

fenix

The latest technology in a machine room

ThyssenKrupp
Elevator Manufacturing Spain



ThyssenKrupp

fenix is the passenger elevator designed for the buildings of the future.

Unique technology, quality, design, price make fenix a perfect solution both for new installation and modernization.



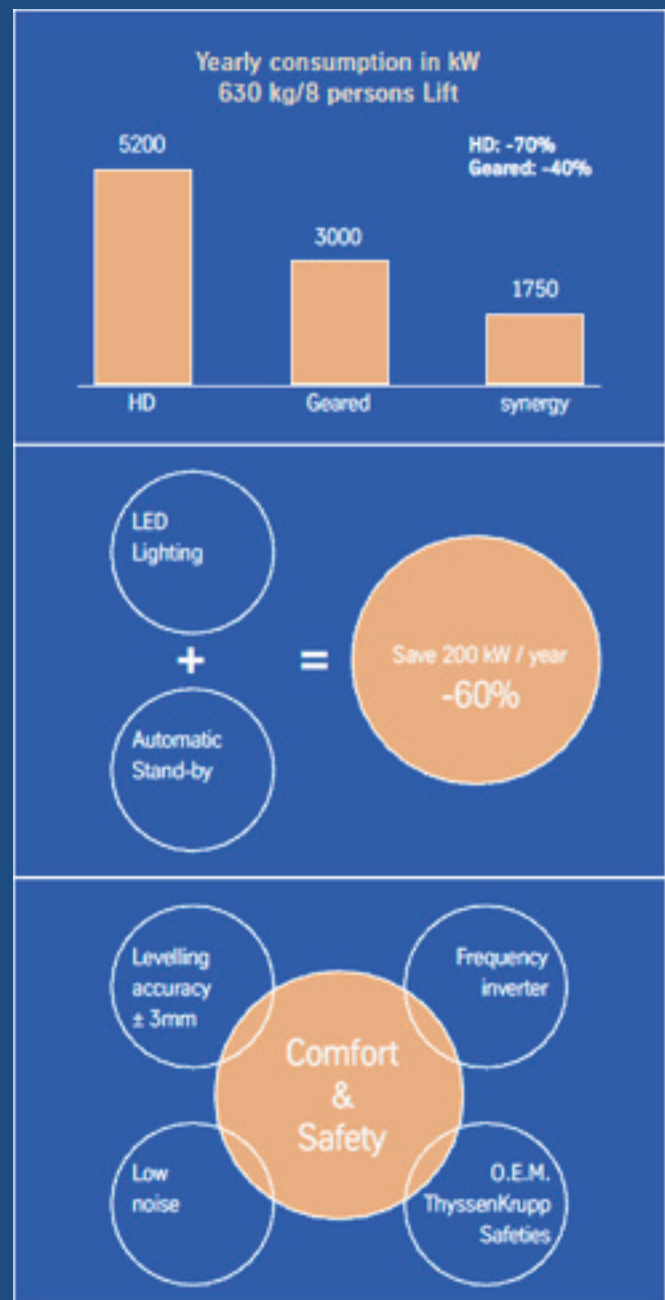
fenix, the latest technology in a machine room

