



Metron

Engineering for Life

Introduction - History | Corporate Values | Facilities
Certifications | Passenger Lifts | Home Lifts HABITAT | Metallic Shaft | Cargo and Car Lifts
Cabins | Models for Lift Doors | References



The idea of creating an automation company was born in 1988 by a group of engineers that was working for the construction company "Horizon". At that time, Horizon was responsible for the construction of a car control center which had automatic doors for buildings as part of the project specifications. The increased cost stimulated this group of engineers to manufacture from scratch their own automatic doors, based on their self-confidence and mentality "Yes, we can". The project was successfully completed. However, the market conditions transformed the initial idea towards the creation of automatic doors for lifts.

Hence, in 1995 Metron was established from Mr. Ioannis Sandros in a small town named Nigrita, where less than 500m² of production facilities were built. In 2000, Metron moved to the Industrial Area of Serres, where it was equipped with the latest machinery tools. Product-wise Metron started the production of folding doors, Bus type, a product that gained rapidly big market share in Greece and Europe. At the same time Metron gradually expanded its product range

with Automatic and Semi-Automatic Doors as well as Cabins. In 2008, after the successful completion of continuous investments, Metron started designing Complete Lift Solutions. In 2009, Metron manufactured the first hydraulic system and very quickly traction solutions, with or without machine room, were also introduced to the arsenal.

Due to the Greek crisis, the company expanded dynamically in most European countries, in Africa, Latin America, Arabian Gulf etc. and as a result is now exporting 90% of its total annual sales.

Nowadays, with the experience in the design and production of complete elevator systems and presence in more than 50 countries worldwide, we are one of the fastest growing lift companies globally with a portfolio so wide, as wide as our customers' needs. What differentiates Metron Products is the unique design and aesthetics that upgrade user's experience combined with the best value for money relationship.

In Metron together with our partners we build our brand identity on 3 axes:

1.People

The foundation on which Metron is built is its human capital, Metron people. Either people on the production lines or people at the front line. All are considered as Metron's biggest competitive advantage and continuous source of inspiration now and always. Respect, ethos, team spirit and the ability of alignment are timeless values and they secure excellent level of customer service and support.

2.Integrity

Metron, as a company, aims at long-term trustworthy partnerships, through the establishment of win-win decisions. This goes for our partners, our employees and Metron itself.

3.Creativity

Customer satisfaction is the result of constant improvement and innovation. Creativity for us means flexibility, seeking and finding the right solution in order to meet our clients' requirements. We are who we are, because we hear our customers, we value their needs and we are ready to improve ourselves and make one step forward. We aim to offer a portfolio so wide as our customers' needs. We are competitive because we care both for our own future and the future of our partners.



Metron's headquarters in the Industrial Area of Serres in Greece are located in a privately owned area of 36.000m², including 15.000m² of production facilities and additional 1.000m² of administration offices and research, training and development buildings. For the manufacturing of its products, characterized by increased technical and aesthetic requirements, the company invests constantly not only in modern mechanical equipment but also in highly educated and trained workforce.

Aiming to improve the overall experience that our solutions offer, new products and services are being developed and updated every day, always with the same Metron characteristics:

- Reliability as product, as people, as company.
- Distinctive Design & Aesthetics.
- "Useful advanced technology" as a client-oriented perception of advanced technology use.
- Competitiveness, perceived as the best value-for-money relationship.



Since 2000 **Metron** has applied a quality management system according to the **EN ISO 9001:2015** standard.

All METRON products bear the **CE** of **European Union** quality certification.

Production lines are programmed and controlled by **MRP** and **ERP** software.



All **Metron** Lifts are designed according to the **European Directive 2014/33/EU** and conform to **European Standard EN 81-20**.

In addition, lifts are designed in compliance with the following more specific European Norms:

- EN 81-70 Disabled People
- EN 81-28 Remote Alarm
- EN 82-21 Existing Building



Metron also holds the **Module H1** certificate which secures the outmost quality control for the *Design, Manufacturing and Certification* of every lift.





HYDRAULIC LIFTS:

Ideal choice for low buildings or residential building up to 8 floors, with low installation cost. The system uses oil pressure and it is highly suggested for residential usage.

Hydraulic Lifts	
Basic Model	
Load/Capacity	300 to 1600 kg (4 to 21 persons)
Maximum Speed	0,75 m/sec
Maximum travel	21 m
Maximum floor served	8
Valve	Bucher
Door Type	Metron Doors
Cabin Type	Metron Cabins

4 - 21 persons | 300 - 1600 kg | 8 stops | **Travel:** 21 m | **Pit:** 350mm | **Head:** 2.600 mm

