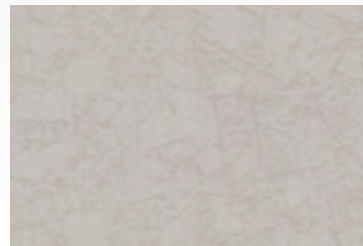
PPS10 Shiny Ivory



A13 Embossed Beige



PPS11 Shiny Beige



PPS6 Shiny Silk

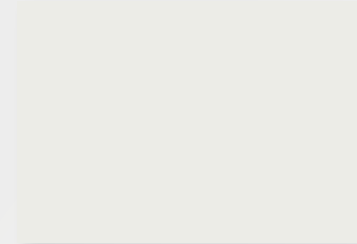


F12PPS Similinox

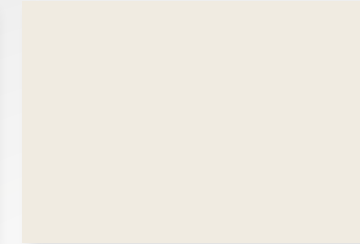


RAL PAINT FINISH ¹

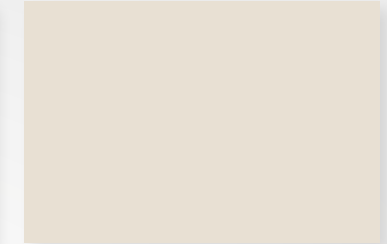
The colours shown may not be correctly represented. Please refer to the official RAL cards when choosing the RAL colour.



