



STAINLESS REPUTATION

UKRAINIAN
ELEVATOR MANUFACTURER



EF
EUROFORMAT

Company history

2002

A metalworking enterprise was established. At the same time, an R&D center was created, which had to consider the opportunity of in-house elevator manufacturing.

2005

A new business name—Zavod Euroformat Ltd.—was registered.

2006

The area of elevator manufacturing started developing rapidly. It took about two years to prepare engineering and approval documentation and test pilot models of Euroformat elevators.

2008

After passing the tests and receiving first orders, Euroformat elevators started to be commercialized.

2009

The company won the first government tender for the replacement of lifetime-expired passenger elevators in Kyiv.

2010

The company signed its first major commercial contracts with the sharks of the Ukrainian construction market.

2011

Euroformat Ltd. received its first large-scale government order for the replacement of lifetime-expired passenger elevators.

2013

The company hit the international market confidently with the representative offices established in Kazakhstan and Russia. However, these business lines soon crumbled. Euroformat gives the highest priority to the European market and turns the development vector towards the EU.

2015

A representative office in Poland was established. It took a year and a half to settle the issue of CE certification because the EU certification requirements are decidedly more demanding than Ukrainian standards.

2016

The first elevators manufactured by Euroformat were put into operation in a residential complex in Poznan (Poland).

2017

The company presented its products at Interlift-2017—the major elevator exhibition in Europe.

2017

The company started the construction of its new 32,150 m² plant.

2020

The company commissioned the first manufacturing workshop of the new plant. A test elevator tower was brought into service.

About Us

Zavod Euroformat Ltd. is a part of the group of companies EUROFORMAT that specializes in manufacturing metalware and providing services for residential and commercial construction.

The plant's core activity is the manufacture of elevator equipment. The company provides a whole range of services related to engineering, warranty and service maintenance, replacing elevator equipment.

The Euroformat plant is the leading Ukrainian manufacturer of elevators based in Kyiv and an exporter of products to European countries.

In 2017, Euroformat started constructing a new plant with an area of 32,150 m². The project includes three manufacturing workshops and a technology park. The first 20,500 m² workshop of a new plant was commissioned.



The only elevator test tower in Ukraine is physically based at the new Euroformat plant. It allows testing all new solutions developed by the plant's design engineers and trialing the new components with the existing elevator designs.



300
elevators per month

can be
manufactured
at the existing
facilities

The consumers recognize Euroformat elevators as the best in the Ukrainian market for five years in a row. The plant Euroformat took first place in the nomination "Elevator Manufacturer" based on the results of voting for the Ukrainian People Award in 2017–2021.



Certificates



The Zavod Euroformat Ltd. products meet Technical Regulations for Elevators and Safety Components for Elevators (Module H1) and the approved list of harmonized European and national standards. Conformance to Module H1 guarantees a universal quality control of elevator design, production, installation, final control, and testing processes.



All processes at the enterprise are subject to strict quality management system requirements under the International standard ISO 9001. The release of high-quality and safe products is monitored by the leading Ukrainian accredited compliance assessment authority—Prombezpeka of the State Enterprise KETC.



The company implemented an environmental management system regulated by the European ISO 14001 standard. The implementation and performance of the efficient environmental management system are monitored and confirmed by GLOBAL CERTIFIK—a compliance assessment body accredited in Europe and Ukraine.



Zavod Euroformat Ltd. implemented a Health and Safety Management System (H&SMS). The company sticks to the requirements of ISO 45001 international standard, meeting all normative requirements based on the best practices of the International Labour Organization. GLOBAL CERTIFIK monitors its compliance with the regulations and standards.

NEW EUROFORMAT PLANT



IN-HOUSE MANUFACTURING WORKSHOPS



STAINLESS REPUTATION



High cooperation standards

1

COMPANY'S RELIABILITY AND REPUTATION

Zavod Euroformat has its in-house facilities in Kyiv and thereby enables those interested to visit the plant at any convenient time to see all the processes in action.

The plant hosts the biggest spare part exchange fleet in Ukraine and thereby significantly reduces the time of elevator maintenance, scheduled servicing, and off-schedule repairs.

A quality control system that monitors processes at all stages is up and running. The company keeps track of all clients' inquiries.

2

EXPERT PROJECT SUPPORT

The equipment supply obligations are not limited to formal, so-called 'conveyor' cooperation. The client will enjoy the complete individual technical support of the projects and all of the necessary consultations on the further installation of elevators and their commissioning under existing standards of the Ukrainian market. The Euroformat specialists systematized the requirements for the installation companies within the scope of the existing technical regulation and detailed the particulars of elevator commissioning taking into account all relevant standards.

3 CERTIFIED EQUIPMENT

Euroformat strictly follows the changes of regulatory documentation and technical regulation requirements in the elevator field. The Euroformat elevator equipment meets all relevant Ukrainian standards, including the elevators for people with impaired mobility and the elevators for medical facilities.

The Euroformat elevator equipment has certificates issued only by the conformity assessment bodies qualified by the National Accreditation Agency of Ukraine. The company does not cooperate with “clandestine” organizations to facilitate and cheapen the certification process.

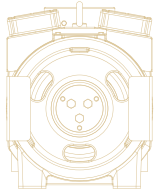
4 IN-HOUSE TECHNICAL FACILITIES

Elevators are complex technological products that passenger safety depends on. The plant’s technical specialists provide all Euroformat engineering and design developments. The company can either offer individual design development or adapt the existing solutions to the client’s needs.

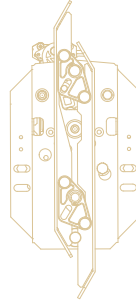
5 SERVICE SUPPORT

Service support is a standard and mandatory condition of cooperation. The company ensures full warranty and post-warranty service of elevators. The service center promptly responds (24/7) to all the inquiries—both at the stage of installing the elevator equipment and after its commissioning.