Oilers

ETN - Germany

Pump

Settima - Italy

Motor

ELMO - Italy

Hydraulic Valves

Blain - Germany
Bucher - Switzerland

Piston

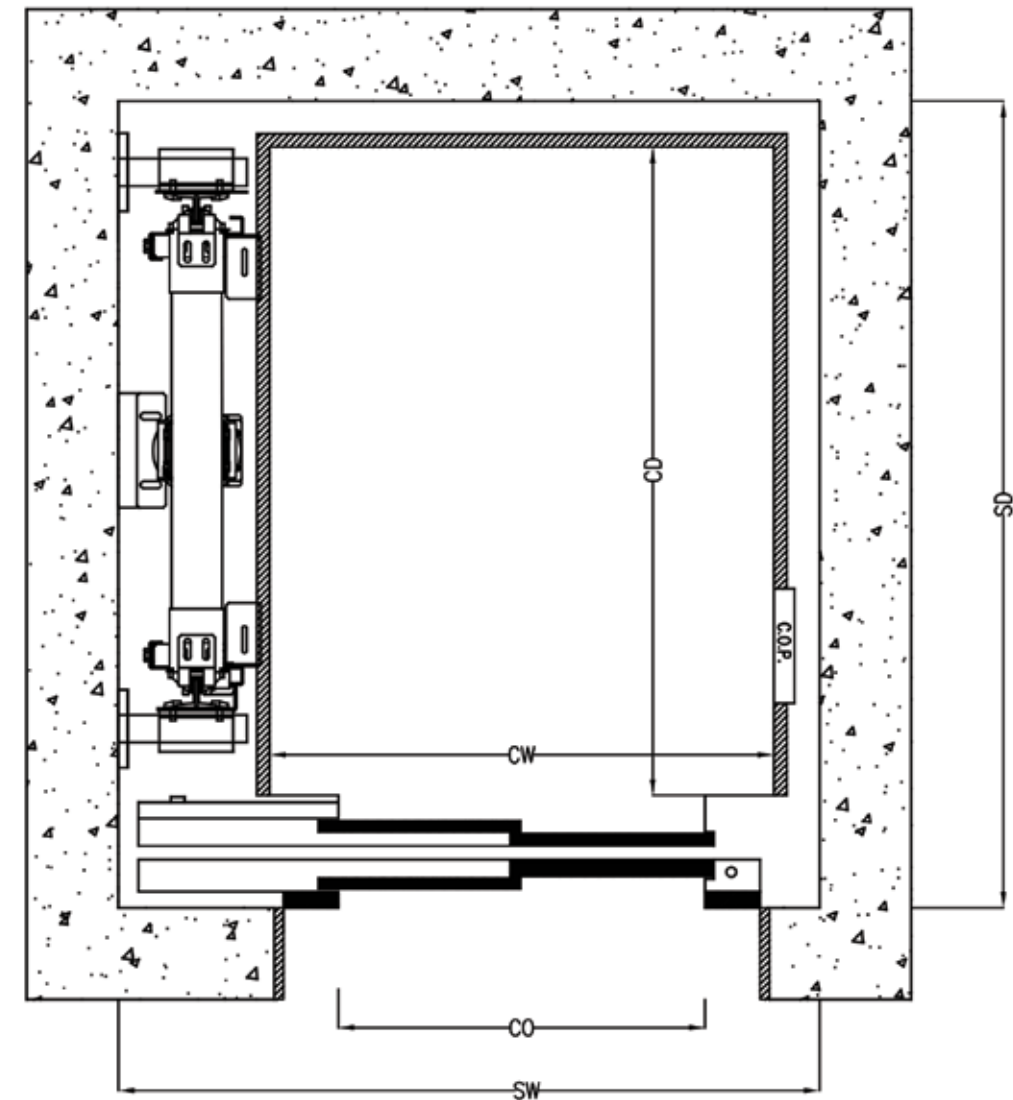
Omar/Wittur - Italy

Guiderails

Marazzi - Italy

Shoes

ETN - Germany



Persons/Load	Shaft Width	Shaft Depth	Cabin Width	Cabin Depth	Door Opening
4/300 kg	1250	1300	850	950	700
6/450 kg	1550	1500	1100	1150	900
8/630 kg	1550	1750	1100	1400	900
13/1000 kg	1850	2050	1400	1700	1100
21/1600 kg	2200	2450	1650	2100	1200

Technical specifications are subject to change without notice.

Usually selected for multi-floor buildings or shopping malls with high usage frequency. Technologically state-of-the-art besides the comparatively higher installation cost, MRL lifts are the most suitable solution because they travel with higher speed and they use advanced technology and low energy consumption systems.

Metron MRL	
Load/Capacity	300 to 2000 kg (4 to 26 persons)
Maximum Speed	2 m/sec
Maximum travel	75 m
Maximum floor served	24
Door Type	Metron Doors
Cabin Type	Metron Cabins

Metron machine roomless traction lifts (MRL):

- Do not require increased shaft dimensions.
- Integrate the latest technologies for reduced energy consumption.
- Have low maintenance requirements.
- Integrate state-of-the-art electronics.
- Have high aesthetics design.
- Conform to European Standards EN 81-20, EN 81-21, EN 81-70 and EN 81-28.

...and has been totally designed by Metron people.

**Speed Governor
Dynatech-Spain**

- (+) top safety level
- (+) quick availability of spare parts

**6.5mm Ropes
Gustav Wolf - Germany**

- (+) minimum motor pulley
- (+) minimum lengthen over time

**Guide Shoes
ENT - Germany**

- (+) reduced noise inside the cabin
- (+) comfort and ride quality for the passengers