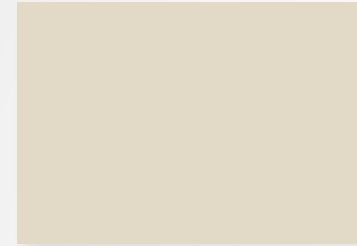
RAL 9003 Signal White



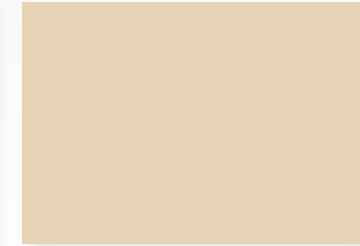
RAL 9010 Pure White



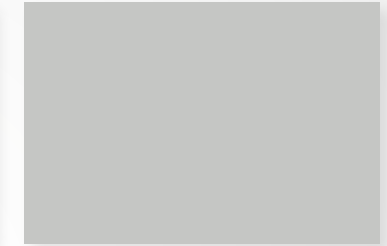
RAL 9001 Cream White



RAL 1013 Pearl White



RAL 1015 Clear Ivory



RAL 7035 Light Grey



RAL 7037 Dusty Grey



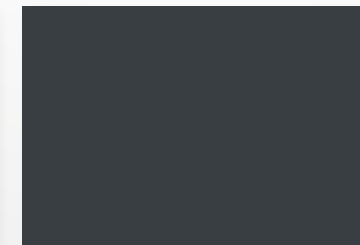
RAL 7001 Silver Grey



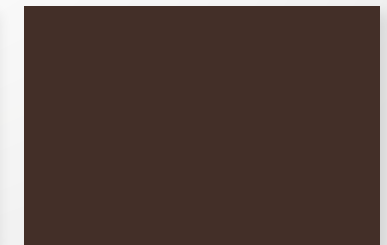
RAL 9006 Bright Aluminium



RAL 9007 Grey Aluminium



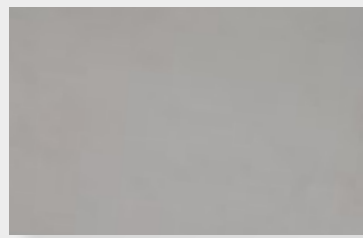
RAL 7016 Charcoal Grey



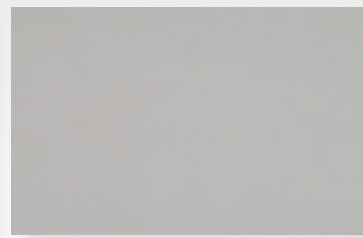
RAL 8017 Chocolate Brown



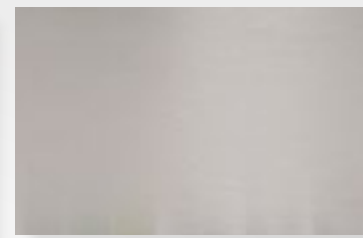
STAINLESS STEEL



Polished 7



Polished BA



Scotch Brite



Dam Stainless Steel



Linen

Stainless steel supply recommended

STAINLESS STEEL	For indoor	For outdoor	Seafront
AISI 430 Scotch Brite	✓	—	—
AISI 304 Polished BA	✓	✓	—
AISI 304 Polished 7	✓	✓	—
AISI 304 Dam Stainless Stell	✓	✓	—
AISI 304 Linen	✓	✓	—
AISI 316 Polished BA	✓	✓	✓



GLASS



Trasparent



Satin



Milky white



Smoked



Bronze



Bronze Stop-Sol



Grey Stop-Sol



PVC

These floors are a PUR Pearl surface, a combination of embossing and lacquering that guarantee the finished smooth and elegant matte feature that is highly resistant to scratches, tread and wear.



18942 Natural Oak



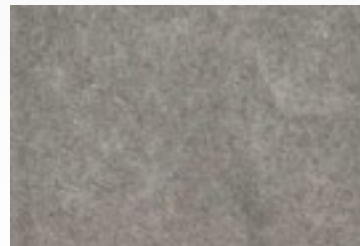
18832 Grey Oak



18792 Dark Oak



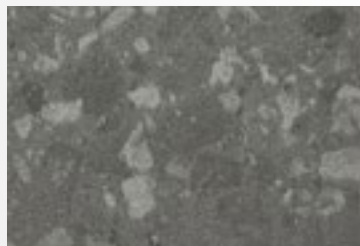
17122 Cool Concrete



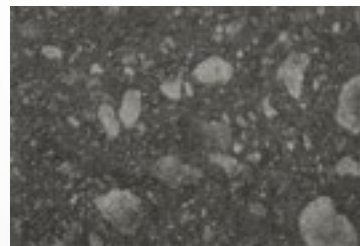
17132 Blue Concrete



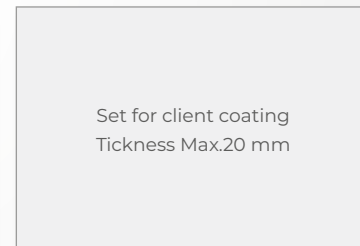
17412 Taupe Concrete



17512 Quartz Stone



17532 Coal Stone



Floor's Client



GRANIT TOUCH

A mix obtained using grits of granite, quartz, glass and interlacing of glass mosaic. Most of the raw materials used are obtained by recycling Post-Consumption products. The perfect combination of these materials creates the right balance between technology and respecting the environment.



