

Elevator Technology

# synergy

essence and excellence  
package.



thyssenkrupp





excellence decor  
Design line: Natura  
Decor: Aoraki  
Ceiling: Eclipse, LED lighting  
Walls: Laminate wooden, glass colour  
Floor: Sintered compact, Nero Assoluto  
COP: Edge excellence



# Flexibility with outstanding performance.

synergy is the thyssenkrupp solution for residential buildings suitable for commercial uses, that meets the highest demands in terms of space flexibility, design and performance.

Its proven technology and optimised layout helps you to cut costs and save energy, resulting in an intelligent elevator system that benefits everyone: passengers, building owners and our environment.

synergy features a cutting-edge decor concept that offers you enormous flexibility in cabin design. These are elevators that will meet the needs of your building and exceed passenger expectations in genuine style.

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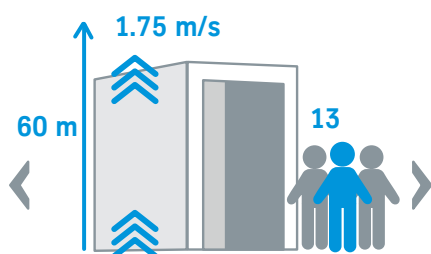
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# Performance. Space flexibility.

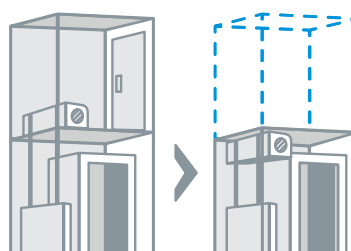
synergy's flexible design concept is ideally suited to meet the space requirements of buildings and architects alike.



## Optimised application range

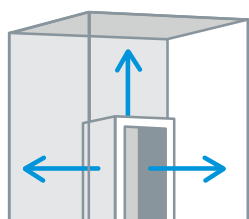
synergy offers an optimized range of loads, speeds and stops, that covers the most common needs of residential buildings and moderate commercial uses.

With capacities for 3 to 13 people (320 kg - 1000 kg), synergy can extend up to 45 m (1 m/s) or 60 m (1.6 m/s and 1.75 m/s).



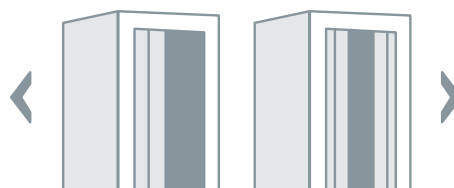
## With or without machine room

Compact and efficient design allows systems to be built with or without a machine room, thus making the best use of space while also reducing costs.



## Flexible cabin fit

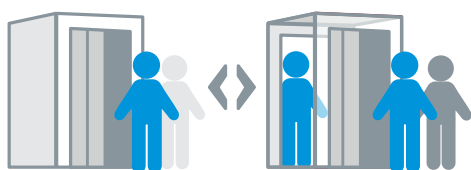
Flexible cabin size that increases in width and depth in increments of just 10 mm ensures the perfect fit for your needs. Cabin height is available in 6 different steps, from 2070 to 2400 mm.



## Wide range of doors

synergy offers a wide range of door and opening sizes, adapted to the building regulations and building configuration requirements (from 600 mm to 1000 mm in width, height up to 2100 mm). Car doors are supplied in brushed stainless steel and landing doors with a grey primed coating.

Other finishes are available as options.



## Single or double boarding

Single or double door configuration provides more options for traffic flow design in buildings.

# Efficiency. Contributing to sustainability.



synergy embodies all thyssenkrupp's sustainability commitments: low energy consumption, efficient technology, material recycling and product life-cycle optimisation.

## Life Cycle Analysis - LCA

LCA analysis is a method of assessing potential environmental impact throughout the whole life cycle - including raw material extraction, components production, use and end-of-life. Through this analysis, we identify relevant field of actions and enhance the design process. Our goal is to minimise synergy's environmental impact. Your benefit is a solution that fulfils the highest demands of efficiency and product responsibility.

This synergy has achieved Class A energy efficiency rating according to VDI 4707, including the sleep mode option.

Energy Efficiency rate:  
Class A

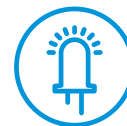


## Sleep mode

synergy includes a sleep mode position as standard. This avoids unnecessary power consumption during nights or laps between ridings disconnecting energy consuming equipment. The lift will then reactivate when a demand is placed via the landing pushes.

## Efficient and long-lasting LED lighting

LED lighting can last 10 times longer and is up to 80% more energy efficient than halogen lighting. It neither generates heat nor produces annoying flickering and reaches full brightness immediately. Excellent reasons to include it as standard.