Metron Gearless Motor
in partnership with
Lafert - Italy

- (+) highly experienced manufacturer
- (+) alzola dish brake
- (+) encoder

**Safety Gear
Dynatech - Spain**

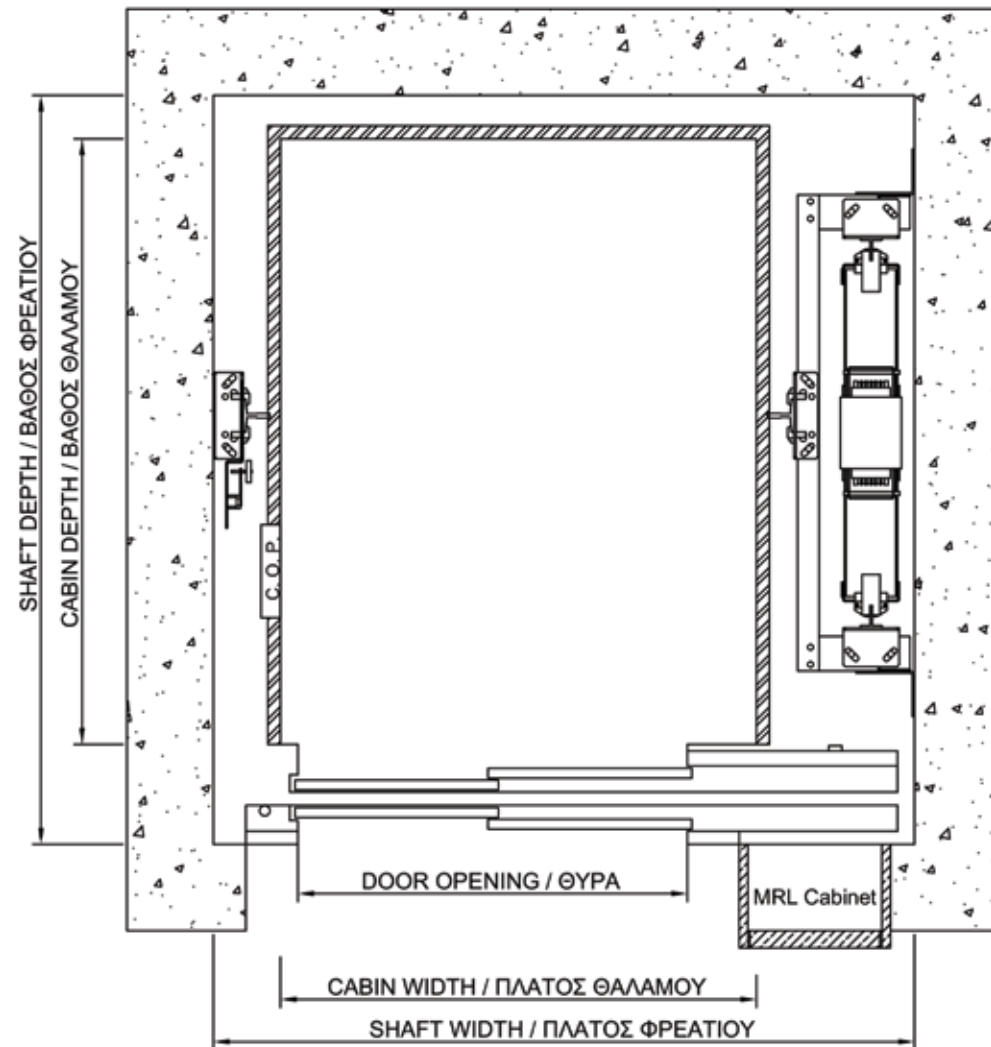
- (+) easy installation
- (+) after braking no need for readjustment

**Buffers
ENT - Germany**

- (+) highest safety
- (+) top brand name



4 - 13 persons | 300 - 1000 kg | 16 stops | **Travel:** 45 m | **Pit:** 1.150 mm | **Head:** 3.350 mm



MRL G STARTER

Persons	Rated Load	Cabin Dimensions			Shaft Dimensions	
		Cabin Width	Cabin Depth	Door Opening	Shaft Width	Shaft Depth
4	300	850	1050	700	1320	1350
6	450	1000	1300	800	1500	1600
8	630	1100	1400	900	1600	1700
10	750	1300	1400	900	1800	1700
13	1000	1400	1700	1000	1940	2000

Technical specifications are subject to change without notice.

Metron MR

Load/Capacity	300 to 2000 kg (4 to 26 persons)
Maximum Speed	1,6 m/sec
Maximum travel	75 m
Maximum floor served	24
Door Type	Metron Doors
Cabin Type	Metron Cabins

- Precise leveling accuracy according to the EN81-20 standard
- Reduced acquisition and maintenance cost
- Outstanding ride quality
- Reduces energy consumption and installed power with using of VVVF inverter
- Complete lift system
- Full shaft drawings and detailed installation, operation and maintenance manuals
- Adaptability at shaft dimensions
- Conforms to EN81-20 & EN81-21