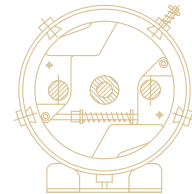
European components



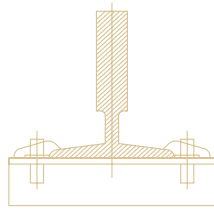
Motors



Door drives



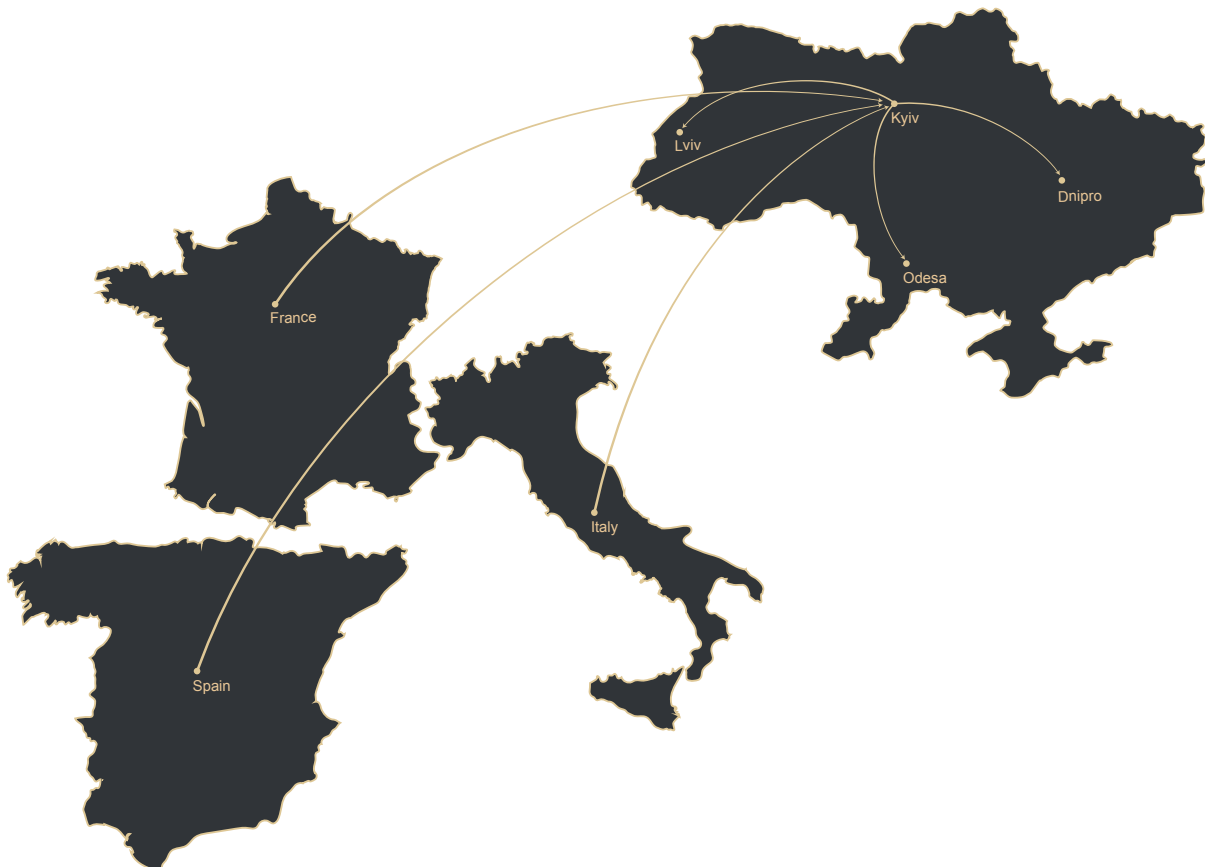
Safety gears and overspeed governors



Guide rails



Steel ropes



The background image shows the interior of a modern elevator. The ceiling is dark with a grid of circular perforations, through which light is filtering. The walls are made of dark, reflective panels. A glass door is visible on the left, showing a glimpse of a modern building interior with a glass railing and a sign that says "ENJOY SUMMER". A handrail is visible on the right side of the elevator car.

Elevator construction

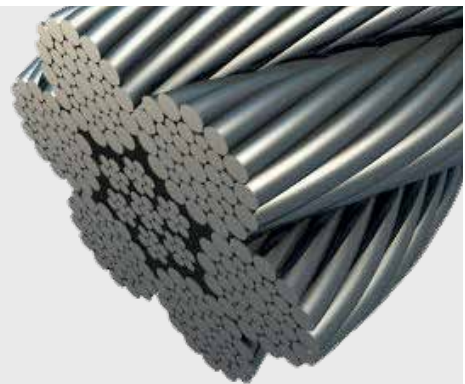
Safety is no place for innovation

Ropes are trusted solutions

Zavod Euroformat Ltd. uses specialized pre-tensioned elevator ropes manufactured by internationally renowned companies. The company's specialists see prospects for manufacturing elevators using steel belts and at the same time consider that now conventional ropes are both more reliable and economically feasible.

ADVANTAGES OF THE ROPES:

- easily accessible product with competitive market pricing;
- with the appropriate maintenance, its lifetime is over ten years;
- using ropes is beneficial to any number of floors, including a residential property.



Mechanical slack-rope switch: simple and reliable

The rope tension is controlled by a mechanical slack-rope switch. This mechanism is activated when at least one rope is slacking (broken), then it breaks the elevator control circuits and main driver, thus stopping the elevator from moving further.

Euroformat prefers mechanical slack-rope switches due to the following reasons:

- they offer failure-free operation trusted and proven over the decades;
- they are not subject to voltage fluctuations or software malfunctions characteristic of electronic systems.

Energy efficiency

Gearless motor

Following the market trends, Euroformat has concentrated on implementing elevators equipped with gearless motors.

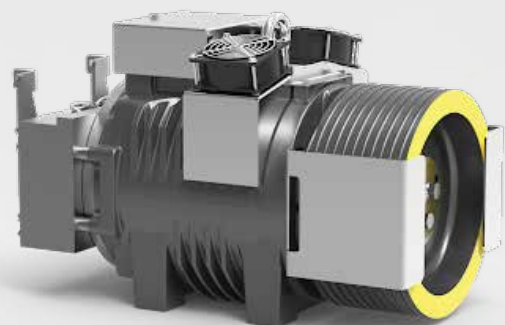
The motor, as the main elevator unit, ensures its efficient, durable, and steady operation.

Modern motors used in the elevator industry have several features that are important both for the installation and service personnel and for the elevator passengers:

- simple mechanical installation due to its ergonomic design;
- ease of maintenance, e.g., replacing motor brakes does not require you to disassemble it and reconfigure the frequency control drive;
- reliability and long-term operation—it is designed for optimal productivity with increased travel smoothness and energy saving.

FEATURES OF GEARLESS MOTORS:

- low vibrational and noise characteristics;
- eco-friendly with reduced maintenance costs, as elevators do not require oil changes;
- energy-efficient—due to the absence of gear, the system consumes less energy (the gear's energy consumption is up to 40% of the energy consumed by the motor).



Standby Power System

Standby is a sleep mode with reduced energy consumption. The control systems can reduce energy consumption when the elevator is in standby mode. The cabin switches from operating to standby mode five minutes after the last run. At the same time, all sources of electric power consumption are turned off. Once a call is received, the system will instantly “wake up”.

LED lighting in a cab

- All ceiling modifications of Euroformat elevators are equipped with LED-based lighting—even standard configurations.
- LED lamps provide a more natural light (similar to solar) and do not flicker. Thanks to this, an impact on the eye retina decreases, and the eyes become less tired as a result of that.
- LED lighting helps reduce power consumption. The service life of such lamps is ten times longer as compared to ordinary fluorescent lighting.
- Elevators do not require frequent lamp replacements, thus avoiding additional downtime.
- Periodic turning on and off when switching to “Standby” mode does not affect the service life of the lamps.

Lighting control on the floors (optional)

When the elevator arrives on the floor, full lighting is automatically turned on in the elevator hall, allowing the passengers to reach their apartments comfortably. The system is configured to make sure the lighting on the floors functions in an energy-saving mode at all other times.

Regenerative drive (optional)

In elevators with regenerative drive, the excess electrical power generated by the motor is returned to the electrical network. This way, the elevator enables other systems of the building, e.g., the entrance lighting, to use the recuperated energy.

The drive generates energy when traveling down with a fully loaded cabin or traveling up with an almost empty cabin when the cabin moves rather under its own weight or the counterweight than driven by the motor. However, the recovery efficiency is directly related to such parameters as elevator capacity, travel height, and passenger traffic and becomes possible only with the maximum values of these parameters.

Passenger traffic	Number of floors in the building	Cabin's load capacity		
		400/450 kg	630 kg	1000 kg
Low (residential)	5 floors			
	10 floors			
	16 floors or more			
Medium (Class B business centers or lower)	5 floors			
	10 floors			
	16 floors or more			
High (Class A shopping and business centers)	5 floors			
	10 floors			
	16 floors or more			

Energy saving

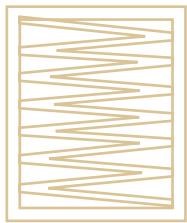
0–12% energy saving

12-22 % energy saving

22-30 % energy saving

Consumer welfare

In the basic configuration, the Euroformat elevators are fitted with a range of functions ensuring passenger safety, including the following:



Infrared veil

The sensor with 154 infrared rays built into the elevator door opening creates a kind of invisible security screen. If there is an obstacle in the door opening, the infrared protection will not allow the elevator doors to be closed.



Guaranteed evacuation

The evacuation system uses an alternative power source, so—in the case of a power outage—the elevator passengers will be safely delivered to the nearest floor.



Roller safety gears

In an emergency situation, bidirectional roller safety gears will actuate, smoothly stopping the cabin during the travel up or down to make sure passengers will not feel any sharp impacts in the elevator cabin compartment.

Passenger comfort

Collective elevator control

The elevator collects all passengers traveling in the same direction, namely those who pushed a certain button on the call panel. In residential buildings, the collective movement operates downwards, but it can be configured both for downward and upward travels in office buildings.

Priority call

Double-pressing the call button, one can call a freight-passenger elevator—to transport a baby, a person with disabilities, or a bulky cargo. This function is also available to call the elevator to the basement floor or the parking level.

Forced opening button

This function allows suspending the door closing when it is necessary to wait for a passenger, roll a baby carriage, or load the baggage.

Accelerated door closing (optional)

The button on the control panel enables passengers to accelerate the start of the cabin travel by reducing the waiting time for automatic door closing. This function is mostly needed in office and business centers characterized by large passenger traffic.