607 Polar Ice



431 White



2402 Dove Tail



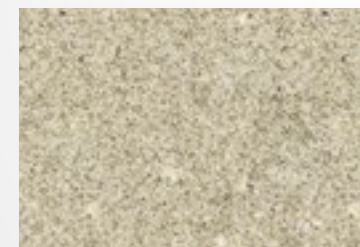
656 Black Star



663 Moretti Glass



424 Red



617 Sand Pearl



Carrara



LAMINATED PLASTIC



746 Matt line



788 Wood



745 Wood



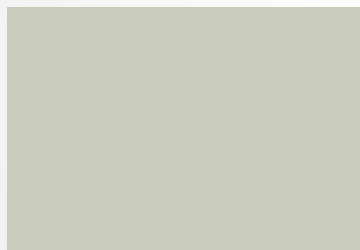
6050 Wraky



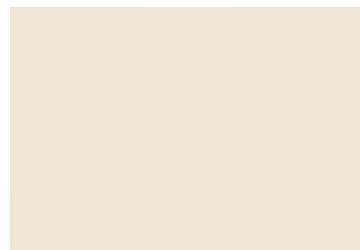
642 Velvet



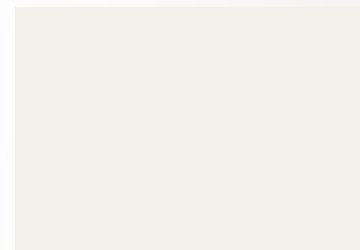
1027 Velvet



1039 Velvet



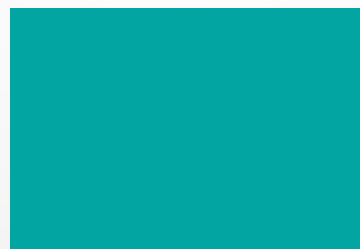
1174 Velvet



754 Velvet



1025 Velvet



1061 Velvet



FINISHING SUMMARY

	LANDING DOORS		DOOR'S CAR		CAR		CABINET	STRUCTURE
	Swing	Automatic	Automatic	Folding	Monolith	Elegant		
Rust-proof Paint Finish	✓	—	—	—	—	—	✓	—
Galvanised and RAL Paint finish	✓	✓	—	—	—	—	✓	✓
RAL Paint Finish	✓	✓	✓	✓	✓	—	✓	✓
Stainless Steel	✓	✓	✓	✓	✓	—	✓	— ¹
Laminated Sheet Metal	—	✓	✓	—	✓	—	✓	—
Laminated Plastic	—	—	✓	—	—	✓	—	—
Natural Aluminium	✓	—	—	—	—	—	—	—
RAL Paint Finish Aluminium	✓	—	—	—	—	—	—	—

¹On request



ACCESSORIES



DISPLAY

TFT

High-resolution display
Available 7", 4.3" e 2.8"



TRICOLOR

LCD display
Frame or flush anti-scratch
and anti-impact transparent
polycarbonate screen



ICARO

LCD display
Frame or flush anti scratch
and anti-impact transparent
polycarbonate screen



HANDRAIL

STANDARD



Stainless steel handrail

OAK WOOD



Wood handrail
(available with supports and polished stainless steel terminals)

BEECH WOOD



BUTTONS

STANDARD



AISI 304 stainless steel button with
braille.

VANDAL-PROOF IP54

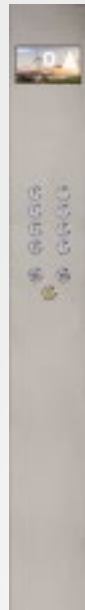


Vandal-proof button with braille with
degree of protection IP54.



CAR DISPLAY

AIDA



White and black glass
H 1900 mm with display TFT 7"
(only for automatic car door)

VENICE



Scotch brite stainless steel
H 1900 mm with display TFT 7"

LANDING DISPLAY

AIDA 65

Polished stainless steel in a 65 mm width with flush Icaro display.
Wall secured, without building work
(other available finishes: Scotch-Brite stainless steel)



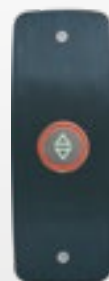
AIDA 85

Scotch Brite stainless steel width 85 mm. Available with display 4.3" Wall secured, without building work
(other available finishes: polished stainless steel)



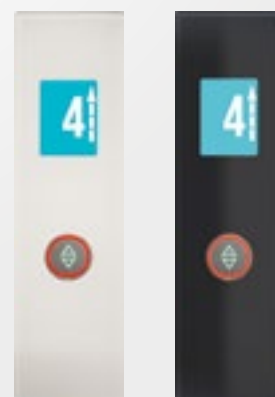
SOFT 75

Polished blue stainless steel, width 75 mm. Available with con icaro wire display Possibility of box to be walled
(other available finishes: Scotch-Brite stainless steel)



VENICE 80

In extra light white glass and float black glass. Width 80 mm. Available with TFT vertical display 2.8"