## Regenerative drive, smart energy saving

The optional regenerative drive is a smart system which generates electricity when the car has a full load going down and is empty going up. The power generated in both situations is then captured and fed into the grid to be consumed by the elevator's electrical system or other electrical systems within the building.







synergy proves that comfort is more than just the ride: it also means easy operation, attractive panels, high-quality materials, beautiful finishes and outstanding performance.



#### **Smooth, comfortable ride**

Enjoy a smooth ride thanks to our latest inverter technology. Perfect landing precision ( $\pm 3$  mm) prevents tripping between the car and the landing.

#### **Quiet performance**

We have developed an integrated solution to optimise acoustic comfort in the cabin and in the shaft, so that you can enjoy peace and quiet.

Comfort.  
Experience  
the ride.

# Safety. Our commitment.



synergy elevators include reliable and efficient security systems complying with the most demanding safety regulations worldwide.

The design of thyssenkrupp elevators already meets the requirements of the new EN 81-20/50 standard governing the safety of passengers and service personnel.

#### **Elevators are the safest means of transport**

synergy meets the requirements of the elevator standards EN 81-20 and EN 81-50 with CE conformity. Is also complies with environmental standards, as well as ISO 9001 and ISO 14001.

#### **Emergency evacuation**

The Automatic Rescue Device (ARD) enables evacuation in the event of power failure, taking passengers down to the next floor and opening the doors.

#### **Stay connected 24/7**

synergy also incorporates a two-way communication system with a control centre for maximum reassurance and safety.

#### **Safe door closing**

The light curtain reacts faster and prevents passengers from getting trapped in the door by detecting small objects up to a height of 1.65 m, even when the doors are closing.

# Design. Style beyond decoration.

Discover synergy's cutting-edge range of pre-designed decor combinations, specially developed to meet a wide spectrum of tastes and atmospheres, using materials that will bring genuine style to your cabin.



## essence

- Versatile design to match your style
- Five design lines and 16 decor combinations in all
- Contrasting rear and side walls using the same finish
- Shiny laminate and stainless steel
- Wide silver mirror
- LED lighting plate. Optional six false ceiling designs available in one colour
- One handrail design in two finishes
- Two Cabin Operating Panel (COP) designs: short / high and glass / steel

essence					
Design lines	Pure	Home	Sharp	Pop Art	Royal
<b>Cabin materials</b>					
<b>Laminate</b>					
Coloured	•	•	•	•	•
Wooden		•			
Patterned				•	
<b>Stainless steel</b>					
Satin			•		
Coloured					•
Patterned					
<b>Glass</b>					
Coloured					
Patterned					
<b>Custom</b>					
<b>Cabin look and feel</b>					
<b>Clear</b>					
Warm		•		•	
Cold	•			•	
<b>Dark</b>					
Warm					
Cold					
<b>Steel</b>					
Warm			•		•
Cold			•		
<b>Colourful</b>					
				•	
<b>Luxury</b>					
					•



Choose between our range of essence and excellence decor options to create the look and feel that best suits your building. If you would like an even more personalised finish, start from scratch and create an elevator car with precisely the unique atmosphere you are looking for.

#### excellence

- Stunning design that is guaranteed to impress
- Six design lines and 24 decor combinations in all
- Contrasting designs on opposite walls
- Decorative glass and stainless steel
- Full-width silver or smoked mirror
- Eight ceiling designs available in seven colours
- Two handrail designs in two finishes
- Two Cabin Operating Panel (COP) designs: high / full-height and glass / steel

excellence						
Design lines	Downtown	Hero	Natura	Alpine	Oasis	Prestige
<b>Cabin materials</b>						
<b>Laminate</b>						
Coloured						
Wooden	•		•			•
Patterned	•					
<b>Stainless steel</b>						
Satin						
Coloured					•	
Patterned		•		•	•	
<b>Glass</b>						
Coloured	•	•	•	•	•	•
Patterned	•				•	•
<b>Custom</b>						
						•
<b>Cabin look and feel</b>						
<b>Clear</b>						
Warm	•		•		•	
Cold				•		
<b>Dark</b>						
Warm			•			•
Cold		•				
<b>Steel</b>						
Warm					•	
Cold		•		•		
<b>Colourful</b>						
	•					
<b>Luxury</b>						
					•	•





essence decor  
Design line: Pop Art  
Decor: Bold Blush  
Ceiling: Lightbox, LED lighting  
Walls: Laminate  
Floor: Vinyl Tissé Grey  
COP: Edge essence

Design. essence decor.