Setting the main landing floor

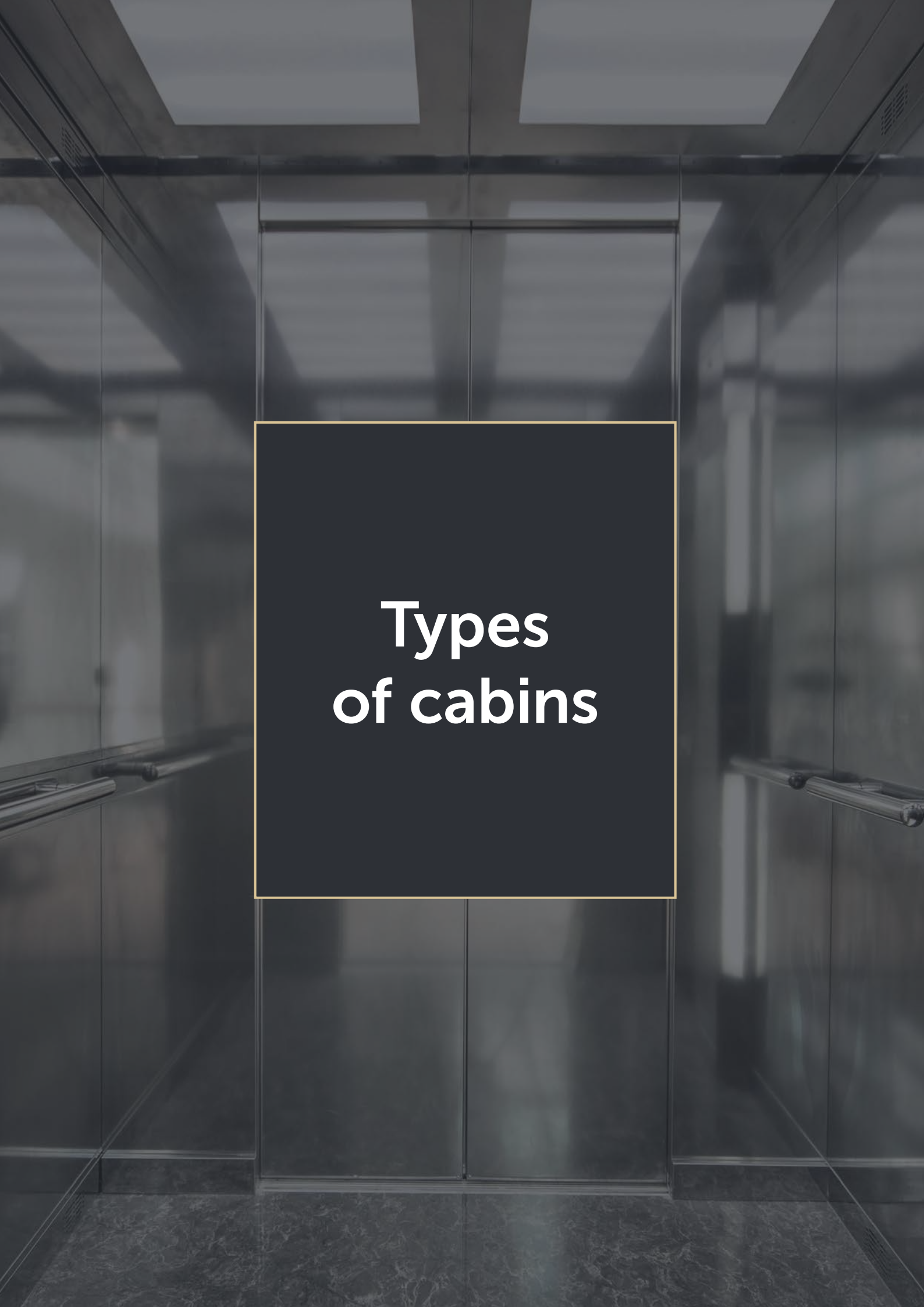
The main landing floor button is highlighted green on the control panel. It allows the passengers to quickly understand which floor the exit from the building is on. This is particularly convenient for the buildings having underground parking lots and basement floors.

Parking mode

The parking mode activated using a special key allows one to fully operate a freight and passenger elevator during repairs or moving, avoiding any adverse consequences for the system. When the mode is activated, the elevator will be held on a certain floor, while it will not be possible to call the elevator from any other floor.

Anti-claustrophobic design (optional)

It means a cabin's decor with the maximum adaptation to people suffering from claustrophobia. Details: warm colors and contrasting tones, bright lighting, accent on large mirrors, TFT screen with photos of nature, sounds, e.g., birds singing.

A dark, monochromatic photograph of an airplane cabin aisle. The perspective is looking down the aisle, with overhead luggage bins and handrails visible on both sides. The lighting is dim, creating a moody atmosphere. A central black rectangular box with a thin gold border contains the text.

Types of cabins

ELEVATORS THAT SCALE THE SUMMITS



Hoverla

In standard configurations, elevators are equipped with the safety units supplied solely by European manufacturers. This proves the high quality and guarantees durability. The use of calibrated guides and pre-tensioned ropes ensures smooth motion and comfortable movement.

ADVANTAGES:

- infrared veil (in basic configurations);
- LED lighting (in basic configurations);
- customer's logo on the ceiling or the mirror of the cab.

Cabin wall construction



1. 1.5 mm thick metal



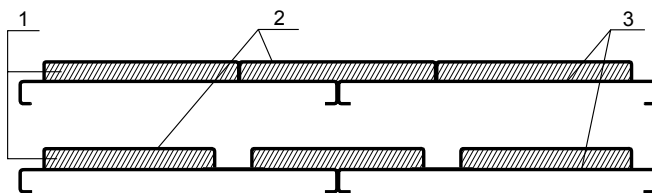
Mont Blanc

The succinct design and various stainless-steel textures provide for a high comfort level and underline that the building belongs to the business class.

ADVANTAGES:

- structural rigidity;
- additional soundproofing.

Cabin wall construction



1. 12 mm MDF
2. 1.2–1.5 mm stainless steel
3. 1.2 mm galvanized metal



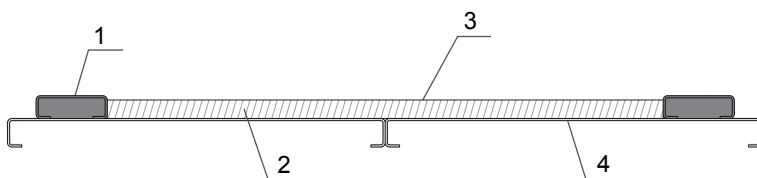
Everest

Everest compartment cabins make it possible to implement the most complex design solutions. The cabin design allows using practically any material for the interior decor: steel, wood, glass, and decorative plastic.

ADVANTAGES:

- structural rigidity;
- additional soundproofing;
- individual design solutions.

Cabin wall construction



1. 1.0 mm stainless steel
2. 12 mm MDF
3. Decorative panel
4. 1.2 mm galvanized metal