HANDLES

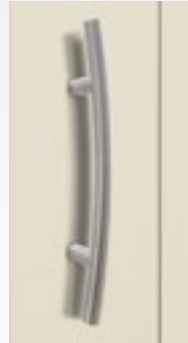
T20 - T30

Scotch brite stainless steel AISI 304
 ø20 x L 300
 ø30 x L 500



TC30

Scotch brite stainless steel AISI 304
 ø30 x L 500
 ø30 x L 1000



RC40

Scotch brite stainless steel AISI 304
 40 x 10 x L 500



Q20

Scotch brite stainless steel AISI 304
 20 x 20 x L 320



R40

Scotch brite stainless steel AISI 304
 40 x 15 x L 1260



ENABLING SYSTEM

I-BUTTON

Vandal-proof electronic key
 IP51



ENABLE KEYS

Key contact.
 IP51
 Available:
 - 2 positions, 1 extraction;
 - 2 positions, 2 extractions;
 - with spring return



ALPHANUMERIC KEYPAD

Car,
 Backlit, IP66,
 Up to two contact
 117 x 75 x 24 mm



Mountable only at the floor,
 Backlit, IP68
 Only one contact
 120 x 58 x 22 mm

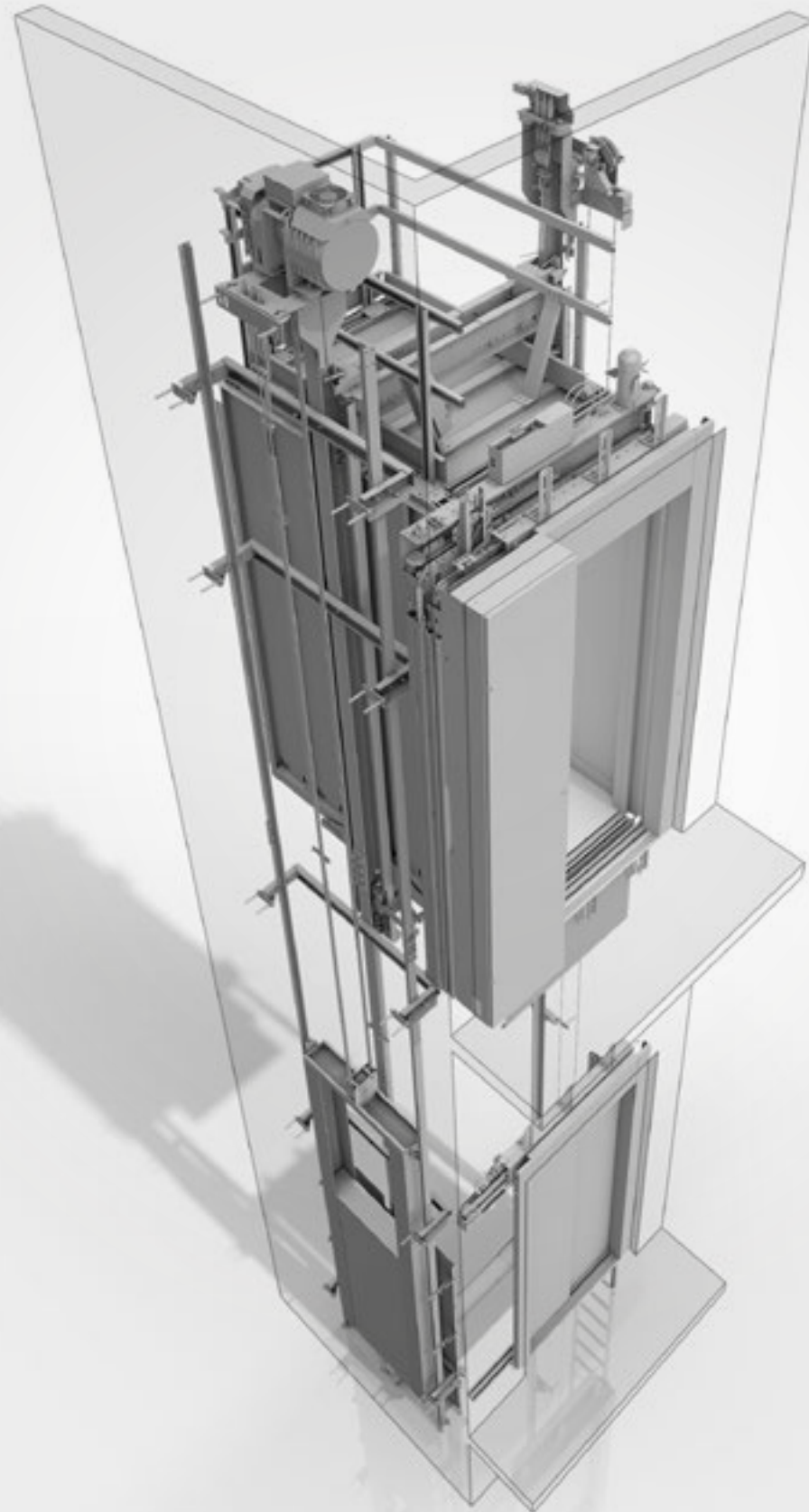




05

TECHNICAL SPECIFICATIONS

TECHNICAL FEATURES



Capacity	450kg	630kg
Reference legislation	EN81-20/50: 2020	
Capacity max (People)	6	8
Maximum Speed	0,8	0,6
Maximum number of stops	8	8
Hourly insertions	90	90
Travel (mm)	30.000	30.000
Headroom (mm)	3.400	3.400
Maximum Pit (mm)	1.050	1.050
Maximum car's area (m ²)	1,3	1,66
Lift power supply	Battery	Battery
Committed power (kW)	0,5	0,5
Inrush absorption from the network (A)	2,2	2,2
Mains power supply (V)	230	230
Maximum travels in case of blackout ¹	40	40
Recovery energy system	Standard	Standard
Anti Blackout System	Standard	Standard
Switch Mode	Standard	Standard

Min. interfloor	Folding door	Automatic
With doors on opposite sides and/or adjacent (mm)	150	150
With doors on the same side ² (mm)	H Door Frame + 100	H Opening + 350 ³

