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- 9- Advantages of EKA compared to global elevator companies



About Us







EKA Elevator Company is subsidiary of «Emlak Konut A.Ş.» (Real Estate Investments Company).



«Emlak Konut A.Ş.» is subsidiary of Environment, Urbanization and Climate Change Ministry. (subsidiary of «Housing Administration of the Republic of Turkiye» (TOKI))



HO and Factory, total number of employees are 300 as of Feb 2025.



Head Office: Istanbul Financial Center / Istanbul



Factory and Test Tower: Konya



Company History and Milestones

- Official and approved **R&D** Center
- Total 30 employees in the R&D Center.
- EKASI & EKAS2 Designs completion



Center







- February 2021
- Head Office: Istanbul
- Factory: Konya

- Completion of the certification processes in the test tower, August 2022



Test and Commissioning

Production Start: August

2022



Factory

Setup

- Setup of machineries
- Factory and test tower construction completion, May 2022



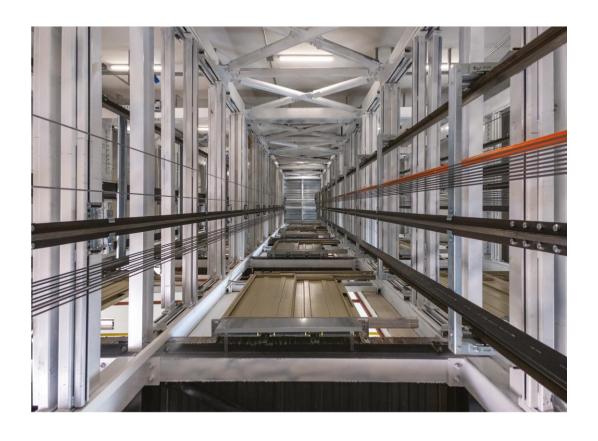


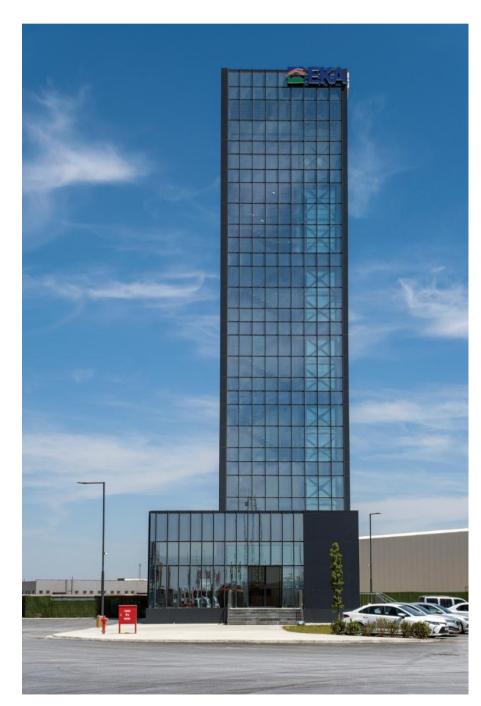




Test Tower

Test Tower:
4 elevator shafts
42m height







We produce our products, which we design with innovative touches at every stage using **Industry 4.0** technologies, with safety, comfort and aesthetic values.