Panoramic cabins

- Mont Blanc
- Everest



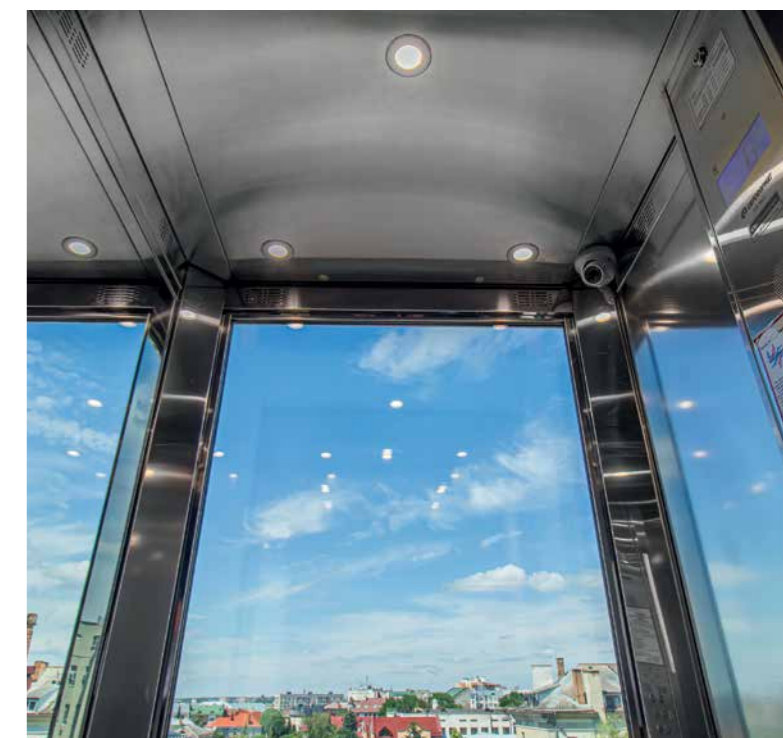
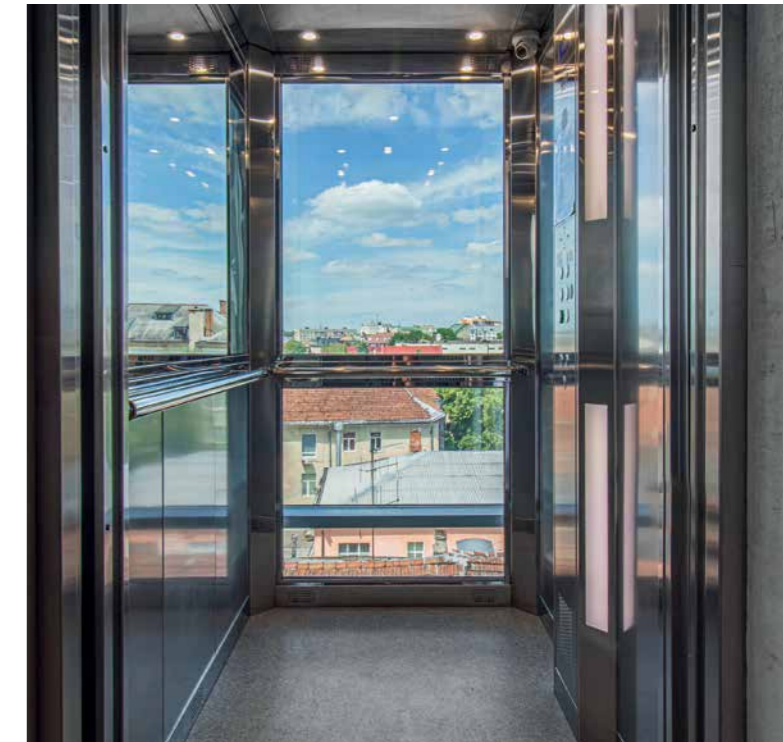


Completed projects

Europassage Business Center



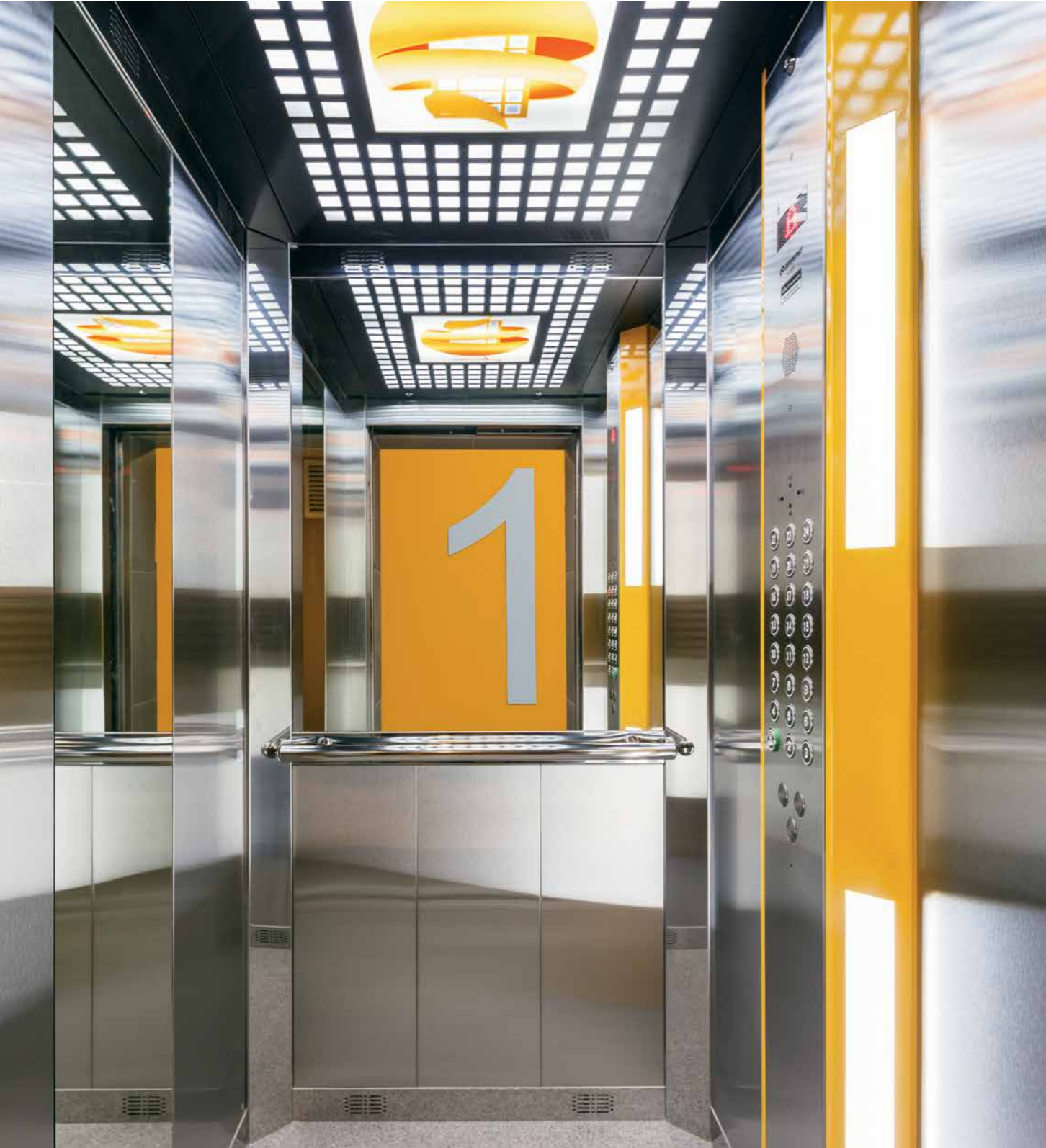
Shopping and Entertainment Center in Ternopil