Guide Shoes

ETN - Germany

Oilers

ETN - Germany

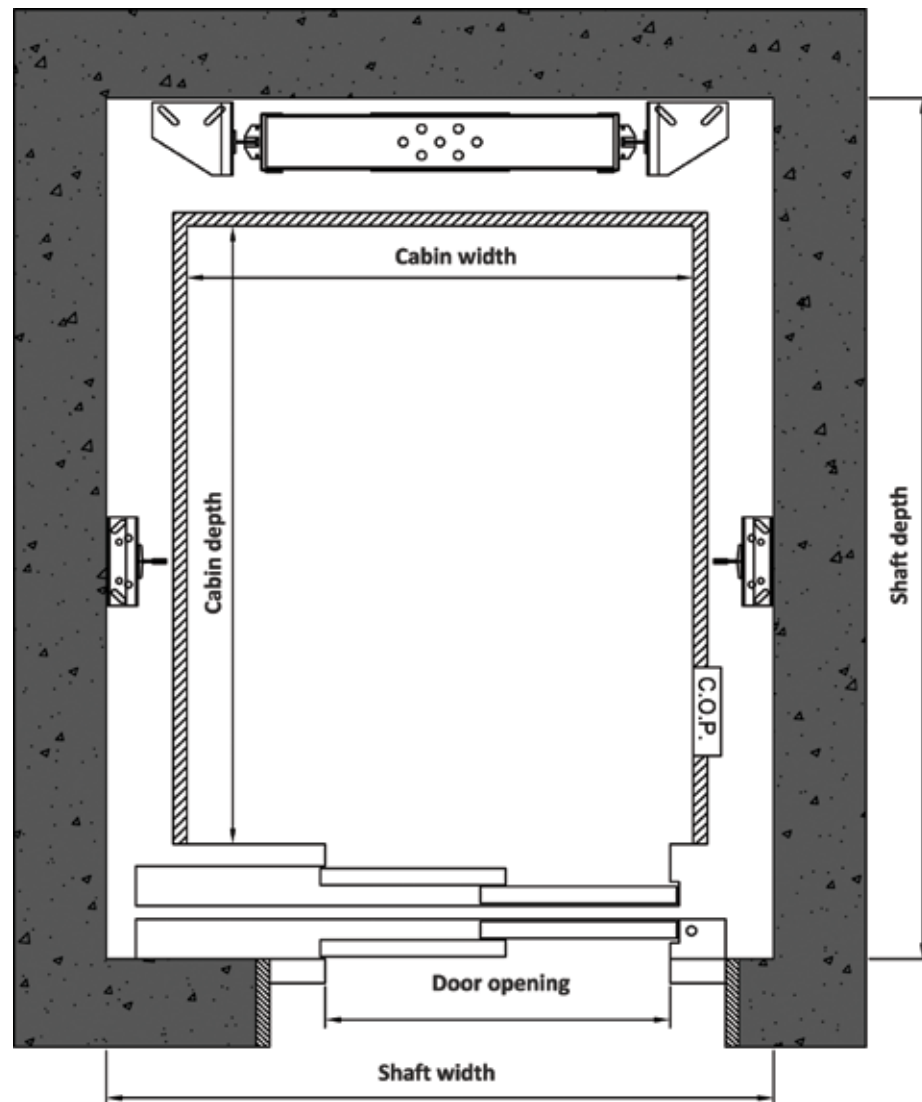
Safety Gear

Dynatech- Spain

Geared Machine

Alberto Sassi - Italy





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Home Lifts - Habitat

When choosing a lift for your house, you are choosing your own elevator, the one that will always operate there.

That's why we, in Metron, are working in order to ensure the smooth and reliable function of your elevator, combined with a flawless aesthetic result. We provide solutions with a great variety of choices in patterns, colours and materials, in order to make a unique lift for you.

Persons / Load	Sling type	Min Headroom (mm)	Min Pit (mm)	Clear cabin dimensions (mm)		Shaft dimensions(mm)		Door opening CO (mm)
				Width CW	Depth CD	Width SW	Depth SD	
4/300 kg	CS 27	3070	860	900	1000	1250	1550	650
6/450kg	CS 27	3070	860	1100	1150	1450	1700	750
8/630kg	CS 813	3110	860	1100	1400	1500	1950	800
13/1000kg	CS 813	3110	860	1350	1700	1800	2250	1000
21/1600kg	InCS 1426	3050	700	1400	2400	1900	3000	1000

Lift Solution	
Load/Capacity	Up to 300 kg (4 persons)
Maximum Speed	0,5 m/sec
Maximum travel	10 m
Maximum floor served	4
Valve	Bucher
Door Type	Metron Doors
Cabin Type	Metron Cabins
Low Pit	200mm
Low Headroom	2600mm

Machine Directive	
Load/Capacity	Up to 400 kg
Maximum Speed	0.15 m/sec
Maximum travel	12 m
Maximum floor served	8
Valve	Blain
Door Type	Metron Doors
Cabin Type	Metron Cabins
Low Pit	120 mm
Low Headroom	2600 mm

* Single Phase solution is available

Advantages

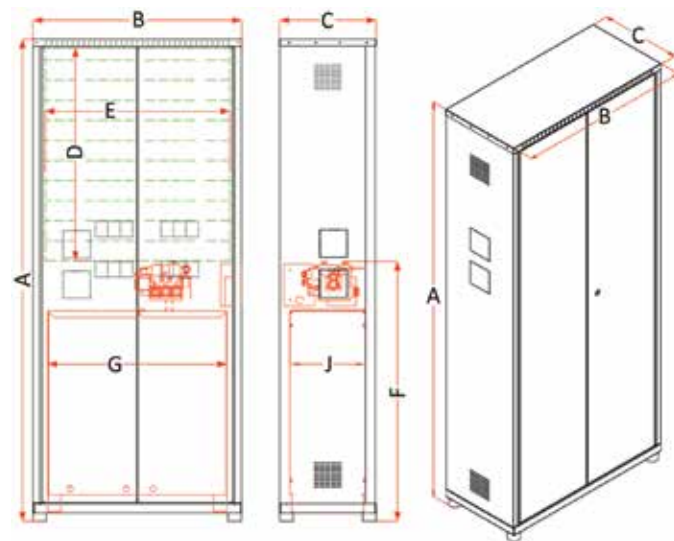
- Maximum Cabin Size
- Low acquiring and installation cost
- Single-phase power supply

Product Characteristics

- Certified according to Machine Directive
 - Hydraulic Valve: Blain
- Available with all Metron Cabins

Range of application		
Max Rated Load (kg):	300	400
Speed (m/s):	0,15 m/s	
Stops:	8	
Max. Travel (m):	9 - 12m	
Min Pit Depth (mm):	120	140
Min Headroom (mm):	2500	2650
Max Motor Power (kW):	1.5	2.2
Max Cabin Dims:	800x1300	1100x1400

Technical specifications are subject to change without notice.



Cabinet type	Cabinet Dimensions (mm)			Oil Tank Type	Motor Power (KW)	Max Work Capacity	oil capacity (L)		Oil Tank Dimensions (mm)						Control Panel Dimensions (mm)				
	A	B	C				Vmin	Vmax	F 3/4	F 1 1/2	F i250	F i500	G	J	E	D 3/4	D 1 1/2	D i250	D i500
R1	2000	780	360	UR1-100	6-11	100	40	140	1130	1200	1180	1250	669	280	726	861	791	811	711
				UR1-125	6-11	125	40	165	1280	1350	1330	1400				711	641	661	561
R2	1800	800	400	UR2-100	6-13	100	45	145	1040	1110	1090	1160	689	320	746	751	681	701	601
				UR2-125	6-13	125	45	170	1130	1200	1180	1250				661	591	611	511
R3	2100	930	470	UR3-200	6-20	200	75	275	1250	1320	1300	1370	819	390	876	841	771	791	691
				UR3-250	6-20	250	75	325	1400	1470	1450	1520				691	621	641	541
R4	2100	1200	570	UR4-300	6-29	300	130	430	1170	1240	1220	1290	1089	490	1146	921	851	871	771
				UR4-350	6-29	350	130	480	1260	1330	1310	1380				831	761	781	681
				UR4-400	6-29	400	130	530	1355	1425	1405	1475				736	665	686	586