# Design adjusted to your lifestyle.

Characterised by fresh colours and a contrasting rear wall, the range of essence decor options presents design solutions which easily adapt to your lifestyle. A wide variety of high-quality laminates and steel for walls, an ample selection of decorative ceilings and an extensive collection of flooring. Timeless and user-friendly control panel designs offer the final distinctive touch to create sleek and modern interiors in residential buildings.

The essence range provides your building with enhanced aesthetics and greater comfort. It includes five design lines: Pure, Home, Sharp, Pop Art and Royal, and sixteen decor combinations in all.

**Moonlight** - LM01S/LM01S/LM01S



**Thunderbolt** - LM02S/LM02S/LM02S



## **Pure**

Maximum simplicity without colour contrasts. The Pure design line creates a neutral, minimalist car interior with the characteristic brightness of our high-quality shiny laminate panels.

**Finish legend:** Opposite to COP wall / rear wall / COP wall

## essence

**Blonde Cane** - LM01S/LW02/LM01S



**Finish legend:** Opposite to COP wall / rear wall / COP wall

**Bronze Cane** - LM06S/LW03/LM06S



### Home

Our most organic design line combines the warmth of wood finishes on the rear wall with light or dark side-wall finishes. A timeless style, without sacrificing contemporary details, makes for a harmonious environment.



## essence

### Sharp

Sharp design line combines the solid look and innate perfection of stainless steel on the rear wall with a range of bold, glossy laminate colours on the side walls, resulting in a series of harmonious, balanced and long-lasting spaces.

**Zen** - ST01/ST01/ST01



**Maui** - LM08S/ST01/LM08S



**Plum** - LM09S/ST01/LM09S



**Macchiato** - LM05S/ST01/LM05S

## essence

**Bold Blush** - LM01S/LM10S/LM01S



**Lime** - LM01S/LM11S/LM01S



### Pop Art

This design line brings colour and design together to create a cool, chic style that lends personality to create a fresh, modern living area. This is our maverick proposal, a selection of colours and boldly patterned laminates that will really make an impact.



**Mango** - LM01S/LM12S/LM01S



**Carbon Stripes** - LM01S/LP01/LM01S



**Grey Space** - LM01S/LP02/LM01S

## essence

**Chocolate** - LM06S/ST05/LM06S**Finish legend:** Opposite to COP wall / rear wall / COP wall**Pearl** - LM03S/ST05/LM03S**Ivory** - ST05/ST05/ST05

Design. excellence decor.

# Unique elevator experience.

Geared to high-end residential buildings, the range of excellence decor option is our most complete and versatile one. It represents a qualitative step up in materials and interior finishes.

Benefit from top-of-the-line cabin operating panels, a wide range of ceiling designs and colours, and a carefully selected assortment of high-quality wall panel materials and finishes.

The concept for this range extends beyond pure aesthetics. A broad catalogue of unique decor combinations, created by expert designers, grouped into design lines to appeal to different tastes, atmospheres and preferences. The full rear mirror in bright or dark colours, will accentuate the overall atmosphere. Within the range of excellence decor, each decorative element has been planned to provide a unique elevator ride experience. This range includes six design lines: Downtown, Hero, Natura, Alpine, Oasis and Prestige, with twenty-four decor combinations in all.



excellence decor  
Design line: Alpine  
Decor: Iceberg  
Ceiling: Island grey, LED lighting  
Walls: Decorative glass  
Floor: Sintered compact, Nero Assoluto  
COP: Edge excellence



## excellence

### Downtown

Downtown design line unites tempered glass, bright fresh colours, light wood and fawn finishes to create bold, unconventional spaces.

**Mojito**- GL01/GL01/GL01



**Marina** - GP01/GL01/GL11



**Wayfarer** - GL08/GL01/LW02



**Industrial** - LP04/LP03/LP03

**Finish legend:** Opposite to COP wall / rear wall / COP wall

## excellence

### Hero

Dark, minimalist tones are the hallmark of Hero design line. It combines steel, discreet finishes and tempered glass in dark tones to transmit maximum elegance. They are perfectly suited to both extremely modern and decidedly classic spaces.

**Storm** - GL13/GL07/GL03



**Ronin** - ST03/GL07/ST03



**Mentor** - GL07/GL07/GL07



**Guru** - ST02/GL07/ST02

## excellence

### Natura

Natura is our expression of warmth, conveyed through hardwoods and textures with soft, neutral tones that recall a natural setting: classic, elegant, yet with a unique, modern touch.

**Aoraki** - GL01/GL01/LW04



**Serengeti** - LW08/GL03/LW08



**Abisko** - LW02/LW02/LW02



**Ordesa** - LW02/GL03/LW08

**Finish legend:** Opposite to COP wall / rear wall / COP wall

## excellence

### Alpine

The Alpine design line is defined by the use of white, black and earthy colours in simple combinations with glass and steel. These bright, stunning decor combinations are used to break with the sometimes cold, impersonal feeling of modern surroundings, livening them up in a simple, unembellished manner.