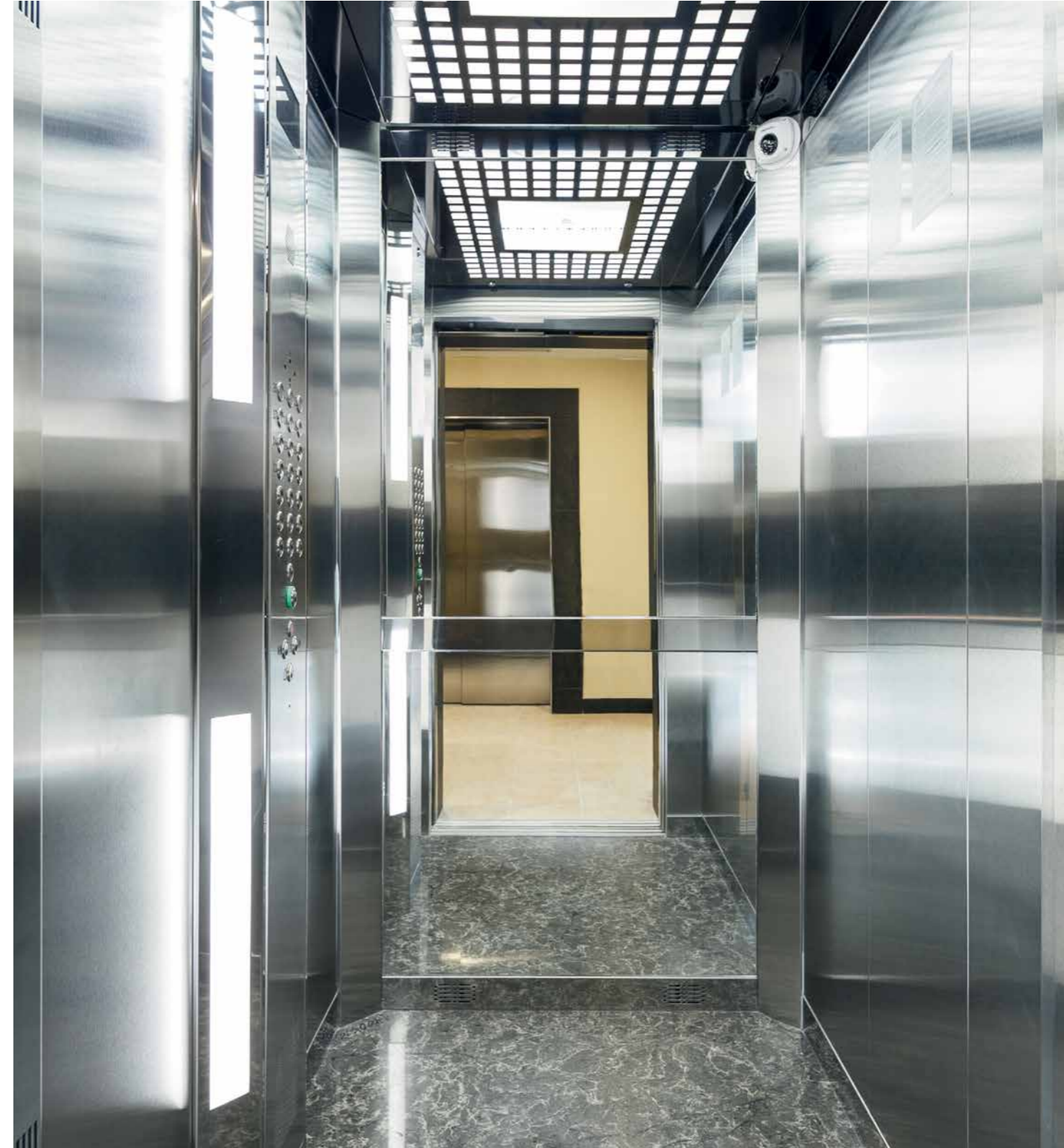
Cherry Mall Shopping and Entertainment Center



Apelsin Residential Complex



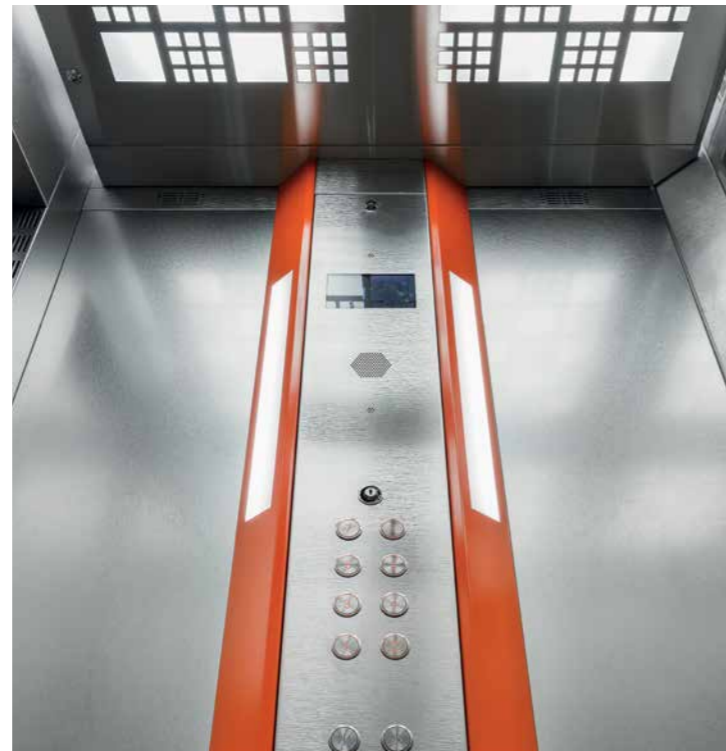
Golfstrim Residential Complex



Continent Residential Complex



L-Kvartal Residential Complex



UCU Library (Metropolitan Andrei Sheptytskyi Center)



BonApart Hotel





**Elevator cab
configurations**

Control panels

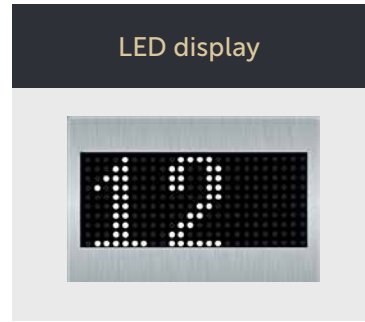
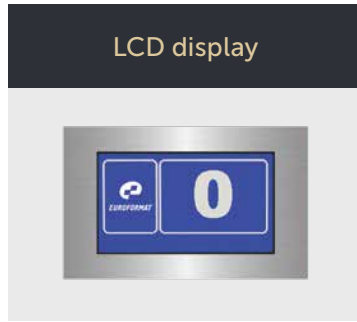
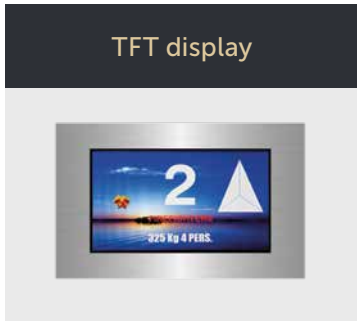