¹The number of travels may vary depending the battery charge

²Plants with close planes at both ends are not feasible

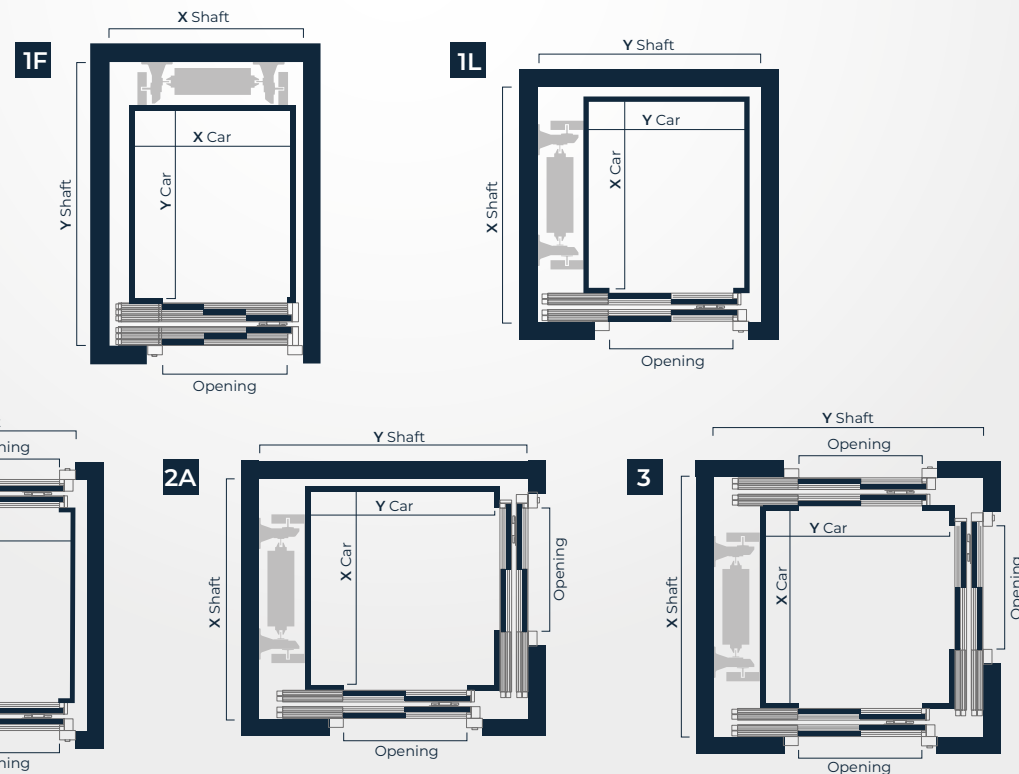
³H Opening + 400 with total glass door



CANTILEVER

CAPACITY			CAR				EXISTING SHAFT		STRUCTURE	
Load (Kg)	People	Accessibility	X (mm)	Y (mm)	Opening (mm)	Access	X (mm)	Y (mm)	X (mm)	Y (mm)
200	2	♿	810	650	600	1L	1120	1090		
			820			2O	1260			
			850	660	600	2A	1160	1230		
			870			3	1310			
375	5	♿	1200	850	750	1L	1510	1310	1620	1450
						2O	1640	1310	1744	1450
						1F	1200	1870	1330	1980
450	6	♿	1300	950	800	1L	1610	1390	1720	1530
						2O	1740	1390	1844	1530
						1F	1300	1950	1400	2060
			1300	1000	850	1L	1610	1460	1720	1600
						2O	1740	1460	1844	1600
630	8	♿	1400	1100	900	1L	1710	1540	1820	1680
						2O	1840	1540	1944	1680
		♿	1250	1200	900	2A	1560	1740	1670	1860
						3	1690	1740	1794	1860

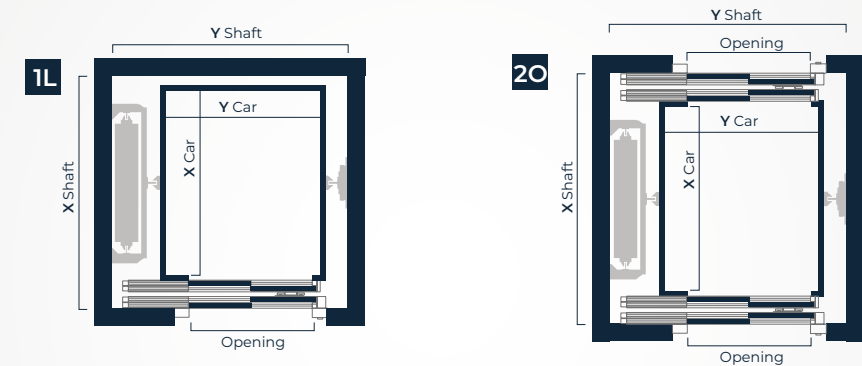
It's possible to download all the schematics on our website www.areascensori.it area [Download](#)



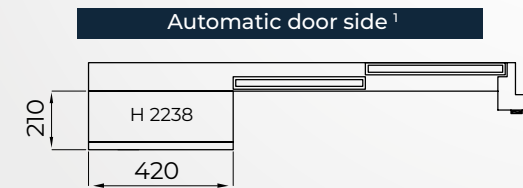
CENTRAL

CAPACITY			CAR				EXISTING SHAFT		STRUCTURE	
Load (Kg)	People	Accessibility	X (mm)	Y (mm)	Opening (mm)	Access	X (mm)	Y (mm)	X (mm)	Y (mm)
375	5	♿	1200	850	750	1L	1510	1400	1620	1510
			1200			2O	1640	1400	1744	1510
450	6	♿	1300	950	800	1L	1610	1490	1720	1590
			1300			2O	1740	1490	1844	1590
			1300	1000	850	1L	1610	1550	1720	1660
630	8	♿	1400	1100	900	1L	1710	1630	1820	1750
			1400			2O	1840	1630	1944	1750

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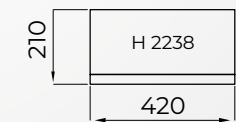