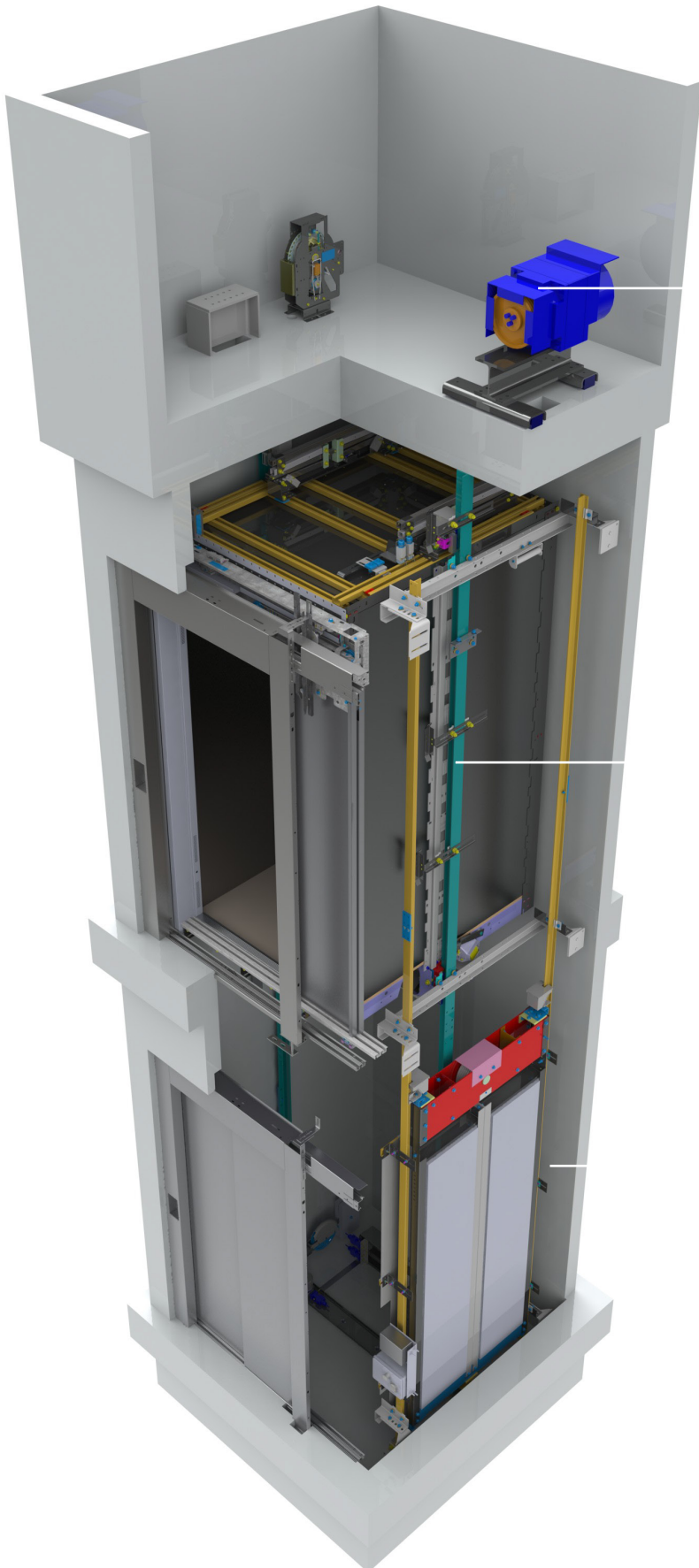
Developing fenix we used our great experience, advanced technological know how and our employees high qualification.

PROCESS OPTIMIZATION

- Raw materials: -20%
- Gas: 21%
- Water: -22%
- Plastic, wood and cardboard: -15%
- Painting and mud: -37%

PRODUCT OPTIMIZATION





The machine, the WVF frequency inverter and the controller are located in the machine room on the top of the shaft.

fenix is a 2:1 rope suspension, with diverting pulleys below the cabin. The ropes are fastened to guiderails up-end.

For fenix at 1m/s car no sling is required.
fenix 1.6 m/s requires sling.

S1: an innovative design for every kind of building

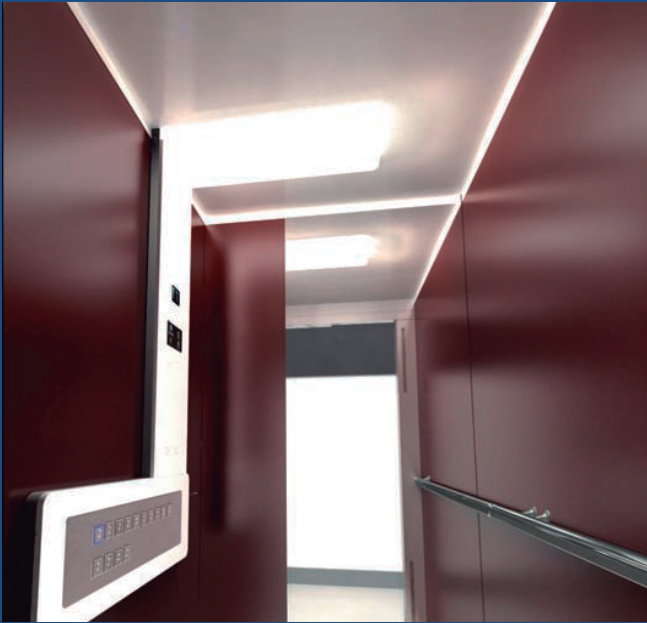
Around the light.