**Husky** - GL01/GL01/GL07



**Glazier** - GL01/GL01/GL01



**Iceberg** - GL02/GL02/GL02



**Frazil** - ST03/GL07/GL01



## excellence

### Oasis

The Oasis design line for exclusive, high-end buildings evokes lavish oriental opulence. With champagne patterned steel as a core material, it will transport you to a world reflecting light and luxury.

**Oyster** - GL01/GL01/GP02



**Sahara** - ST05/ST05/GL07



**Dunes** - ST05/ST05/ST04



**Alhambra** - ST05/ST04/ST05

**Finish legend:** Opposite to COP wall / rear wall / COP wall

## excellence

**Stradivarius** - LW03/GL06/LW03



### **Prestige**

The excellence range is rounded off by the Prestige design line. Its style is characterised by the use of hardwoods combined with patterned glass designs. Prestige creates a wholly different space, pristine and sophisticated, with appealing patterns and the classic touch of wood. In addition to these lines, our Custom fit decor range offers a complete, tailor-made decorative option to meet the most exacting requirements.

**Lürsen** - LW06/GL07/GP04

**Chambord** - LW01/LW01/GP03

# Custom fit solutions.

If you are looking for something truly distinctive, exclusive or unique, our Tailor-made solution is the ideal choice. However, the Public Spaces option best suits the specific use of your building.

## Public Spaces

Thanks to its versatility, application range and reliable operation –with top-quality proven components– synergy is also a suitable for commercial applications.

In addition to our range of essence and excellence decor options, synergy offers a new range of decorative solutions and options specially designed for public buildings with specific uses, such as hospitals, retail, offices or hotels. Because your building needs are different, all details have been taken into consideration.

For a complete overview of our Public Spaces decorative solutions and options, see our separate brochure for commercial application products.

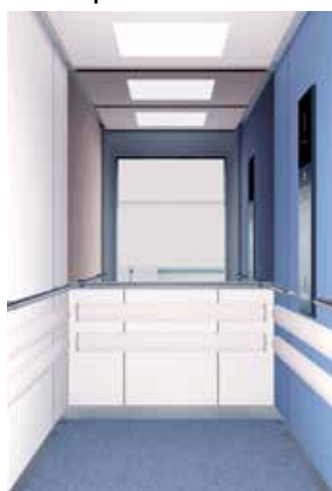
## Tailor-made

Choose a complete cabin design from our wide range of essence and excellence decor options or create your own unique design by mixing and matching materials, patterns, colours and finishes with your choice of lighting and signalling solution.



Tailor-made decor

## Public Spaces



Healthcare



Retail



Offices



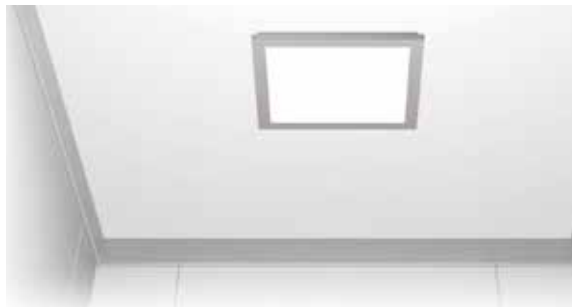
Hotels

## Design. Ceilings.

# The sky is the limit.

### essence

The essence range offers a variety of ceiling options, from a slim LED plate to a selection of false ceilings with printed designs in the central area. Different designs for different atmospheres: Grille for uniform lighting and conventional ambiances, Rocket for minimalist lighting in quiet and still spaces, Lightbox for high lighting requirements and lived spaces. Water Lily, Tiffany and Agrabah for a distinctive touch with amazing lighting effects.



LED lighting plate



Grille



Rocket



essence Lightbox



essence Water Lily



essence Tiffany



essence Agrabah



## excellence

Our excellence range expands your options for ceilings by adding more designs and more colours. The printed area reaches right to the ceiling edges, creating amazing reflection effects on the full wide rear mirror. Enhance the impact of the LED lighting by adding a ceiling surrounding back light and to create a wider and more comfortable cabin space.