* Except for the Hoverla cabin

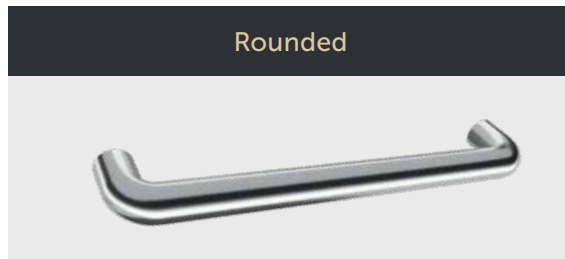
Buttons



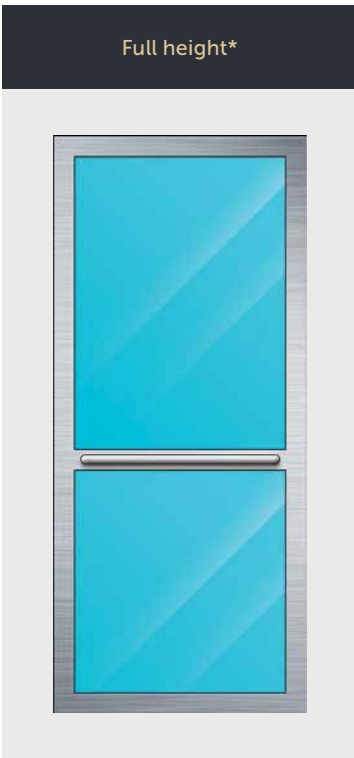
Indicators



Handrails



Mirrors



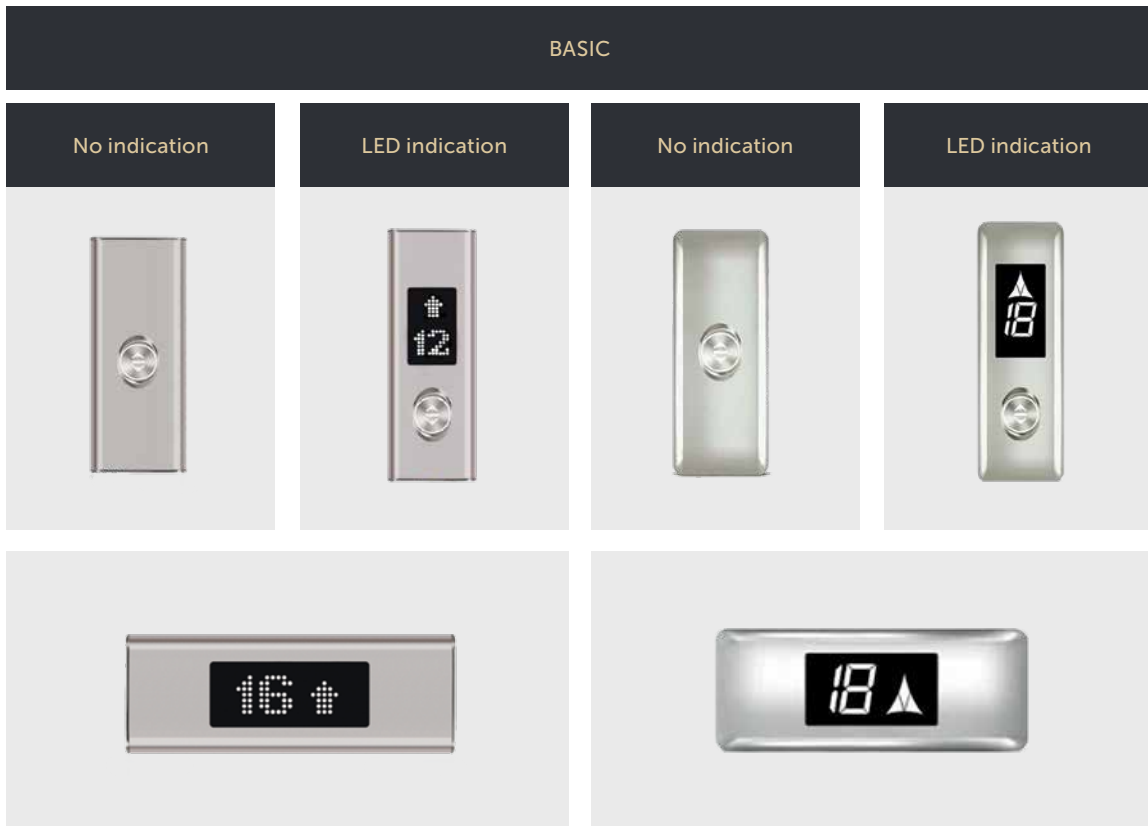
* Except for the Hoverla cabin

** Except for the Hoverla cabin

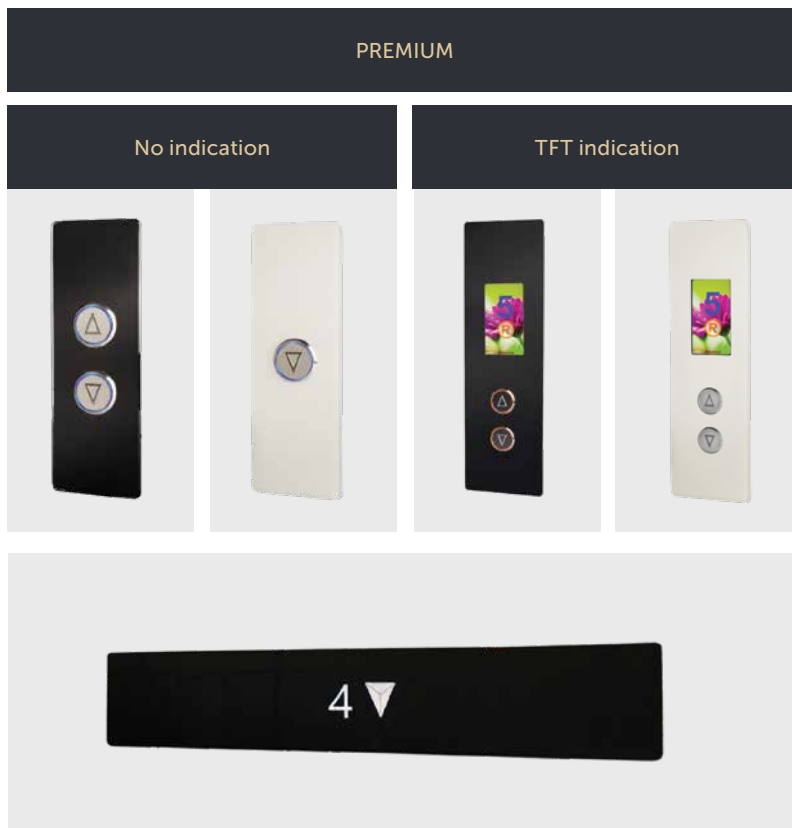
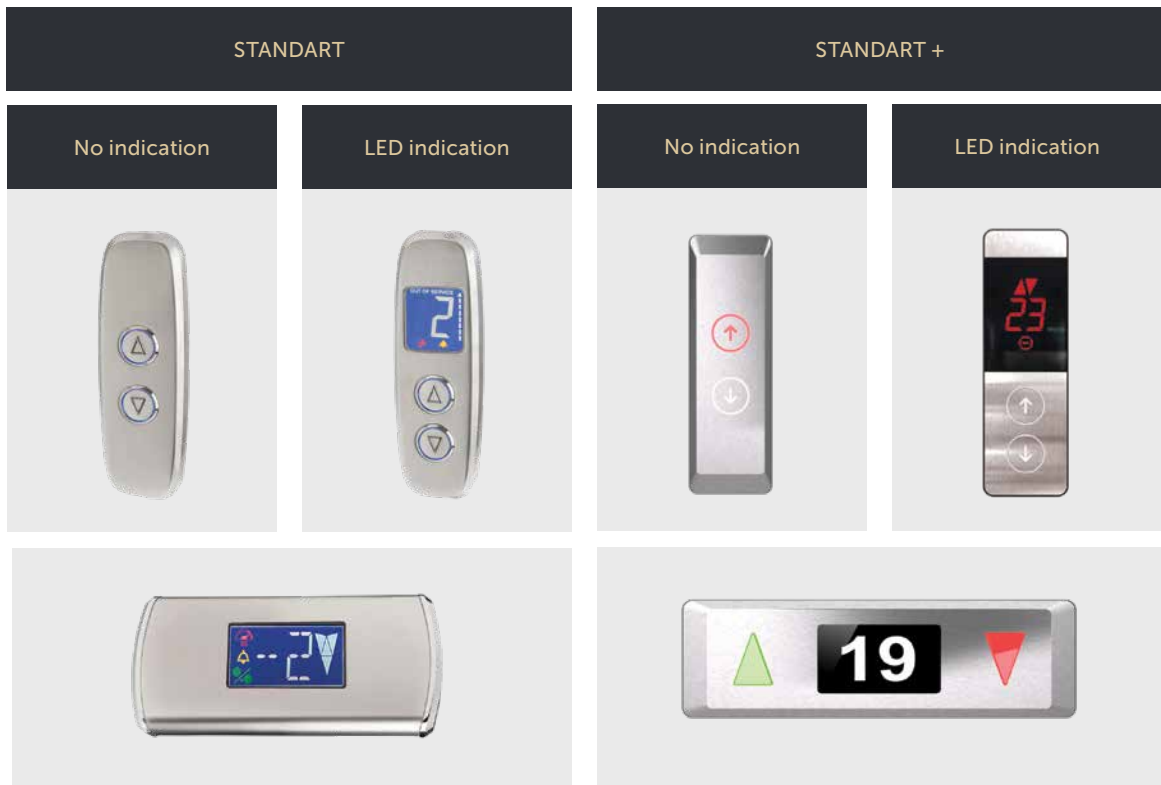
Ceilings