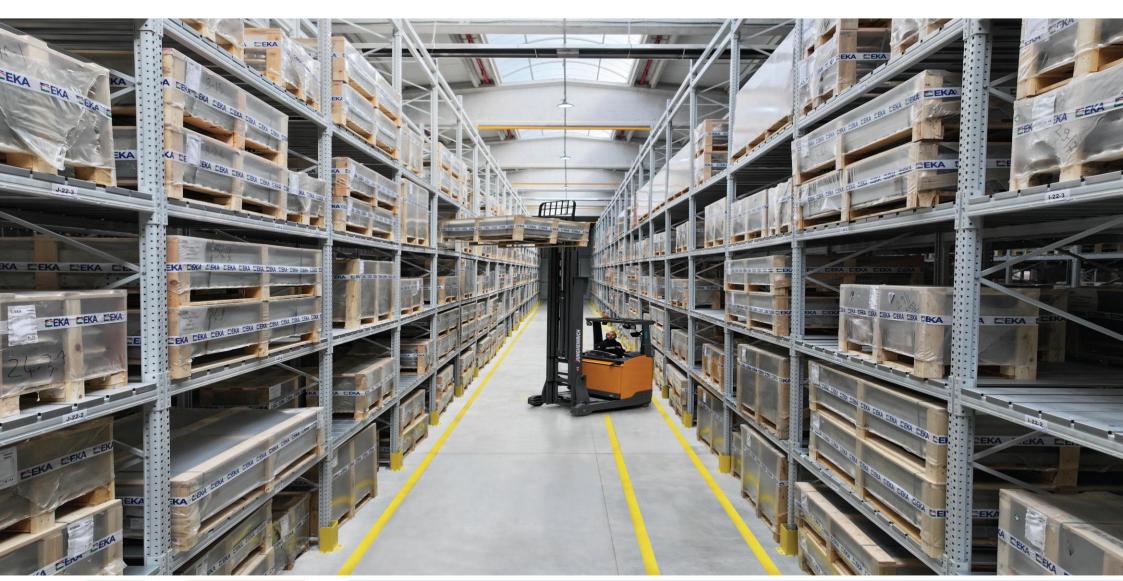


Salvagnini – Full Automatic Production Line





12 Lines, 2.500m2 Store Area





Sustainability

We produce our own energy with the 2 MW Solar Power Plant built on a roof area of 15 thousand sqm in our Production Facility, and we aim to contribute to our sector and create awareness with our green production application examples.





Zero Waste Certificate





T.C. İSTANBUL VALİLİĞİ ÇEVRE,ŞEHİRCİLİK VE İKLİM DEĞİŞİKLİĞİ İL MÜDÜRLÜĞÜ

SIFIR ATIK BELGESİ

(Temel Seviye)

Belge No: TS/34/C/20/1053

Tarih: 28/02/2023

Adı: EMLAK KONUT ASANSÖR SİSTEMLERİ SAN. ve TİC. A.Ş. İSTANBUL MERKEZ OFİS Adresi: FİNANSKENT Mahallesi, FİNANS CADDE, No: 5 A-195, ÜMRANİYE, İSTANBUL, TÜRKİYE

Vergi No:3341061889 Türü: Bina/Yerleşke

12/07/2019 tarihli ve 30829 sayılı Resmi Gazete'de yayımlanarak yürürlüğe giren Sıfır Atık Yönetmeliği'nce Sıfır Atık Yönetim Sistemi'ni kurarak Sıfır Atık Belgesi'ni almaya hak kazanmıştır.

Hacı Mehmet GÜNER Çevre Şehircilik ve İklim Değişikliği İl Müdürü

E-İMZALIDIR

Belge Son Geçerlilik Tarihi: 28/02/2028

Bu belge, güvenli elektronik imza ile imzalanmıştır.



Zero Waste







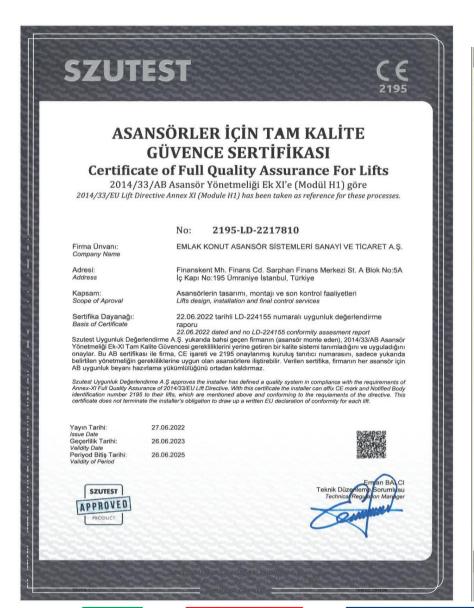
Zero Waste





Certificates

Module H



Official R&D Center Certificate





Certificates

Type Certificates





Certificates



SERTIFIKA

ISO 9001 : 2015'e göre

vönetim sistemi

TÜV Teknik Kontrol ve Belgelendirme A.Ş. sertifikalandırma kuruluşu, ISO/IEC 17921-1:2015 uyarınca tetkik, değerlendirme ve sertifikalandırma kararının sonucu olarak müsteri



Emlak Konut Asansör Sistemleri San. ve Tic. A.Ş. Finanskent Mahallesi, Finans Caddesi, Sarphan Finanspark Plaza, No: 5/A. Kat: 7. Ümranive. 34760 İstanbul. Türkiye

ISO 9001 : 2015'in gereksinimlerine uygun bir yönetim sistemi işlettiğini ve sertifikanın 3 yıllık geçerlilik süresi içerisinde uygunluk açısından gözetlendiğini onaylarız.