1. White.
2. Grey.
3. Black.
4. Cream.
5. Yellow.
6. Orange.
7. Chocolate.



Grille



Rocket



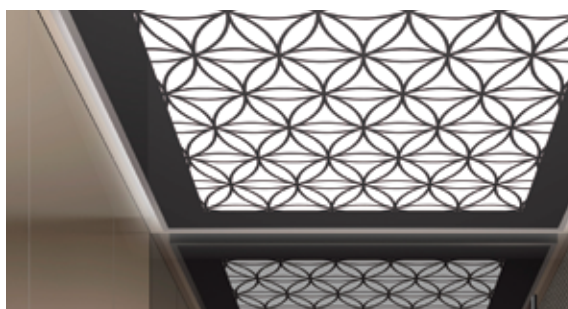
Eclipse



Island



excellence Lightbox



excellence Water Lily



excellence Tiffany




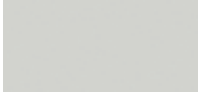
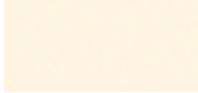













excellence Agrabah




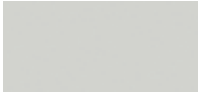


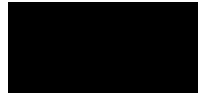














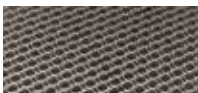



Design. Walls.

# A broad palette of colours and materials.

## essence

					
<b>Crystal White</b> LM01S	<b>Folkestone</b> LM02S	<b>Pearl</b> LM03S	<b>Kashmir</b> LM05S	<b>Dark Chocolate</b> LM06S	<b>Maui</b> LM08S
					
<b>Amarena</b> LM09S	<b>Juicy Pink</b> LM10S	<b>Lemon</b> LM11S	<b>Levante</b> LM12S	<b>Dogbone Black</b> LP01	<b>Maxi Mode White</b> LP02
					
<b>Natural Cane</b> LW02	<b>Rattan Cane</b> LW03	<b>Brushed stainless steel</b> ST01	<b>Stainless steel Satin Champagne</b> ST05		

## excellence

					
<b>Crystal White</b> GL01	<b>Folkestone</b> GL02	<b>Pearl</b> GL03	<b>Dark Chocolate</b> GL06	<b>Diamond Black</b> GL07	<b>Maui</b> GL08
					
<b>Lemon</b> GL11	<b>Storm</b> GL13	<b>Downtown Marina</b> GP01	<b>Oasis Oyster</b> GP02	<b>Prestige Chambord</b> GP03	<b>Prestige Lürsen</b> GP04
					
<b>Limed Strand</b> LW01	<b>Natural Cane</b> LW02	<b>Rattan Cane</b> LW03	<b>Ebony</b> LW04	<b>Classic Wenge</b> LW06	<b>Concrete</b> LP03
					
<b>Korten</b> LP04	<b>Stainless steel Linen</b> ST02	<b>Stainless steel Checks</b> ST03	<b>Stainless steel Honeycomb</b> ST04	<b>Stainless steel Satin Champagne</b> ST05	

**Finish legend:**  
 LM\_S: Laminate plain colours, shiny finish  
 LP: Laminate patterns  
 LW: Laminate wooden  
 ST: Stainless steel  
 GL: Glass plain colour  
 GP: Glass printed pattern

## Design. Details.

# What makes the difference.

### Handrails

Strong stainless steel handrails provide passengers an enhanced sense of safety. Curved end and a silver or champagne stainless steel finish to better match your decor. Place them on rear or side walls. Sloped fittings are available in the excellence range.



Stainless steel Satin Silver  
Straight fittings



Stainless steel Satin Champagne  
Straight fittings



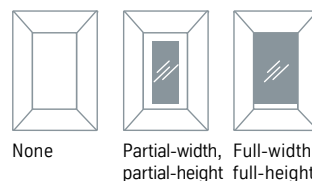
Stainless steel Satin Silver  
Sloped fittings



Stainless steel Satin Champagne  
Sloped fittings

### Mirrors

Integrated into the rear or side wall (double boarding), mirrors enhance the feeling of space inside the cabin and create appealing ceiling light reflections. Choose the partial-width and partial-height silver safety mirror for essence range or the full-width and full-height silver / smoked safety mirror for excellence designs. The cabin can also be designed without a mirror in the excellence range.



### Skirting

Even normal elevator use can damage the bottom of walls and flooring edges. The stainless steel skirting provides wall panels with long-lasting, high-quality finishes while complementing the decorative theme with the elegance of steel. Satin Silver, Champagne or Black stainless steel, available according to your decor selection, add the finishing touch.



Stainless steel  
Satin Silver



Stainless steel  
Satin Champagne

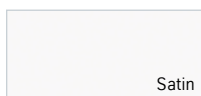


Stainless steel  
Satin Black

### Floors

Discover the wide range of high-quality flooring materials available for synergy. Choose from hard-wearing vinyls for basic functional requirements or sintered compact surfaces with the look of stone or marble for a more exclusive design. Lighter colours to enlarge spaces while darker shades enhance your chosen decor. With a choice of satin or polished finishes, you have plenty of options to create the perfect ambience.