Call panels and indicators over the hoistway door



Call panels and indicators over the hoistway door



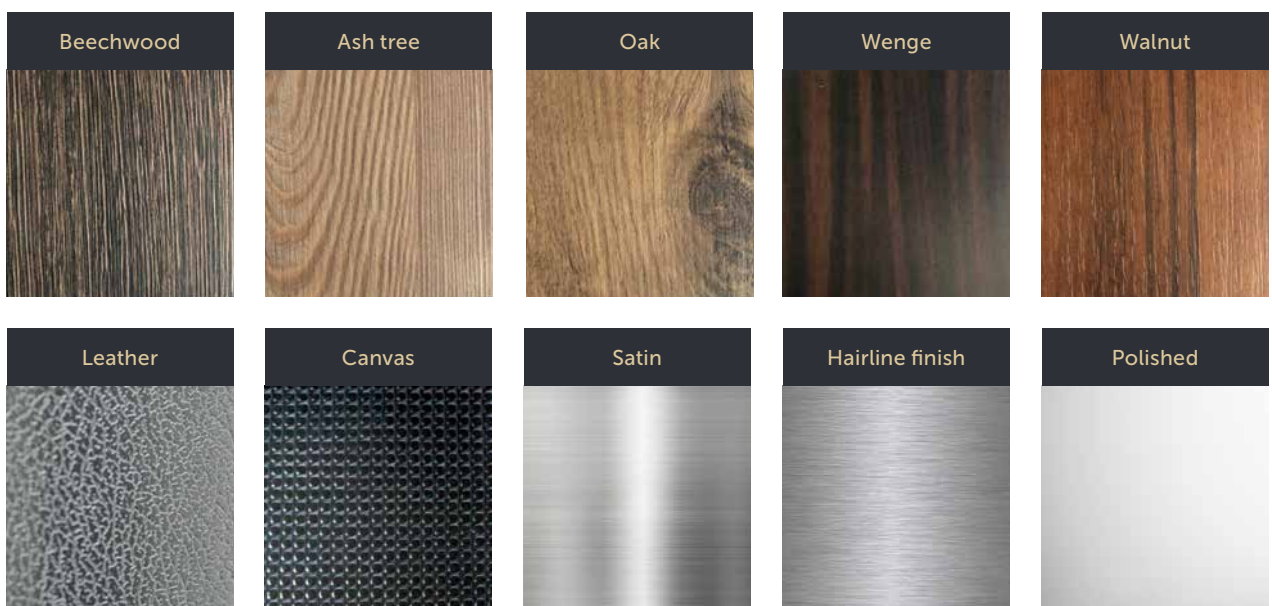
- ADDITIONAL OPTIONS**
- Music (FM radio / MP3 player)
 - Voice guide (ENG / PL / UKR / RU)
 - Arrival signal (gong)
 - Induced ventilation
 - Group operation (up to 6 elevators)
 - Priority call
 - Parking mode
 - Access control
 - Remote monitoring system