Geçerlilik alanı

Asansör sistemleri için mühendislik hizmetleri ve tasarımı

Sertifika Tescil No 1001922

Tetki Raporu No TR 2098

nik Kontrol ve Belgelendirme A.S.

svon Merkezi

below orgulaması TBDS tarafından üretilen kare kodun mobil cihazlarla okutulması veya TBDS Belge no ile https://tbds.turkak.org.tr adresinden vapılabilir



3067

TÛV Teknik Kontrol ve Belgelendirme A. Ş. Sehit Mehmet Fatih Öngül Sokak, No 5, Kat 4, Odak Plaza, Kozyatağı, Kadıköy, TR-34742 Istanbul www.tuv-turkey.com tuv-nord@tuv-turkey.com

2022-05-27 tarihinden

Istanbul, 2022-05-27

lk sertifikasyon tarihi 2022

2025-05-26 tarihine kadar geçerlidir

SERTIFIKA

ISO 14001: 2015'e göre

vönetim sistemi

TÜV Teknik Kontrol ve Belgelendirme A.S. sertifikalandırma kurulusu, ISO/IEC 17021-1:2015 uyarınca tetkik, değerlendirme ve sertifikalandırma kararının sonucu olarak müşteri



Emlak Konut Asansör Sistemleri San. ve Tic. A.S. Finanskent Mahallesi, Finans Caddesi, Sarphan Finanspark Plaza, No: 5/A, Kat: 7, Ümranive. 34760 İstanbul,

Türkiye

ISO 14001 ; 2015'in gereksinimlerine uygun bir yönetim sistemi işlettiğini ve sertifikanın 3 yıllık geçerlilik süresi içerisinde uygunluk acısından gözetlendiğini onaylarız.

Geçerlilik alanı

F-025-1-R04

Asansör sistemleri için mühendislik hizmetleri ve tasarımı

Sertifika Tescil No 2001922 Tetkik Rangru No TR 2098

2022-05-27 tarihinden 2025-05-26 tarihine kadar gecerlidir llk sertifikasyon tarihi 2022

nik Kontrol ve Belgelendirme A.S. ertifika von Merkezi

Istanbul, 2022-05-27

Beloe sorgulaması TBDS tarafından üretilen kare kodun mobil cihazlarla okululması veya TBDS Belge no ile https://tbds.turkak.org.tr adresinden yapılabilir,



TÜV Teknik Kontrol ve Belgelendirme A. Ş. Şehit Mehmet Fatih Öngül Sokak, No 5, Kat 4, Odak Plaza, Kozvatağı, Kadıköv, TR-34742 Istanbul www.tuv-turkey.com tuv-nord@tuv-turkey.com

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SERTIFIKA

ISO 45001: 2018'e göre

vönetim sistemi

TÜV NORD CERT GmbH sertifikalandırma kuruluşu, ISO/IEC 17021-1:2015 uyarınca tetkik, dečerlendirme ve sertifikalandırma kararının sonucu olarak müsteri



Emlak Konut Asansör Sistemleri San. ve Tic. A.Ş. Finanskent Mahallesi, Finans Caddesi, Sarphan Finanspark Plaza, No: 5/A. Kat: 7. Umranive. 34760 Istanbul. Türkiye

ISO 45001 : 2018'in gereksinimlerine uygun bir vönetim sistemi islettiğini ve sertifikanın 3 yıllık gecerlilik süresi içerisinde uygunluk açısından gözetlendiğini onaylarız.