TECHNICAL CABINET



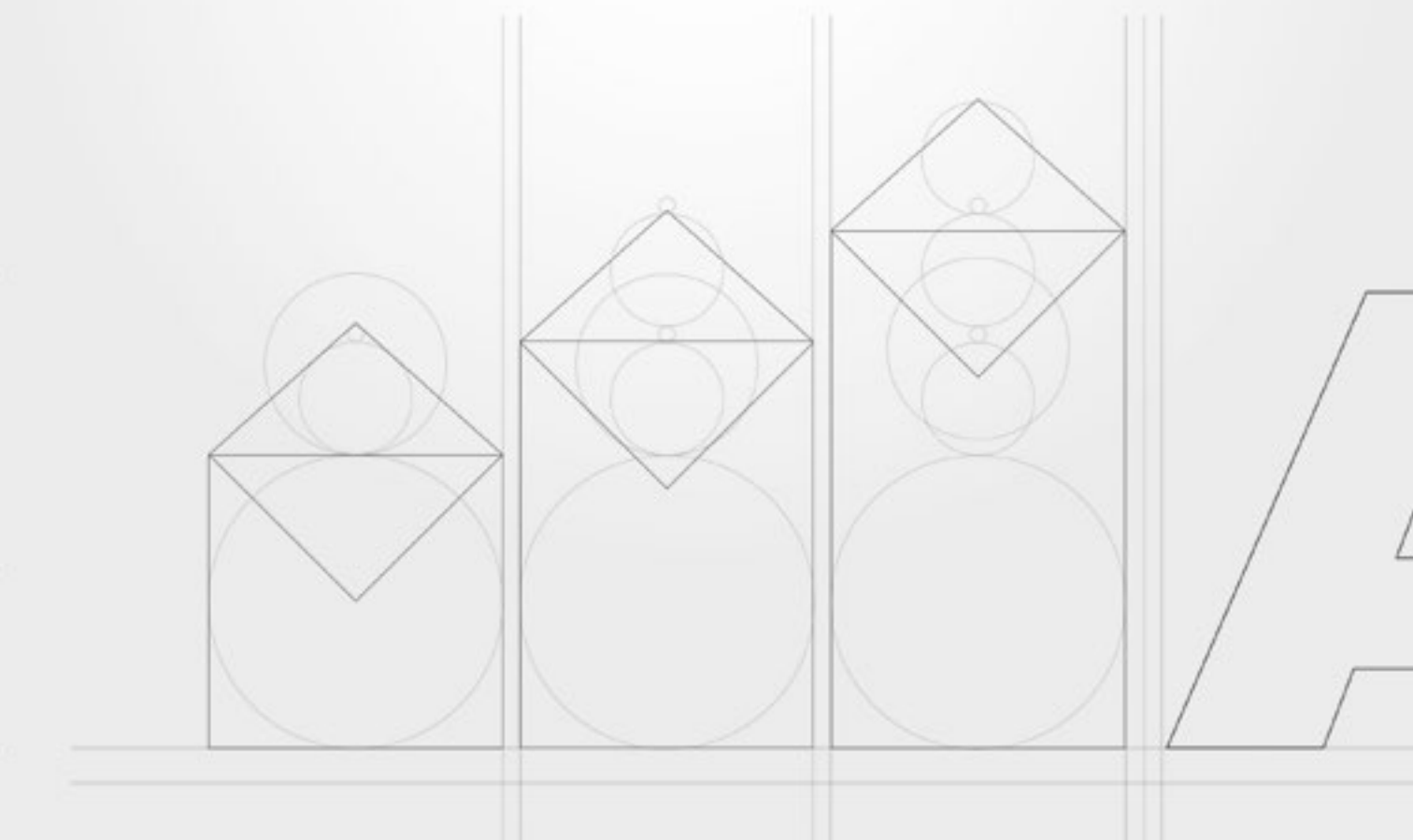
FINISHES:
✓ As per landing door

Attached to the wall H800



FINISHES:
✓ As per landing door
✓ If painted metal shaft:
the same colour of the shaft

¹ Cannot be done with Glass & Metal, Total Glass, 3AT doors, with non-standard door height and EI





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