“We present a unique new transportation and meeting space. A bright and great space with a fresh and elegant design”.

Vicente Porres, S1 cabin designer.

S1 is a new elevator concept: a “transportation space” with a modular car operating panel system and LED lighting which perfectly adapt to every cabin maintaining a unique style.

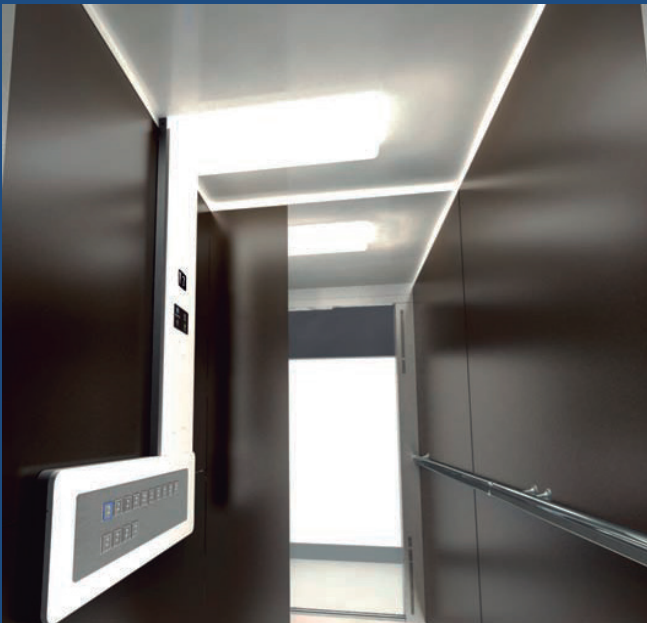




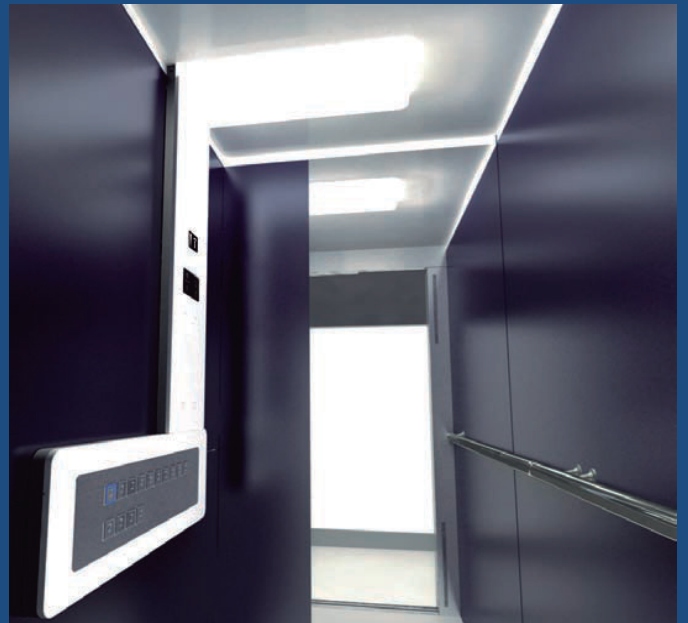
RED-FIRE



WHITE-AIR



BROWN-EARTH



BLUE-WATER

S1: decorating the future

S1 cabin decoration has been awarded with the Chicago Athenaeum Museum Good Design Award 2010, building equipment category.



5 elegant colours will perfectly match your needs.