Gecerlilik alanı

Asansör sistemleri için mühendislik hizmetleri ve tasarımı

Sertifika Tescil No 44 126 22530024 poru No TR 2098

DRD CERT GmbH

2022-05-27 tarihinden 2025-05-26 tarihine kadar necedidir. llk sertifikasyon tarihi 2022

Istanbul. 2022-05-27

TÜV NORD CERT GmbH

Am TÜV 1

45307 Essen

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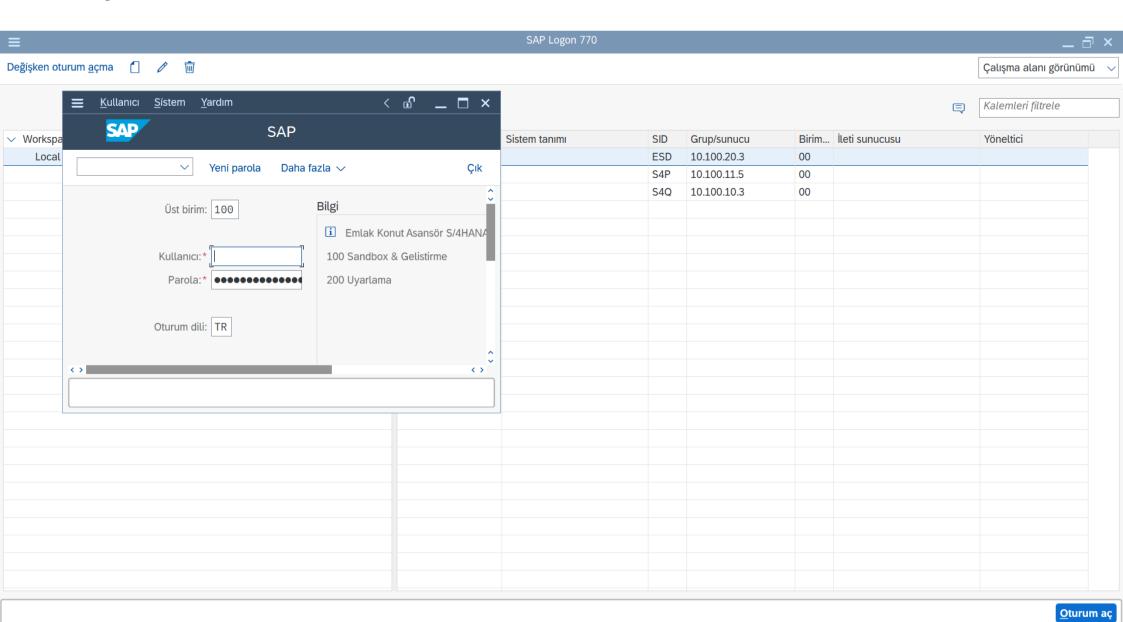
www.tuev-nord-cert.de

F-025-1-R05





SAP System



Q Ara



EN 81 - 20 Code Compliance

EN 81-20 Safety rules for the construction and installation of lifts. Lifts for the transport of persons and goods Passenger and goods passenger lifts

EN 81-28 Safety rules for the construction and installation of lifts. Lifts for the transport of persons and goods Remote alarm on passenger and goods passenger lifts

EN 81-50 Safety rules for the construction and installation of lifts. Examinations and tests Design rules, calculations, examinations and tests of lift components

EN 81-58 Safety rules for the construction and installation of lifts. Examination and tests Landing doors fire resistance test

EN 81-70 Safety rules for the construction and installation of lifts - Particular applications for passenger and goods passenger lift - Part 70: Accessibility to lifts for persons including persons with disability

EN 81-71 Safety rules for the construction and installation of lifts. Particular applications to passenger lifts and goods passenger lifts Vandal resistant lifts. (optional)

EN 81-72 Safety rules for the construction and installation of lifts. Particular applications for passenger and goods passenger lifts Firefighters lifts

EN 81-73 Safety rules for the construction and installation of lifts. Particular applications for passenger and goods passenger lifts Behaviour of lifts in the event of fire

EN 81-77 Safety rules for the construction and installations of lifts. Particular applications for passenger and goods passenger lifts Lifts subject to seismic conditions. (optional)

International Norms

ISO 25745-2 Energy calculation and classification for lifts VDI-2566-2:2004 Acoustic design for lift systems without machine room (MRL)