#### Sintered compact



Artic White



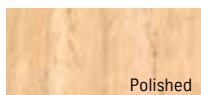
Nero Assoluto



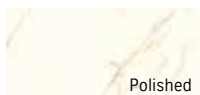
Timber Ash



Timber Ice

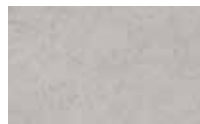


Travertino Navona

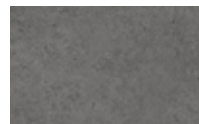


Calcatta

#### Vinyl



Concrete Light Grey



Concrete Dark Grey



Clie Clair



Clie Carbon



Stone Beige



Tissé Grey



Nature Black

**Note:** Options, colours and specifications are subject to change. All car decorations and options illustrated in this brochure are representative only. The actual products may vary slightly from the samples of colours and materials shown. Patterned samples not to scale. Consult your thyssenkrupp Elevator sales representative about the cabin designer tool and samples.

Design. Cabin operating panels.

# Style to draw attention, quality and usability to fall in love with.



Edge essence



Alto essence

## essence

Provide a unique touch of elegance to your car decor with the new essence cabin operating panels range. Elegant, affordable design in stainless steel or black glass face plate, with a large, integrated, high-resolution TFT display. Dot Button design line with white LED call confirmation and Braille lettering.

### Standard essence

- Integrated TFT 7" display screen
- Overload indicator
- Emergency call system
- Round green frame around main floor push-button according to EN 81-70
- Buttons for door open and close
- Stainless steel push-button face plate

### Optionally

- TFT 12" multimedia display screen (Alto essence)
- Selective door control for double accesses
- Key switches
- Double-click call cancellation

### Displays

Why not give your car a multimedia display screen? The TFT12" display screen, softly integrated into the black glass, is available in the wider configuration for the Alto essence operating panel.



TFT 7"



Multimedia TFT 12"

## excellence

Impressive design for a superior ambiance. Vertical, full-height designs in stainless steel or black glass face plate, with a large integrated TFT display screen. Steel finish decorative elements provide an ideal complement to the car's decor. Dot Button design line with white LED call confirmation and Braille lettering.



Edge excellence



Alto excellence

### Standard excellence

- Integrated TFT 7" display
- Overload indicator
- Emergency call system
- Round green frame around main floor push-button acc. EN 81-70
- Buttons for door open and close
- Stainless steel push-button face plate
- Courtesy COP LED backlighting

### Optionally

- TFT 12" multimedia display screen
- Selective door control
- Key switches
- Double-click call cancellation



TFT 7"  
Decorative fixture  
Stainless steel Satin  
Champagne



Multimedia TFT 12"  
Decorative fixture  
Stainless steel Satin  
Black



TFT 7"  
Decorative fixture  
Stainless steel Satin  
Silver



Multimedia TFT 12"  
Decorative fixture  
Stainless steel Satin  
Champagne

## Design. Landing fixtures.

# Style to draw attention, quality and usability to fall in love with.

### Landing operating panel

Configurable design that is easily adapted to the functional and aesthetic needs of the building. Choose black glass or a stainless face plate finish -Brushed or Satin Champagne- and select the functions: collective up-down calls, key switches for special access, integrated TFT display screen for position and function information, etc. The surface-mounted design makes it easy to place on the landing door frame or landing wall.



#### LOP 50

Display zone  
Push-buttons zone  
Key switch zone



#### LOP 52

Push-buttons zone  
Key switch zone



#### LOP 53

Display zone  
Push-buttons zone



#### LOP 51

Key switch zone



Amazingly easy configuration that provides uniform style for all landings, no matter what the needs of each one are. Plenty of finishes to suit your chosen decor and give your elevator a unique touch.

#### LOP 51

Push-buttons zone



### Push-buttons

The brand new DB push-button design line introduces round buttons with white LED lighting for call confirmation. It brings design and usability together with white touch characters and Braille lettering. Available in a variety of stainless steel finishes, the face plate provides the final touch for the perfect decor.

### Landing indicator

Achieve a modern, neutral look with black glass face plate on the landing indicators. Integrated high-resolution TFT 3.5" display screen with easy-to-read white arrows and lettering gives users relevant information while they wait for the elevator.