FLAT COLOURS

01 S1 Black

02 S1 Fire

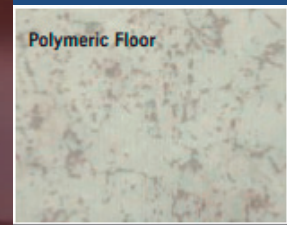
03 S1 Earth

04 S1 Water

05 S1 Air

FLOOR

Polymeric Floor





Vertical Car Operating Panel.



1 standard handrail.
2 or 3 more handrails as an option.



LIP 7 COP (standard).



LIP 7 LOP.



Programmable LCD TKE. Hall and cabin indicator (optional).

Millenium Classic: the exclusive design with multiple options

This cabin has been specially designed to overcome architectonic barriers and complies with all requirements established by the European Normative EN 81-70 for accessible lifts.

Its main highlights are the horizontal car operating and lighting panels. The buttons include Braille and audible and visible call indication.

The decoration is based on horizontal panels made on Melamine in the standard version or in three different stainless steel as an option.



FLAT COLOURS

01 Light Yellow

02 Beige Arena

03 Orange

04 Lavender

05 Montana Grey

WOOD

01 White Beech

02 Swiss Pear

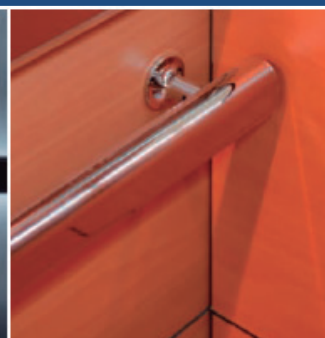
03 Cherry tree

FLOORS

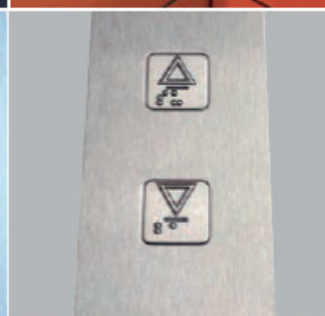
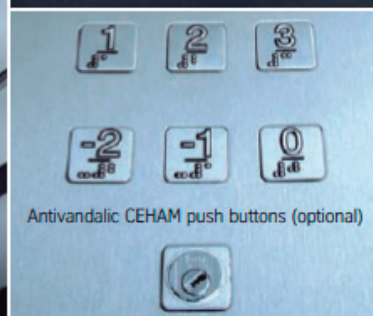
01 Grey

02 Dark blue

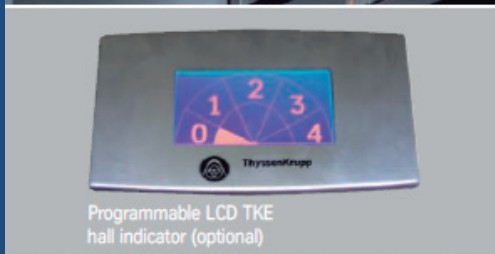
03 Anthracite



Optionally, handrails can be placed at one, two or three walls. Also an aluminium skirt can be supplied upon request.