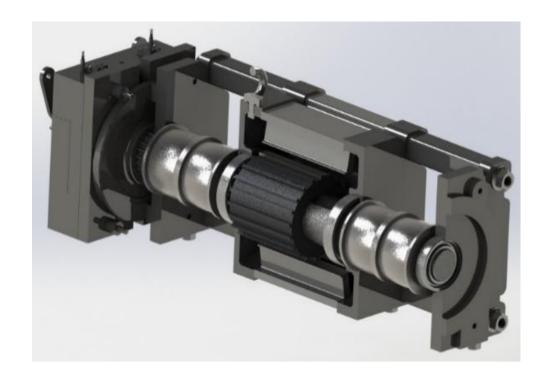
ISO 18738:2012 Measurement of ride quality
ISO 2631-1:2008 Mechanical vibration and shock. Evaluation of human exposure to whole-body vibration

ISO 8041:2005 C1:2007 Human response to vibration – measuring instrumentation



Gearless Elevator Machine (With Belt)

Special type belt rope gearless machine design project; It is carried out by EKA R&D team and professors and research assistants from various universities.





Gearless Elevator Machine (With Rope)

METE-H Series is a new generation internal rotor structure PM gearless synchronous elevator drive machine developed by EKA in 2024.







Voltage: 380 V

Roping: 2:1

IP Rate: IP54

Isolation Class: F

Performance: 240 hour / motion

Working cycle: **S5 - %60**

Encoder: Heidenhain ECN 1313

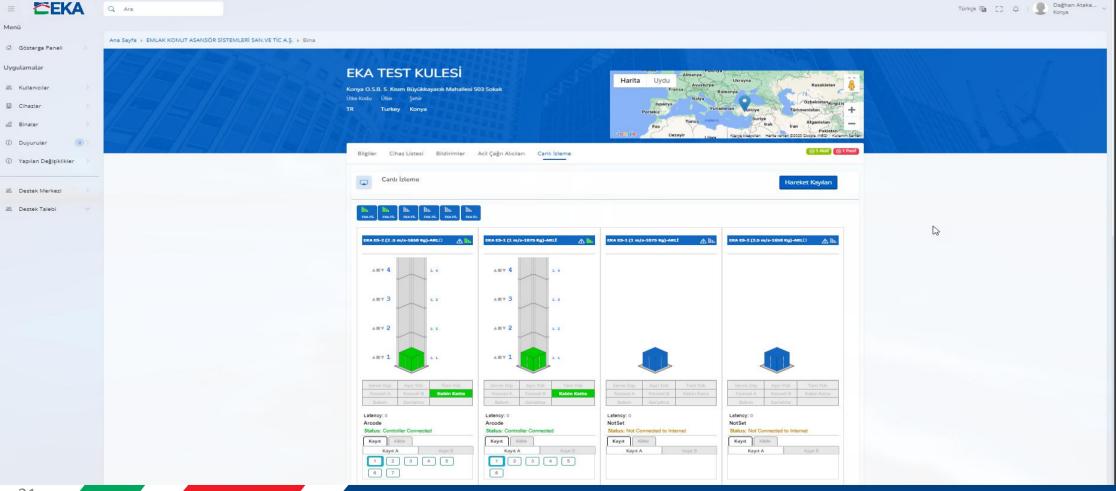
Cables: NHXMH LIHCH FE 180



IoT (Internet of Things)

We provide full-time monitoring of elevators over the cloud with a platform defined on behalf of the customer. Through this platform, you can see real-time information about elevators, make limited interventions, and access system records.

With the Scada infrastructure that supports TCP/IP and ModBus communication protocols, we make the communication of the building facility with the elevator uninterrupted.





Less O.H. & P.D.