Cabinet type	Cabinet Dimensions (mm)			Oil Tank Type	Max Motor Power (KW)	Max Pump Flow (l/min)	Max Work Capacity (L)	Oil Capacity (L)		Oil Tank Dimensions (mm)			Control Panel Dimensions (mm)	
	A	B	C					Vmin	Vmax	F BLAIN KV1P VALVE 1/2"	G	L	D	E
RS	1600	680	360	URS-65	3	25	65	35	100	980	550	269	600	600

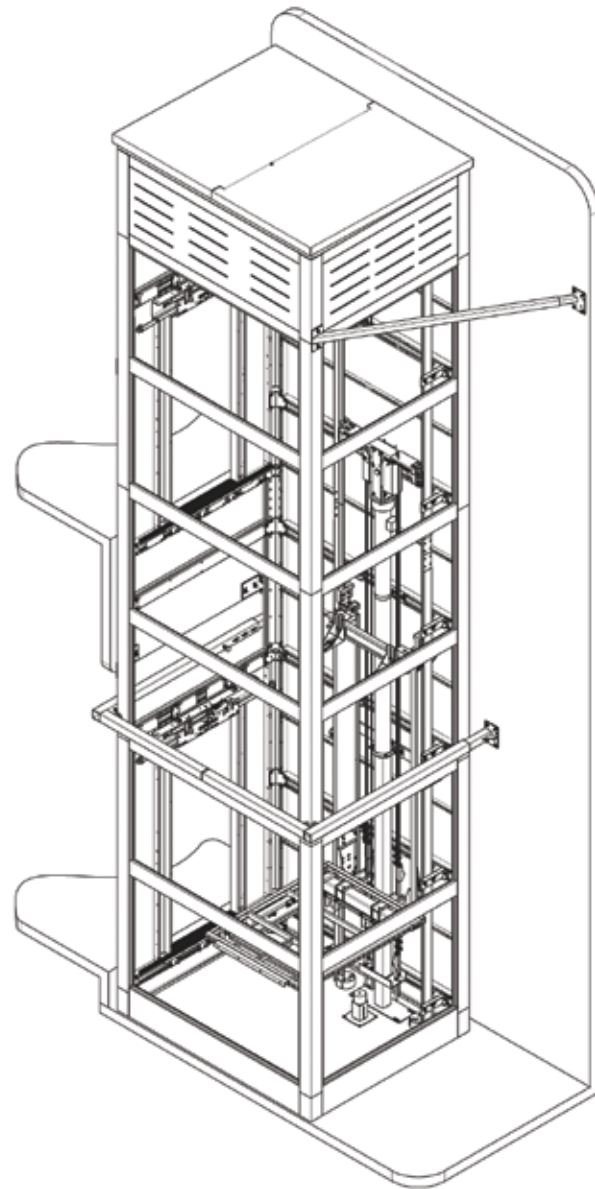
Cabinet type	Cabinet Dimensions (mm)			Oil Tank Type	Motor Power (KW)	Max Work Capacity	oil capacity (L)		Oil Tank Dimensions (mm)						Control Panel Dimensions (mm)				
	A	B	C				Vmin	Vmax	F 3/4	F 1 1/2	F i250	F i500	G	J	E	D 3/4	D 1 1/2	D i250	D i500
R1 81-20	2000	-	-	UR1-100	6-11	100	40	140	1130	1200	1180	1250	669	280	-	861	791	811	711
				UR1-125	6-11	125	40	165	1280	1350	1330	1400				711	641	661	561
R2 81-20	1800	850	440	UR2-100	6-13	100	45	145	1040	1110	1090	1160	689	320	796	751	681	701	601
				UR2-125	6-13	125	45	170	1130	1200	1180	1250				661	591	611	511
R3 81-20	2100	980	510	UR3-200	6-20	200	75	275	1250	1320	1300	1370	819	390	926	841	771	791	691
				UR3-250	6-20	250	75	325	1400	1470	1450	1520				691	621	641	541
R4 81-20	2100	1320	620	UR4-300	6-29	300	130	430	1170	1240	1220	1290	1089	490		921	851	871	771
				UR4-350	6-29	350	130	480	1260	1330	1310	1380				831	761	781	681
				UR4-400	6-29	400	130	530	1355	1425	1405	1475				736	665	686	586