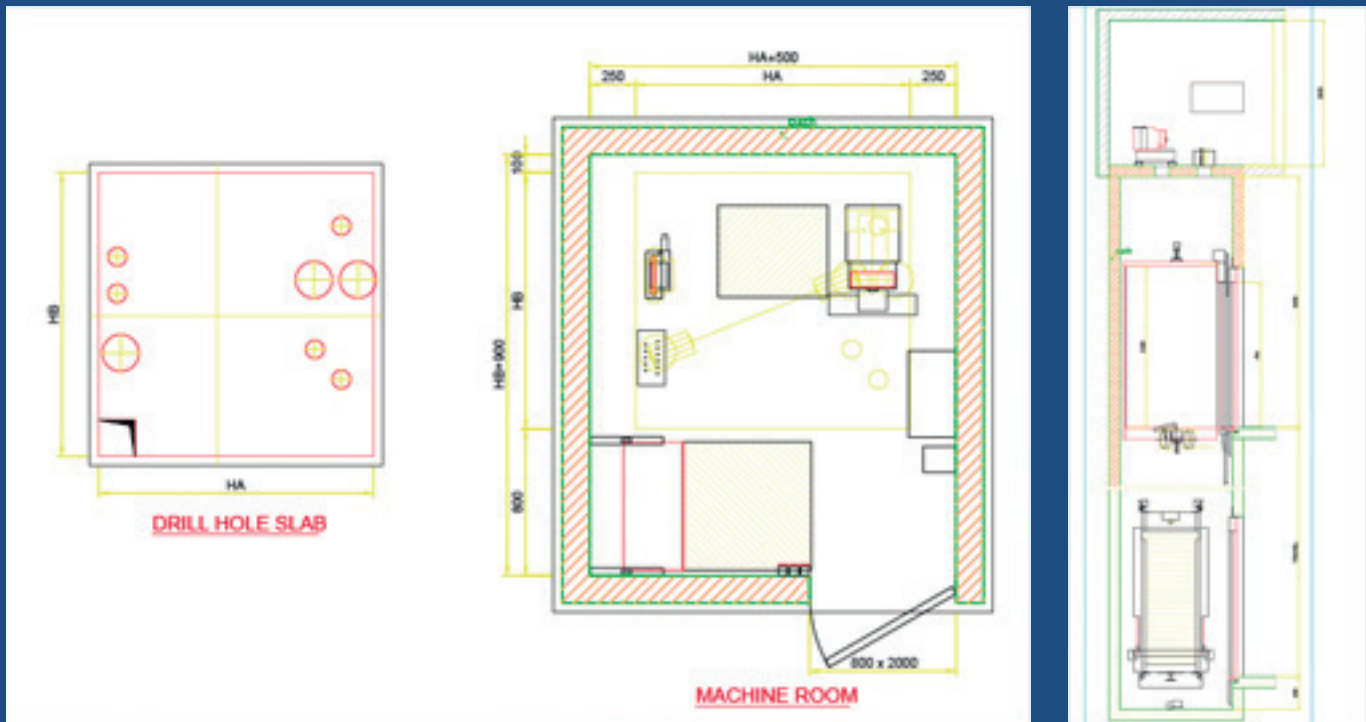
Antivandalic CEHAM landing push buttons.



ICd displays: LIP4 in the standard version and programmable LCD TKE. The lighting device based on fluorescent is located at the top of the wall opposite to COP wall. Fluorescent lighting (standard). LED lighting (option).



fenix, great value and performances



Capacity (kg)	320 kg	450 kg	480 kg	630 kg	800 kg	1000 kg
Persons	4	6	6	8	10	13
Speed (m/s)	1.0 - 1.75					
Rope suspension	2:1					
Maximum number of stops*	16 - 21					
Maximum Travel height (m)*	30 (45 with compensation chain) - 30 (60 with compensation chain)					
Entrances	One or two entrances at 180°					
Controller	CMC4					
Control Cabinet	In the machine room					
Car type	Self-supporting K29 - K26b					
Car decoration	Millenium Classic - S1					
Doors type (mm)	Two-panel telescopic sliding doors - Central doors					
Doors width (mm)	700	800	800 - 900	800 - 900	900 - 1000	900 - 1000
Doors height	2000 - 2100					
Machine	Permanent-magnet synchronous gearless machine					
Drive	Frequency Inverter VVVF					
Traction sheave diameter (mm)	240					
Stars per hour (cph)	120			180		
Current intensity (A)	13 - NA	13 - 16.5	13 - 16.5	16 - 21	23 - 28	23 - 28
Current voltage (v)	400					
Landing accuracy (mm)	+/- 3					
Cables diameter (mm)	6					
Number of cables*	3 - NA	4 - 5	4 - 5	6 - 7	8 - 9	10 - 11