Traction with belt rope





Products



















Elevator Type	MRL (Machine Roomless)					
Capacity (kg)	450 / / 1075					
Number of Persons	6 / / 14					
Speed (m/s)	1.0 / 1.6 / 1.75					
Travel Height (1,0 m/s)	≤ 45					
(1,6 - 1,75 m/s)	≤75					
(2,5 m/s)	4					
Max. Number of Stops	25					
Number of Entries	1 / 2 (180°)					
Suspension	Self Support (1:2)					
Cabin Height (CIH mm)	2200 / / 2400					
Door Height (DH m)	2000 / / 2300					
Door Width (DW mm)	700 / / 1100					
Decoration Types	Comfort - Elegance - Premium					

3,5 m/s											
3 m/s											
2,5 m/s											
2 m/s											
1,75 m/s											
1,6 m/s											
1 m/s											
0,63 m/s											
Speed/ Capacity	450 Kg	630 Kg	825 Kg	1000 Kg	1075 Kg	1150 Kg	1275 Kg	1350 Kg	1600 Kg	2000 Kg	2500 Kg





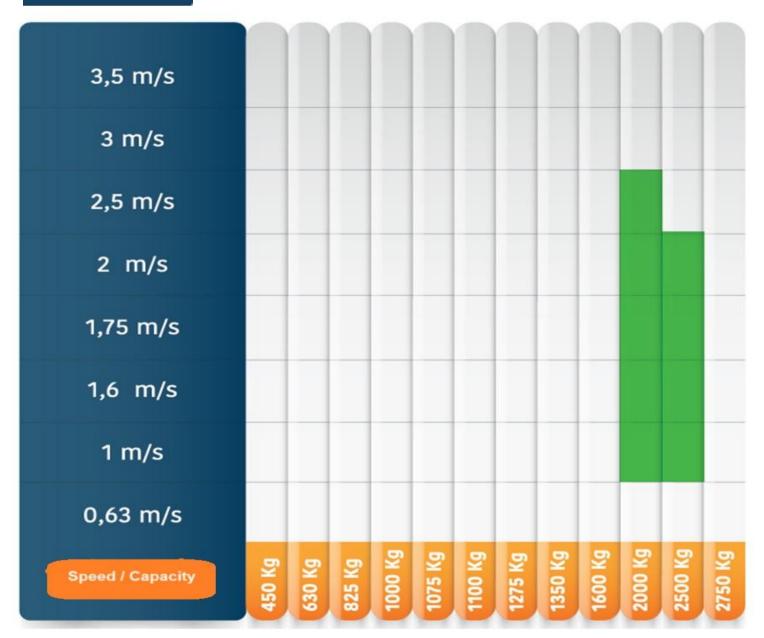
Elevator Type	MRL (Machine Roomless)					
Capacity (kg)	825 / / 1600					
Number of Persons	13 / / 21					
Speed (m/s)	1.0 / 1.6 / 1.75 / 2 / 2.5					
Travel Height (1,0 m/s)	≤ 45					
(1,6 - 1,75 m/s)	≤ 75					
(2,5 m/s)	≤ 120					
Max. Number of Stops	40					
Number of Entries	1 / 2 (180°)					
Suspension	Frame Suspension (1:2)					
Cabin Height (CIH mm)	2200 / / 2600					
Door Height (DH m)	2000 / / 2300					
Door Width (DW mm)	900 / / 1300					
Decoration Types	Comfort - Elegance - Premium					

3,5 m/s										
3 m/s										
2,5 m/s										
2 m/s										
1,75 m/s										
1,6 m/s										
1 m/s										
0,63 m/s										
Speed/ Capacity	450 Kg	630 Kg	825 Kg	1000 Kg	1150 Kg	1275 Kg	1350 Kg	1600 Kg	2000 Kg	2500 Kg





EKA 52 L







Packing

All the Kits of the Elevator are being packed as per European standards.













Quality Control

All the parts can be followed with barcod systems.

Barcod has project name, product line, materials process details, responsible engineer, etc.







Showroom

Showroom:

Area: 620 m2

10 + 2 Different cabin designs









Scan & Explore





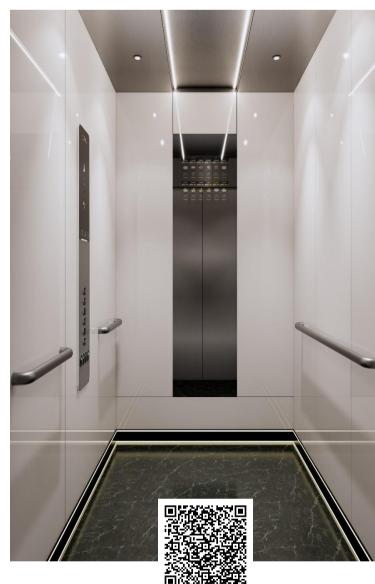






































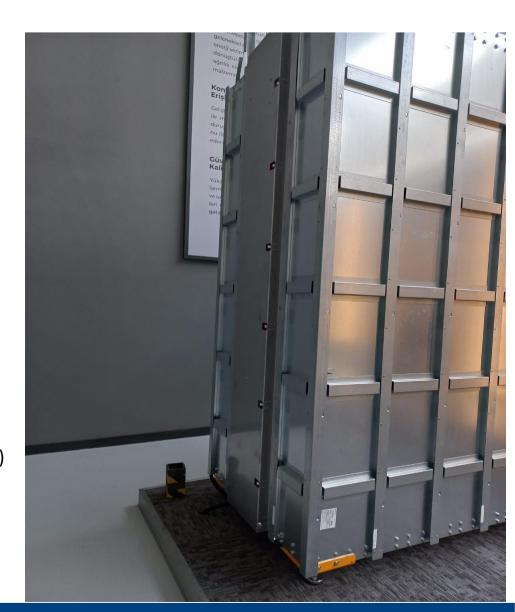
Why EKA Elevator?

- Have an own official certified R&D Center (not only a department)
- All the systems are firstly tested and then put on the market,
- Have our own designed traction machine,
- We take care of renewable energies and zero waste policy,
- Many optional features at the elevator market are standard in our systems.



Why EKA Elevator?

- Have **«EU Type Certificates»** of all elevators
- **Full-time monitoring of elevators** (computer, cabling, etc. by client)
- EMC (Electromagnetic Compatibility)
- Alternative floor (in case of fire)
- Stand-by mode for energy saving
- EN 81-70 compliance
- Double layer car walls and doors
 (1.2mm galvanized plate + 0.6mm stainless steel)
- Automatic rescue operation (with battery),
- Cabin lighting automatic on-off (in case of stand by mode)
- **10" TFT Screen on the COP** (can be operated through WiFi)
- The car walls are supported both vertically and horizontally to avoid flexing and to be more rigid.





Advantages of EKA compared to global elevator companies

- 1- Ability to produce faster solutions, (Our own R&D Center, 28 engineers)
- 2- Ability to produce elevator in a shorter time, (8 weeks, based on the specification)
- 3- Faster spare parts supply (We have warehouse and stocked parts. Don't have to wait for parts from abroad)
- 4- More flexible design and solutions, (Our own R&D Centers at the Head Office and Factory)
- 5- Taking easy decision and fast action (We are the head office)
- 6- Being able to offer the best and most economical solutions with the best price / performance ratio (We don't expect brand price difference)
- 7- Financially very strong (A financial decision is not expected from abroad, it can be taken directly from here)
- 8- Needing more to be successful (They are not keen to be successful for every each project)



Price Differences

- 1- High productive traction machine (long working life without problem)
- 2- Plug and play electrical system (saving from installation and material)
- 3- Machine roomless instead of machine room elevator (saving construction costs and electrical consumption)
- 4- Strong walls and doors (thickness is 1.2 + 0.6 = 1.8mm)
- 5- Suspansion system (High travel comfort and satisfaction)
- 6- Packing (Protecting all the materials against water, crush, break, etc)
- 7- 10" TFT Screen on the COP (+ satisfaction of passengers)
- 8- Monitoring system (Monitoring elevators where ever internet is available)
- 9- Preferred well known brake, rope, buffer, rail brands (long working life without problem) (Wittur, Acla, Kiswire, Drako, Savera, etc.)



THANK YOU



Headquarter

EMLAK KONUT ASANSÖR SİSTEMLERİ SAN. VE TİC. A.Ş.

Finanskent Mahallesi Finans Caddesi Sarphan Finanspark Plaza No: 5/A Kat: 7 Ümraniye / İSTANBUL





Production Facility & Test Tower

EMLAK KONUT ASANSÖR SİSTEMLERİ SAN. VE TİC. A.Ş.

Konya O.S.B. 5. Kısım Büyükkayacık Mahallesi 503 Sokak No: 11 Selçuklu / KONYA