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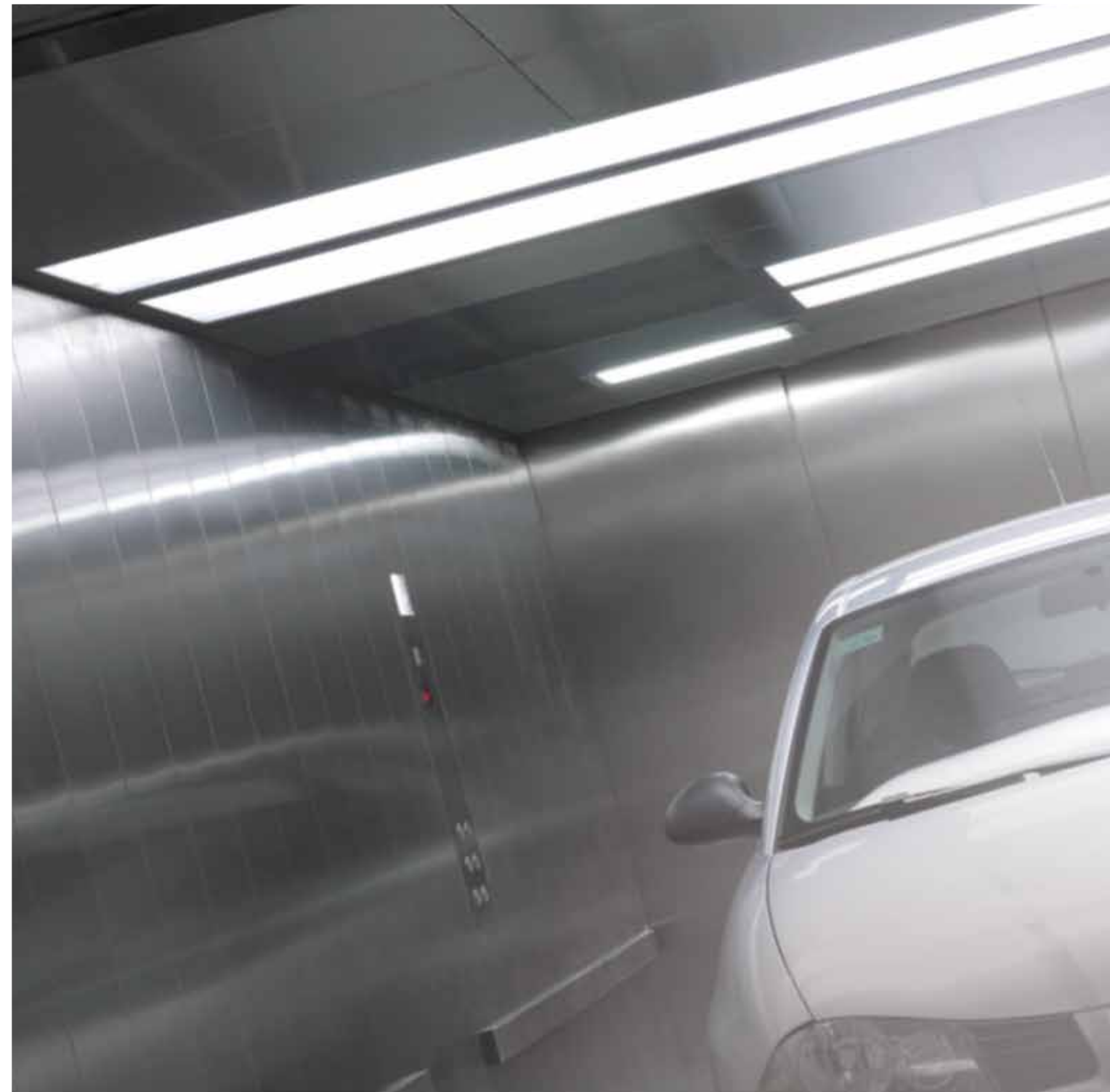


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Metallic Shaft



- Top class aesthetic result
- Powder-coating in the range of Metron Colours Collection
- Variety of external facing: metal sheet painted in Metron Colours or glass
- Full technical documentation
- Suitable for indoor and outdoor installation
- Compatible with every Metron's complete system of hydraulic and MRL traction lifts
- Suitable for elevators up to 4 stops and 8 persons
- Production capability in any width depth combination