Dimensions. fenix

LATERAL OPENING

Dimensions. synergy

LATERAL OPENING

CAPACITY		DOORS			CABIN DIMENSIONS			SHAFT DIMENSIONS		Speed: 1 m/s		Speed: 1.6 m/s		Speed: 1.75 m/s						
Load (kg)	Persons	entrance	width	height	width	depth	height	width	depth	Overhead (2)	Pit (3)	Overhead (2)	Pit	Overhead (2)	Pit					
320	4	single	700	2000	850	1000	2220	1350	1340	3450 / 2700*	900 / 450*	3600	1370	3700	N/A					
																900	1000	1375		
																950	950	1425		
																800	1000	1500		
																double 180°	700	1350	1570	
450	6	single	800	2000	1000	1200	2220	1500	1555	3450 / 2700*	900 / 450*	3600	1370	3700	N/A					
																1000	1250	1500	1605	
																1150	1050	1650	1510	
																double 180°	800	1000	1500	1770
																800	1500	1655	1870	
480	6	single	800	2000	950	1300	2220	1500	1655	3450 / 2700*	900 / 450*	3600	1370	3700	1430					
																900	1575	1755		
																double 180°	800	1650	1970	
																900	1500	1870		
																800	1575	1755		
630	8	single	800	2000	1100	1400	2220	1650	1970	3450 / 2700*	900 / 450*	3600	1370	3700	1585					
																900	1755	1970		
																double 180°	800	1650	1970	
																900	1905	1755		
																800	1790	2040		
800	10	single	900	2000	1350	1400	2220	1655	2455	3450 / 2700*	900 / 450*	3600	1370	3700	1585					
																1000	1955	1955		
																double 180°	900	2155	1755	
																900	1655	2670		
																1000	1955	2170		
1000	13	single	900/1000	2000	1100	2100	2220	1655	2455	3450 / 2700*	900 / 450*	3600	1370	3700	1585					
																1400	1600	1955	1955	
																1600	1400	2155	1755	
																1100	2050	1655	2670	
																1400	1600	1955	2170	
1000	13	double 180°	900/1000	2000	1600	1400	2220	2155	1970	3450 / 2700*	900 / 450*	3600	1370	3700	1585					

* non standard execution

(1) +/- 40mm tolerance

(2) +100mm with 2100 door height

(3) + 100mm if travel >30m (compensation chain)



APPLICATION FIELD

Capacity (kg)	320 kg	450 kg	480 kg	630 kg	800 kg	1000 kg
Persons	4	6	6	8	10	13
Speed (m/s)	1.0 - 1.6					
Rope suspension	2:1					
Maximum number of stops*	16 - 21					
Maximum Travel height (m)*	30 (45 with compensation chain) - 30 (60 with compensation chain)					
Entrances	One or two entrances at 180°					
Controller	CMC4					
Control Cabinet	Next to landing door at last stop					
Car type	Self-supporting K29 - K28b					
Car decoration	Millenium Classic - S1					
Doors type (mm)	Two-panel telescopic sliding doors - Central doors					
Doors width (mm)	700	800	800 - 900	800 - 900	900 - 1000	900 - 1000
Doors height	2000 - 2100					
Machine	Permanent-magnet synchronous gearless machine					
Drive	Frequency Inverter VVVF					
Traction sheave diameter (mm)	240					
Stars per hour (cph)	120			180		
Current intensity (A)	13 - NA	13 - 16.5	13 - 16.5	16 - 21	23 - 28	23 - 28
Current voltage (V)	400					
Landing accuracy (mm)	+/- 3					
Cables diameter (mm)	6					
Number of cables*	3 - NA	4 - 5	4 - 5	6 - 7	8 - 9	10 - 11

* 1m/s - 1.6m/s

NA. Not available

S1 main features

MOTOR / DRIVE / POWER SUPPLY	CAR DOORS
Gearless machine	VF08 Stainless steel car doors
Frequency converter VWF	Electric photocell
Power supply 3 x 400 V - 50 Hz	Door nudging
Lighting voltage 220V	Central opening doors
Connection to emergency power supply	Light curtain
Power supply 3 x 415 V - 50 Hz	Other doors
Power supply 3 x 220 V - 60 Hz	LANDING DOORS
CONTROLLER	Primed coating two panels telescopic sliding doors
CMC4 down selective	Doors in the shaft
Control cabinet in painted steel sheet	Doors in the slab
Up & Down collective-Selective	Stainless steel landing doors
Duplex Controller	Central opening doors
Advanced door opening	Other landing doors
Fire Evacuation system	COMMUNICATIONS
Firemen service	EAR communication system
Groups with different number of stops	2-way intercom
Control cabinet in stainless steel	3-way intercom
Control cabinet at more than 5m from VWF	Other communication system
Automatic Rescue Device	