Cabin design

Ceiling and walls



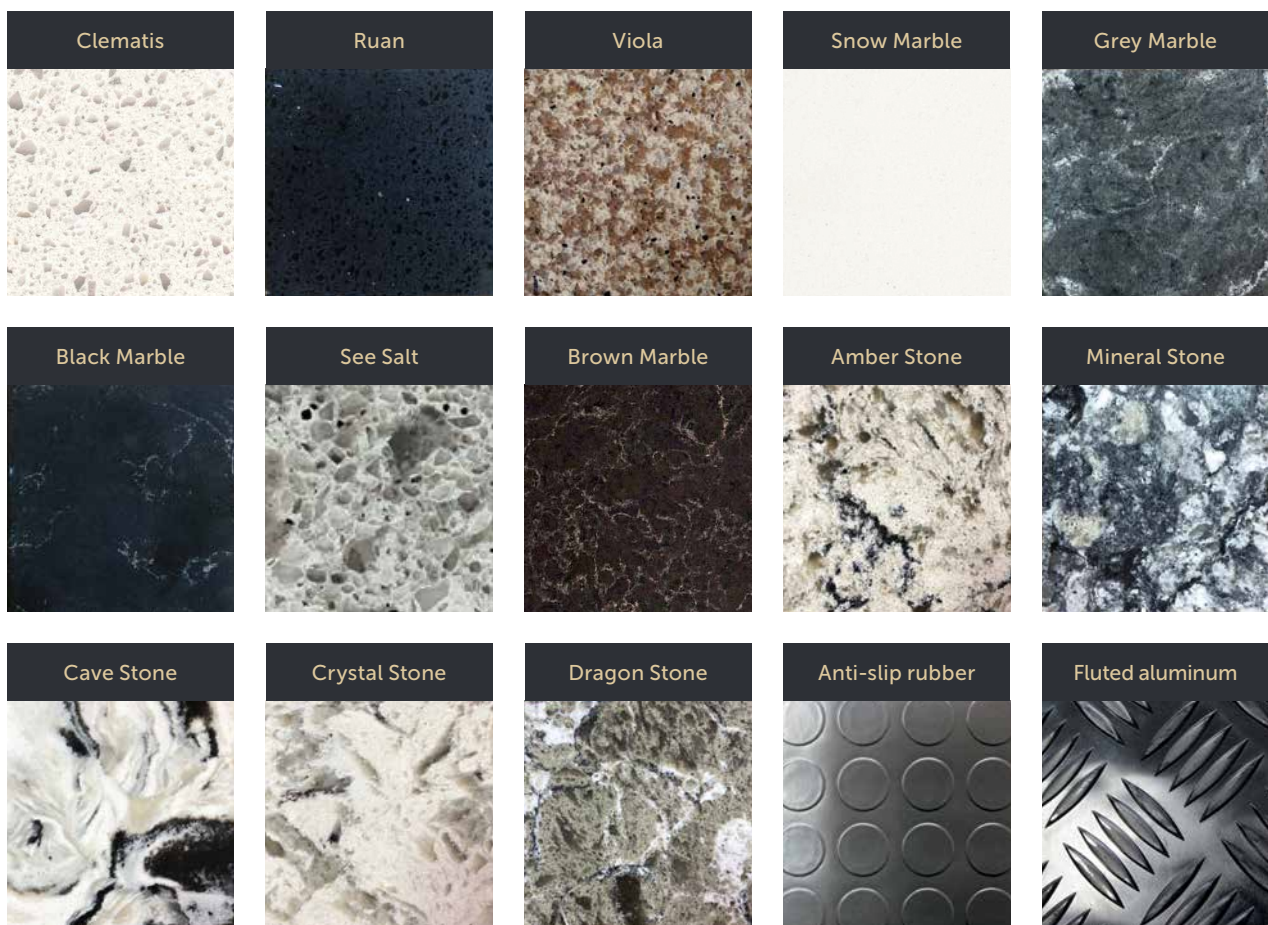
Walls



Floor | Linoleum



Floor | Artificial stone | Extra materials

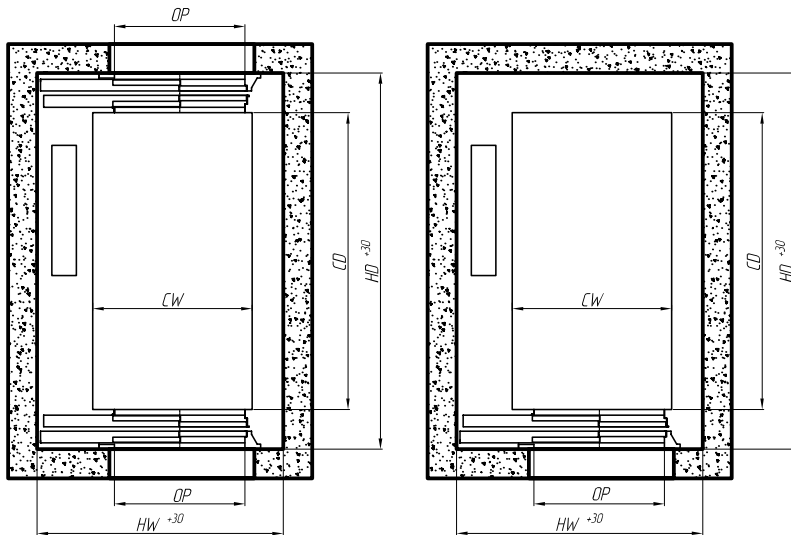




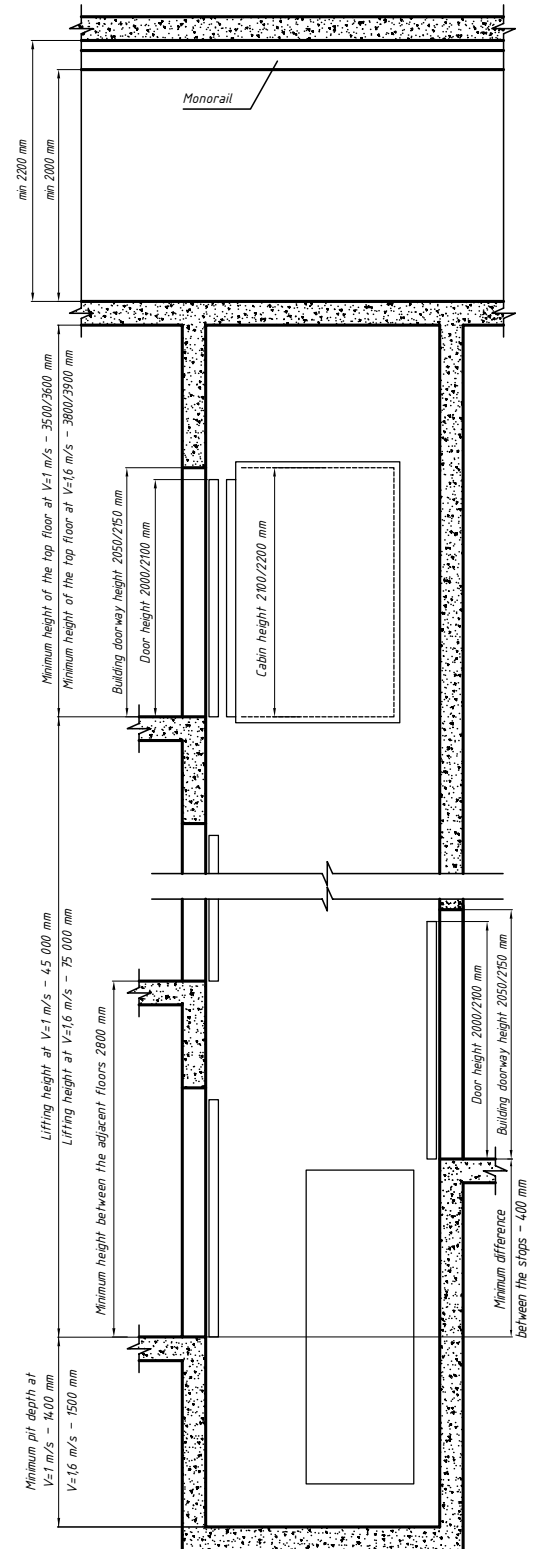
Technical information

Standard elevator hoistways EF

Internal dimensions of elevator hoistways in plain view



Internal dimensions of elevator hoistways in a vertical plane

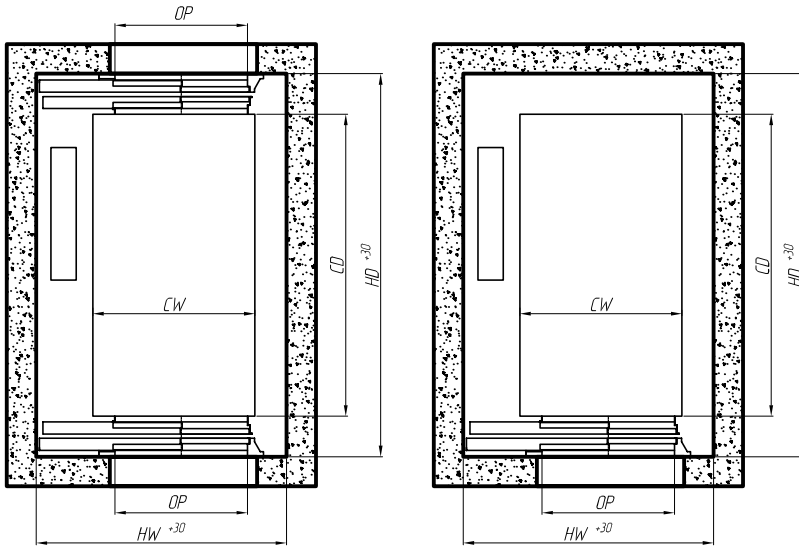


Load capacity, cabin capacity	Cabin dimensions, mm		Doors		Hoistway dimensions, mm		Number of entries
	Width CW	Depth CD	Opening width OP	Opening type	Width HW	Depth HD	
400 kg, 5 persons	1100	1000	700	Extendible	1550	1700	1
				Central	1600	1700	1
450 kg, 6 persons	1000	1250	800	Extendible	1600	1750	1
				Central	1800	1750	1
630 kg, 8 persons	1100	1400	900	Extendible	1750	2000	1
					1750	2000	2
				Central	2000	2000	1
					2000	1900	2
1000 kg, 13 persons	1100	2100	900	Extendible	1750	2500	1
					1750	2700	2
				Central	2000	2500	1
					2000	2600	2
1000 kg, 13 persons	2100	1100	1200	Extendible	2550	1750	1
1000 kg, 13 persons	1600	1400	1000	Extendible	2050	2050	1
					2250	2000	2
				Central	2250	2050	1

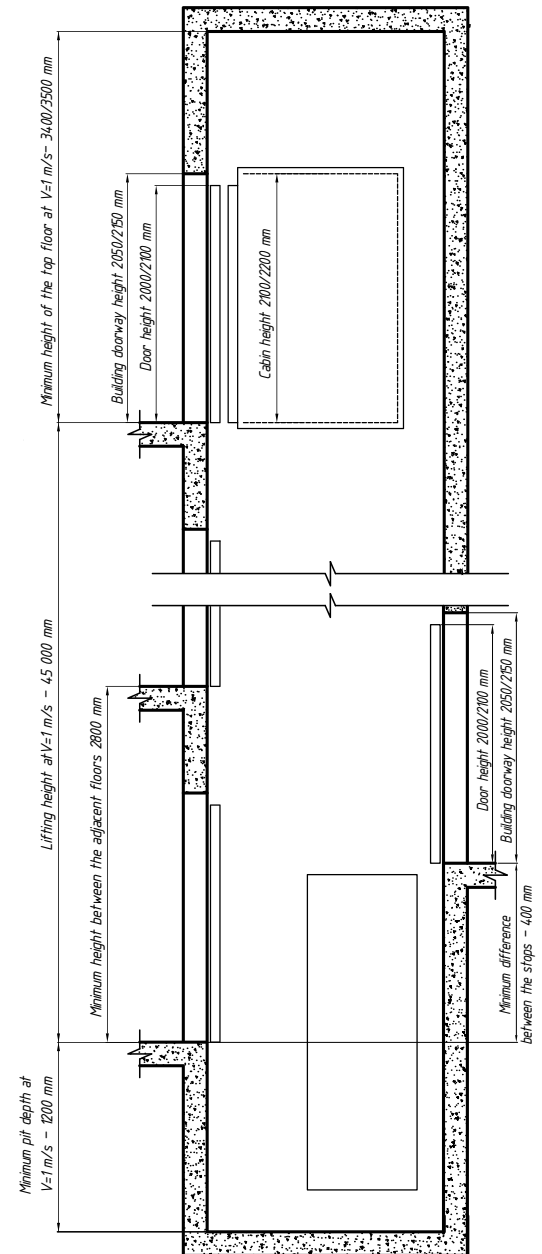
Standard elevator hoistways EFR

Internal dimensions of elevator hoistways in a vertical plane

Internal dimensions of elevator hoistways in plain view



Load capacity, cabin capacity	Cabin dimensions, mm		Doors		Hoistway dimensions, mm		Number of entries
	Width CW	Depth CD	Opening width OP	Opening type	Width HW	Depth HD	
400 kg, 5 persons	1100	1000	700	Extendible	1650	1600	1
				Central	1700	1600	1
450 kg, 6 persons	1000	1250	800	Extendible	1550	1650	1
				Central	1750	1550	1
630 kg, 8 persons	1100	1400	900	Extendible	1680	1780	1
				Central	1950	1700	1
1000 kg, 13 persons	1100	2100	900	Extendible	1680	2000	2
				Central	1950	1860	2
1000 kg, 13 persons	1100	2100	900	Extendible	1700	2500	1
				Central	1950	2400	1
1000 kg, 13 persons	2100	1100	1200	Extendible	1950	2600	2
				Extendible	2700	1550	1
1000 kg, 13 persons	1600	1400	1000	Extendible	2700	1700	2
				Extendible	2200	1800	1
1000 kg, 13 persons	1600	1400	1000	Extendible	2200	2000	2
				Central	2300	1750	1
1000 kg, 13 persons	1600	1400	1000	Central	2300	1860	2





EUROFORMAT

ZAVOD EUROFORMAT Ltd.

04073, Ukraine, Kyiv
21 A Kurenivska Street
+38 (044) 494-35-35

lift@euroformat.com
www.euroformat.com

Service center
+38 (044) 360-33-20