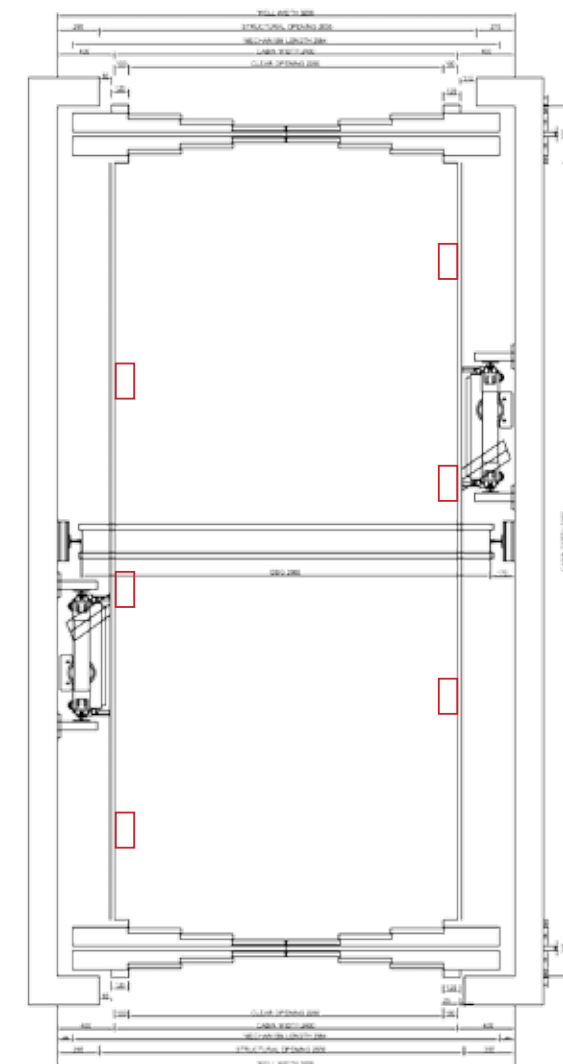
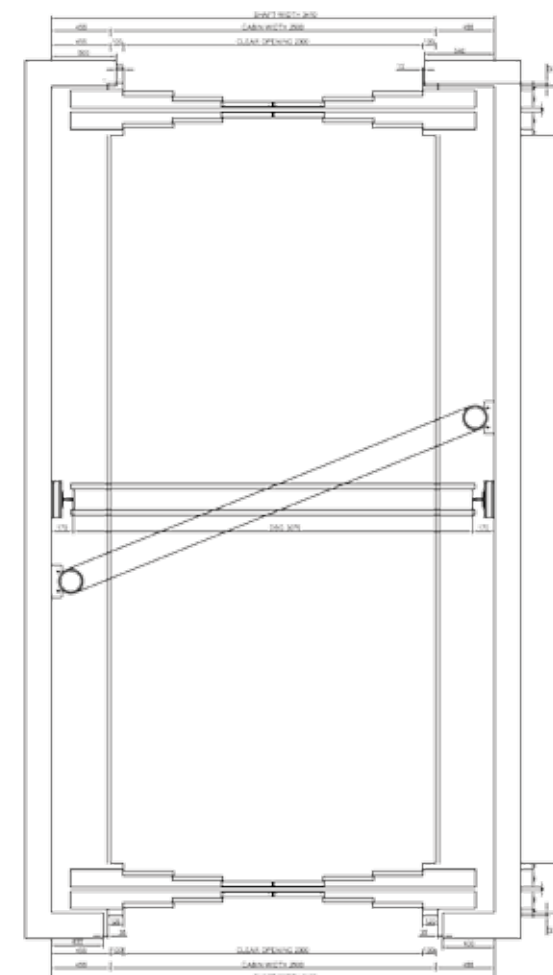
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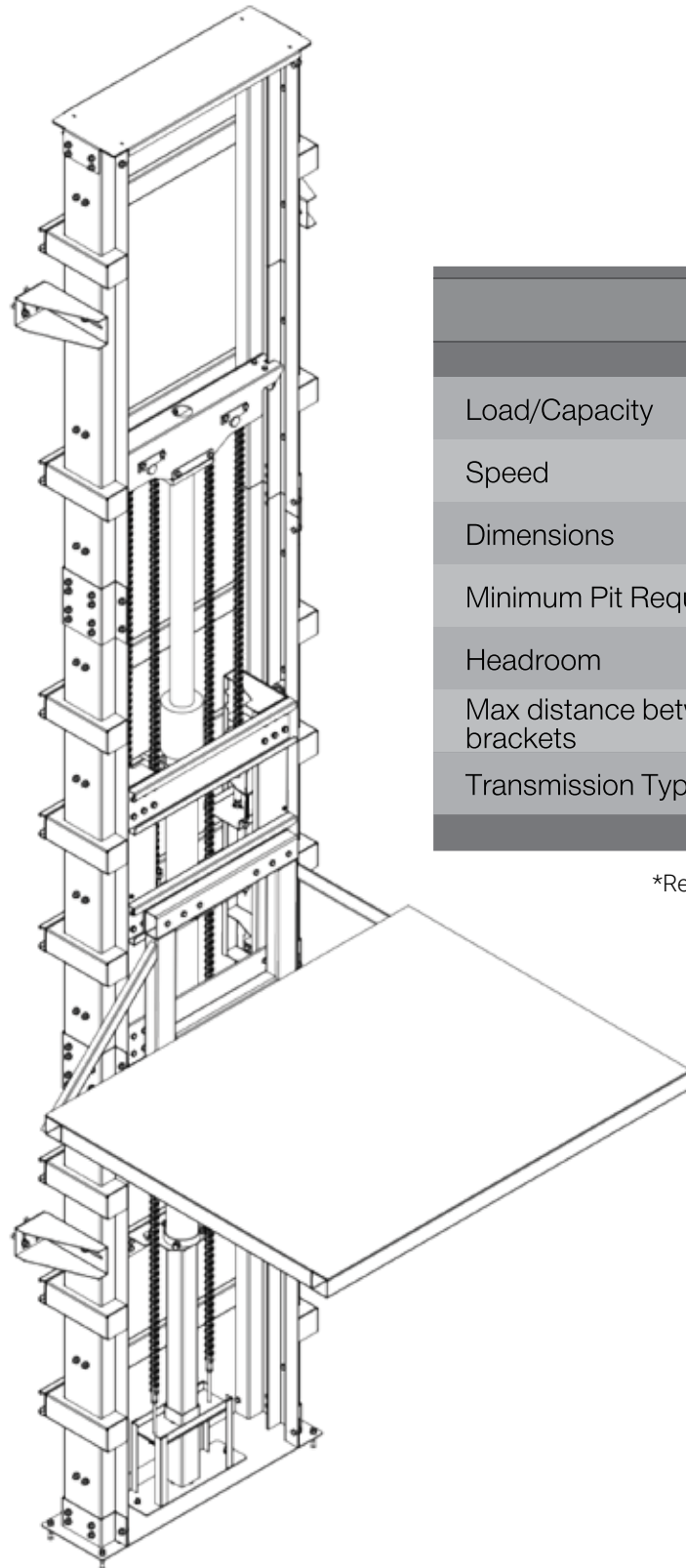
Cargo and Car Lifts

A cargo lift should be characterized by high durability and functionality, even under the most difficult circumstances. This kind of elevators are usually installed either as parking systems or in industrial facilities for heavy loads' transfer.

Specifications

Load/Capacity	Up to 5.000 kg
Maximum Speed	0,3 m/sec
Maximum travel	12 m
Maximum floor served	5
Valve	Bucher
Door Type	Metron Doors
Cabin Type	Metron Cabins