● Included in the Base Price ● Optional NA Not available

S1 decoration

CAR EQUIPMENT
S1 decoration (K29)
Mirror at rear wall
Polymeric flooring
Flooring prepared for marble/granite (20 mm)
1 handrail
Stainless Steel walls
Aluminium skirt
Fan / Escape hatch
OPERATING AND INDICATING ELEMENTS
S1 push button
Alarm push button
LOP in doorframe
LCD Car indicator LIP 7 with floor and scrolling arrows
1 hour emergency light
Programmable LCD TKE
Voice announcement

S1 decoration

CAR EQUIPMENT
Millenium decoration (K29)
Half mirror at rear wall
Polymeric flooring
Flooring prepared for marble/granite (20 mm)
1 handrail
Stainless Steel walls
Aluminium skirt
Fan / Escape hatch
OPERATING AND INDICATING ELEMENTS
Step Module BST
Alarm push button
LOP in doorframe
LIP 4 car indicator with floor and scrolling arrows
1 hour emergency light
Programmable LCD TKE
Voice announcement

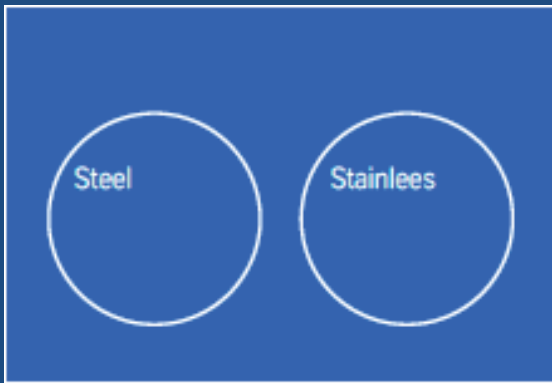
● Included in the Base Price ● Optional NA Not available

THYSSENKRUPP IN BRIEF

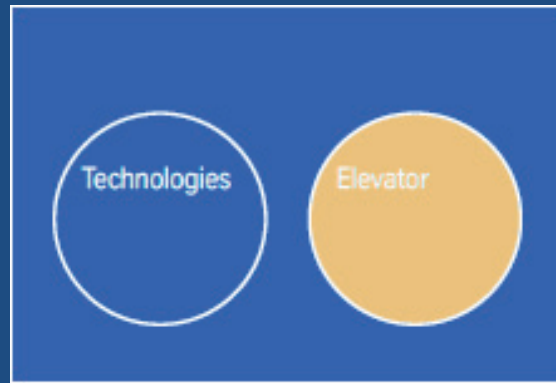
With sales of more than 42 billion euros and 177,000 employees all around 80 countries, ThyssenKrupp is one of the world's major technology groups and occupies excellent positions on the international markets.

The three main business areas of steel, capital goods and services, organized in five segments – Steel, Stainless, Technologies, Elevator and Services – mark out the Group's areas of competence.

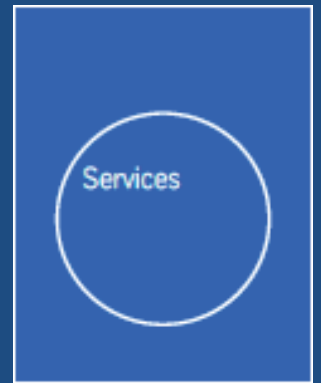
STEEL



CAPITAL GOODS



SERVICES



ThyssenKrupp Elevator is one of the leading elevator companies in the world and represented all over 900 locations in more than 60 countries. With more than 44,000 employees, the company generates more than 5.2 billion euros sales. Products include passenger and freight elevators, escalators and moving walks, stair and platform lifts, passenger boarding bridges as well as quality service for all products.

ThyssenKrupp

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sustainable  efficiency