#### LID 50

#### LIP 50



Stainless steel  
Satin Silver



Stainless steel  
Satin Black



Stainless steel  
Satin Champagne





# Engineering to the new European standards.

## **New EN 81-20 and EN 81-50 European standards for elevators**

The EN 81-20 and EN 81-50 standards guarantee compliance with European Lift Directive 2014/33EU, replacing the current EN 81-1 and EN 81-2, and substantially improving the safety, comfort and strength of future passenger and freight elevators. The new standards will be effective as of September 1, 2017, while the existing EN 81-1 and EN 81-2 standards will remain valid during the transition period.

To ensure maximum safety for passengers and maintenance personnel while phasing in these new regulations, thyssenkrupp Elevator Manufacturing Spain has designed synergy in accordance with the new EN 81-20 and EN 81-50 standards.

These new regulations increase passenger and service personnel safety through new or more stringent technical and design requirements. The main aspects include:

### **Passenger safety**

- Increased lighting requirements in car
- More resistant, durable car structure and doors
- Safety glass mirror
- Higher requirements for fire-resistant materials in car interior
- More accurate light curtain to prevent small objects from being trapped
- Wider emergency hatches in car roof

### **Maintenance personnel safety**

- Increased lighting requirements in the shaft
- Enlarged safety spaces within the shaft headroom and pit
- Additional elevator inspection control in pit
- Higher, more stable handrail on car roof
- Stronger counterweight screen in shaft pit

Consult our thyssenkrupp Elevator sales representative for further information.



# Technical data.

General data														Legend:									
Usage	Residential and commercial													n°: Passengers					SW: Shaft width				
Passengers	4 to 13 passangers													Q: Load					SD: Shaft depth				
Load	320 / 450 / 630 / 825 / 1000													CW: Car width					P: Pit				
Speed	1.0 / 1.6 / 1.75													CD: Car depth					O: Overhead				
Travel height	Up to 60 m													DO: Door opening					SE: Single boarding				
Elevator type	Machine room-less / machine room													DW: Door width					DE: Double boarding				
Doors	Type: C2 / C4 / L2 / L3; Height: 2,000 - 2,100 mm; Width: 700 - 1,000 mm													<b>Note:</b> Dimensions according to following criteria: self-supporting cabin at 1 m/s and car with sling at 1.6-1.75 m/s. Car height CH=2200 mm; doors on recess and DH=2000 mm, min. shaft width to get min. overhead. The values shown correspond to a generic installation. Optional reduced pit 550 mm for self-supporting cabin at 1 m/s. Optional reduced overhead CH+500 with 1100 top cabin handrail, for self-supporting cabin. For specific cases, consult our thyssenkrupp Elevator sales representative.									
Cabin decor	essence: 16 / excellence: 24 / Spaces: 55 / Tailor-made solution																						
Fixtures	4 COP options, TFT displays, glass or stainless steel finish																						
EN 81 20/50																							
Capacity		Car		Door		Shaft 1 m/s						Shaft						1.6 m/s		1.75 m/s			
Passenger n°	Q kg	CW mm	CD mm	DO mm	DW mm	Min. mm	SW mm	Max. mm	SD mm	SE mm	Max. mm	SD mm	DE mm	P mm	O mm	Min. mm	SW mm	Max. mm	SD mm	DE mm	P mm	O mm	
4	320	850	1000	L2	700	1350	1590	1290	1415		1100	3500	-	-	-	-	-	-	-	-	-	-	
		900	1000			1400	1640	1290	1415		-	-	-	-	-	-	-	-	-	-			
6	450	1000	1200	L2	800	1500	1740	1490	1615		1000	3500	-	-	-	-	-	-	-	-	-	-	
		950	1300			1455	1690	1590	1715		3400	1480	1705	1590	1715	1425	3620	1530	3750				
		1000	1250			1500	1740	1540	1665		3400	1530	1755	1540	1665								
8	630	1100	1400	L2	800	1600	1840	1690	1815		1000	3400	1630	1855	1690	1815		1325	3620	1430	3750		
					900	1600	1840	1690	1815		1630	1855	1690	1815									
				C2	800	1800	1840	1675	1785		1815	1855	1675	1785									
					900	1985	2135	1675	1785		3800	1985	2160	1675	1785		4020		4150				
10	825	1350	1400	L2	800	1875	2405	1690	1815		1000	3800	1910	2440	1690	1815		1325	4020	1430	4150		
					900	1875	2405	1685	1810		1910	2440	1685	1810									
				C2	800	2055	2405	1675	1785		2070	2440	1675	1785									
					900	2170	2405	1650	1740		2170	2440	1650	1740									
13	1000	1100	2100	L2	900	1625	2155	2390	2515		1000	3800	1660	2190	2390	2515		1325	4020	1430	4150		
					1000	1750	2155	2385	2510		1765	2190	2385	2510									
				C2	900	1985	2155	2375	2485		1985	2190	2375	2485									
					1000	2120	2155	2350	2440		2170	2190	2350	2440									
				L2	900	1925	2455	1890	2015		1960	2490	1890	2015									
					1000	1925	2455	1885	2010		1960	2490	1885	2010									
				C2	900	2080	2455	1875	1985		2095	2490	1875	1985									
					1000	2170	2455	1850	1940		2190	2490	1850	1940									
				L2	900	2125	2655	1690	1815		2160	2695	1690	1815									
					1000	2125	2655	1685	1810		2160	2695	1685	1810									
				C2	900	2180	2655	1675	1785		2195	2695	1675	1785									
					1000	2270	2655	1650	1740		2290	2695	1650	1740									