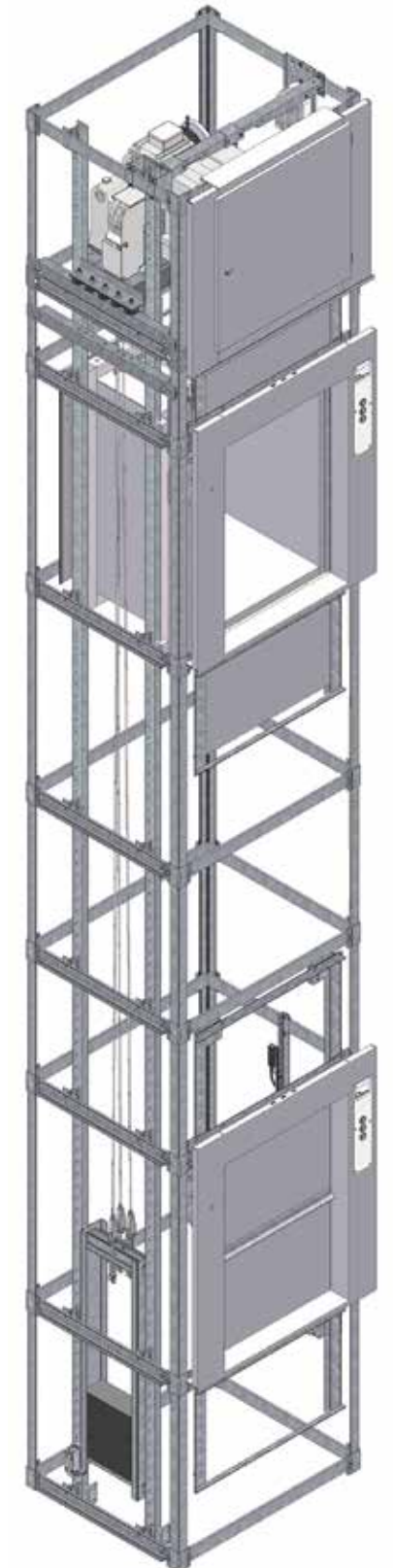


Specifications	
Load/Capacity	500 to 1000 kg
Speed	0.15 m/sec
Dimensions	1800 x 1400 (W x D mm)
Minimum Pit Required	150mm*
Headroom	1500mm
Max distance between brackets	4m*
Transmission Type	2 Chains *

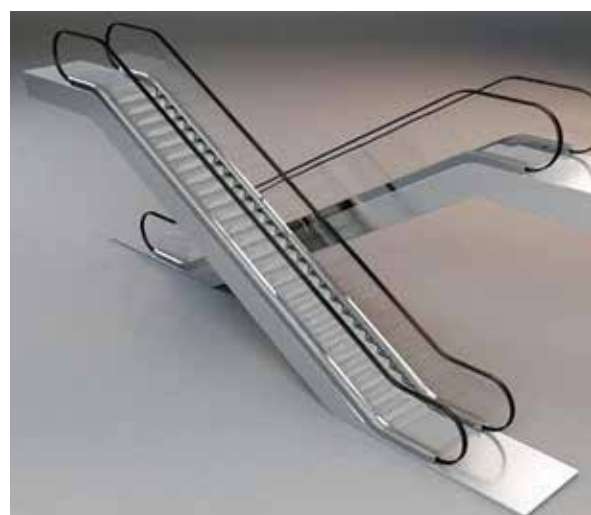
*Refers to load up to 1000 kg

Specifications	
Load/Capacity	5 to 300 kg
Type	Traction MRL
Speed	0,2 -1 m/sec
Cabin Dimensions	350x350x600 -1000x1000x1200 (WxDxH mm)
Max Stops	6
Cabin Entrances	1-3

Compliance with Machine Directive 2016/42/CE & EN 81-3



Metron responding to the increasing needs of its customers, has developed a complete series of escalators and moving walks. Our range can meet the requirements of the most demanding project around the world both in a technical and in an aesthetic way.



Metron | Cabins
Engineering for Life

City Life | Life Desire | Pure Life | Life Shine | Life Light

City Life

Cabins from City Life series constitute an ideal solution for those who want to combine materials and colours at the best possible value. Every City Life cabin is a robust structure, which ensures durability over time, while it is available in every colour combination from Metron Colours Collection.

Life Desire

Life Desire cabins are the “diamonds” of Metron cabins series. Absolutely exceptional and absolutely characteristic cabins that put into practice Metron’s declaration from the first moment it entered the market in 1995. Cabins that make the surrounding environment more beautiful, while at the same time they are completely affordable solutions.

Pure Life

Metron series of panoramic cabins Pure Life catches the eye wherever it is installed. Cabins of high aesthetics and durability that travel their passengers through space.

Life Shine

Metron cabins from the Life Shine series are here to change your mind about inox cabins. Enough with “cold” cabins that are nothing more than metallic boxes moving up and down. A Metron Life Shine cabin is characterized by distinctive aesthetics and incomparable quality.

Life Light

The Life Light cabin series is the result of combining two principal materials of a lift cabin, light and colour. We wanted to use these two elements in a radically different way compared to the current usage in the lift sector.













Metron
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References

Corporate

Toulon, Mayol Stadium

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France



Panoramic Powder Coated Machine Roomless (MRL) Lift





France



Panoramic Machine Roomless (MRL) Lift



England



2 Machine Roomless (MRL) Lifts





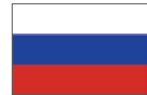
Norway



Machine Roomless (MRL) Lift



Russia



4 Machine Roomless (MRL) Lifts





U.A.E.



Hydraulic Panoramic Lift



U.A.E.



Double Entrance Hydraulic Lift





Saudi Arabia



2 Machine Roomless (MR) Lifts



Lebanon



3 Machine Roomless (MRL) Lifts





Kazakhstan



240 Hydraulic Lifts



Venezuela



Hydraulic Lift





Nigeria



Machine Roomless (MRL) Lifts



Hungary



Hydraulic Panoramic Lift





Poland



External Panoramic Machine Roomless (MRL) Lift



Serbia



Hydraulic Cargo Lift





Bangladesh



Machine Roomless (MR) Lift



Malta



Hydraulic Panoramic Lift





Cyprus



Residential Machine Roomless (MRL)



Greece



External Hydraulic Stainless Steel Lift





Greece



Hydraulic Panoramic Lift



Russia



81 Machine Roomless MRL Lifts



50 countries
worldwide



Metron | Engineering for Life

www.metronsa.eu

Since the beginning Metron paid particular attention to the exports, initially in Balkan and European countries and steadily in Russia, the Arabian Gulf, Africa and Latin America. What differentiated Metron among the competition and still is the main lever for further

development, is the reliability in every aspect. In terms of company, in terms of people and product. Today, Metron due to the dedication and perpetual effort of its employees around the world is present on 50 countries, in 4 different continents.



However, we do not mention just a number, what really matters the most is the trust and relation built with our partners in these countries. These honest and long-term collaborations secure both Metron's competitiveness and our partners' globally.





Corporate

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