During the planning phase, please consider all applicable regulations stipulated by the relevant notified body and all applicable national regulations.  
The information provided is for general planning and reference only. For specific project requirements, please consult our thyssenkrupp Elevator sales representative.

# The best of synergy at a glance.

Flexibility with outstanding performance and impressive design.

## Performance, innovation and reliability

- Elevator with or without machine room
- Wide application range in loads, speed and height
- Reduced dimensions for shaft, pit and overhead
- Robust design and high-quality materials
- Optimised installation process and efficient maintenance
- Seismic conditions certification to EN 81-77, optional for category 1, 2 and 3

## Efficiency

- Gearless machine, high efficiency and low energy consumption
- Control system with frequency control (VVVF)
- Sleep mode for electronic devices
- Efficient and long-lasting LED lighting as standard
- Energy efficiency Class A, according to VDI-4707
- Optional regenerative drive for sustainable working

## Comfort and accessibility

- Smooth running
- Silent operation
- Highly versatile solution
- Optional EN 81-70 accessibility code compliance
- Wide range of options ensures the building and passengers requirements can be optimally taken into consideration

## Safety

- CE certified product
- Compliant with EN 81-20 and EN 81-50 European regulations
- Further safety performance options, depending on building use
- Remote alarm in compliance with EN 81-28

## Design

- Exclusive pre-designed decor ranges –essence and excellence– to suit different requirements
- essence range includes 16 decor combinations within five design lines and excellence includes 24 decor combinations grouped into six design lines
- Optional Public Spaces design collection
- Optional Tailor-made design
- Wide range of materials, colours, ceilings and options
- Brand new cabin and landing operating devices



# Your solution partner.

With the highest guarantee of quality and service



## Commercial support

Our highly qualified and experienced commercial team will advise you on the best mobility solutions to meet your building and passenger requirements. They will support you throughout the entire process, from preliminary sketches to final delivery and commissioning.



## Customised solutions

We provide a wide range of mobility solutions adapted to your specific needs, from functional residential buildings to special buildings. Our engineering teams carefully study each project to find the best technical solution, providing all the technical documentation required for each phase of the construction process.



## Professional installation

thyssenkrupp Elevator installation teams undergo continuous training to give you the best installation service. This means less time is needed for elevator installation, while at the same time complying with health and safety standards throughout the whole process.



## Maintenance

thyssenkrupp Elevator offers a reliable, high-quality maintenance service thanks to our expertise in elevator technology. Our customised maintenance plans are precisely matched to your needs.



## Customer service

A highly qualified team, the most advanced technical resources, an integrated infrastructure and proficient logistics management enable us to offer quick and efficient customer service anywhere. In addition, our extensive network of branch offices brings personal service right to your door. Quality and service centres continuously monitor our product quality and service in a direct, personalised way.



# We are thyssenkrupp.

thyssenkrupp Elevator brings together the Group's global activities in the area of passenger transport systems.



Our product range includes passenger and freight elevators, escalators, moving walks and passenger boarding bridges, as well as stair-lifts and platform lifts.

In addition to these systems for the global market, we also provide customised solutions, service, maintenance and modernisation packages adapted to the needs of each customer.

More than 50,000 employees in over 900 locations worldwide constitute a service network close to our customers.

## **Environmental impact**

We minimise our impact on the environment by maximising the efficiency of our processes, rationalising the consumption of materials and using the lowest amount of energy possible.

## **Mobility solutions**

Our goal is to improve accessibility for people and encourage smart urban development.

We help people to get around quickly, safely and comfortably.

## **Training and development**

From executives to engineers, managers and operators, our employees share a common culture of commitment and responsibility towards sustainability. We take great interest in educating all our employees regarding attitudes and knowledge aimed at this objective, further encouraging their professional development.

## **Commitment to quality**

To achieve greater efficiency and control processes as well as possible, we strictly adhere to the major international standards and quality regulations.



## Elevator Technology

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