HYUNDAI ELEVATOR

COMPANY INTRODUCTION

MOBILITY TO POSSIBILITY.



INDEX

1. Introduction
2. Technology
3. Product
4. Global Reference
5. Outro

MOBILITY TO
POSSIBILITY.



1

Introduction



1. Introduction

2. Technology

3. Product

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Why Hyundai Elevator?

1. Global Brand Power

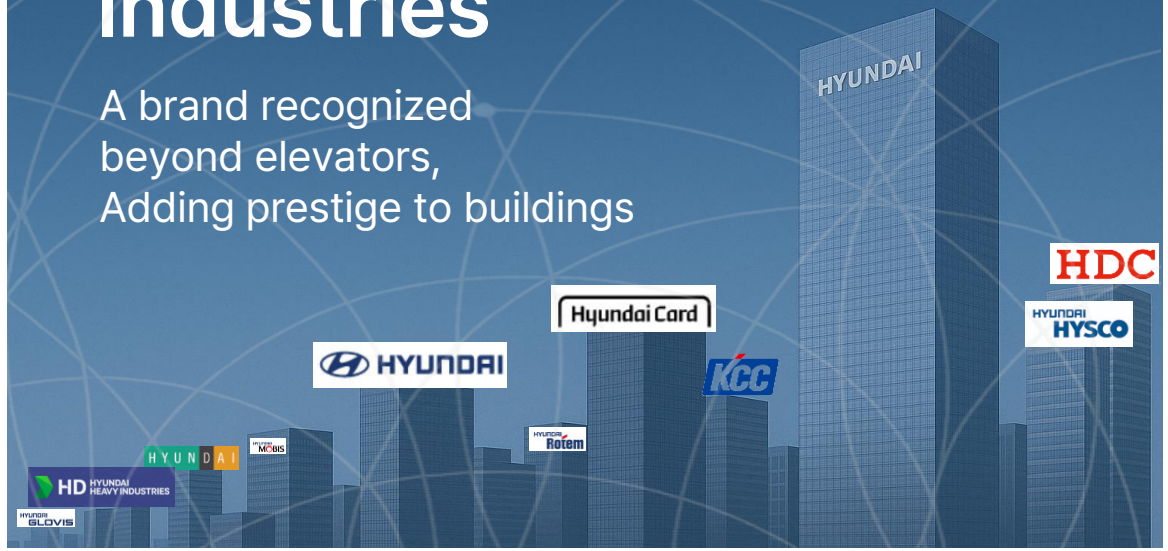
Global Recognition

'**HYUNDAI**' ranked 36th
among the world's most valuable brands.

HYUNDAI	**36th**	**Best Global Brand**
MITSUBISHI	**78th**	Best Japan Brand
OTIS	Outside the Top 100	
TK	Outside the Top 100	

Trusted Across Industries

A brand recognized
beyond elevators,
Adding prestige to buildings

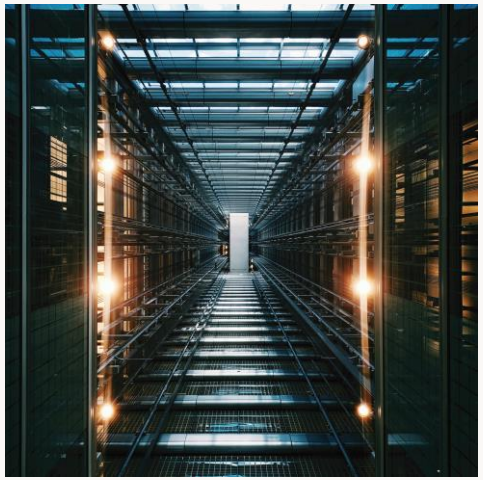


Why Hyundai Elevator?

2. Smart Technology & AI-driven Innovation

World's Fastest Elevator

1,260 meters per hour
with a new carbon fiber belt



Seamless Robot Integration

Robot-Synced Control System
for automated collaboration



MIRI Smart Maintenance

AI-powered real-time diagnostics
& predictive maintenance



Why Hyundai Elevator?

3. Comprehensive Technical Support

Development Driven by Headquarters R&D

Proactive response to regional demands through R&D initiatives



Online Training & Engineer Dispatch

Ensuring smooth operation through on-demand training and engineer dispatch



Round-the-clock Technical Support

Available worldwide, anytime



HYUNDAI ELEVATOR at a glance

No.1 in the Korea
Elevator Field for

18

Years in a row

Global Networks linked
By branch offices in

68

Countries

An achievement of state
Of the art technology

21 m/sec

Ultra-High Speed
Elevator traveling at

Annual elevator production
Capacity of 2024

55,000

Years in a row

Manufacturing Facilities (Korea)

- **Land Area** : 173,097m²
- **Building Area** : 127,215m²
- **Productivity** : 25,000 units/year
- **Test tower** : 235 meters
- **Business Lines** :
  - Elevators
  - Escalators and Moving walks
  - Parking System



Manufacturing Facilities (Korea)

Informational video



https://youtu.be/-R6ltuo8iQo

Manufacturing Facilities (China)

- **Land Area** : 120,000m²
- **Building Area** : 100,000m²
- **Productivity** : 30,000 units/year
- **Test tower** : 185 meters
- **Business Lines** :
  - Elevators
  - Escalators and Moving walks



Global Network





Overseas Corporations (6)	China, Vietnam, Turkey, Malaysia, Indonesia, Brazil
Overseas Agencies (62)	Asia (14), Middle East (9), Africa (10), Americas (18), Europe (11)

Company commercial ad

2024 ad



https://youtu.be/hZmzWWs6BfM

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Technology

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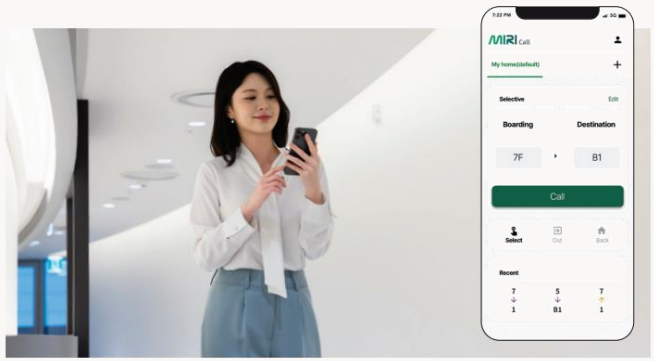
MIRI

MIRI enhances mobility by enabling seamless, connected, and safer elevator use.

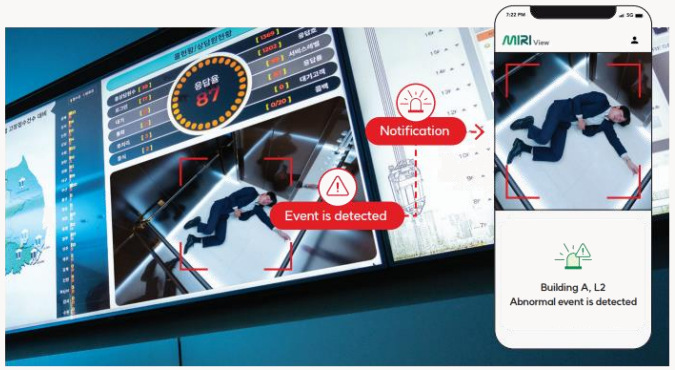
MIRI Call

- Call elevators via app
- Voice control with MIRI API



MIRI View

- AI monitors incidents and sends alerts
- Live video and support via app



New Vertical Mobility

- MIRI links elevators to smart services
- Cloud APIs enable integration



MIRI

Informational video

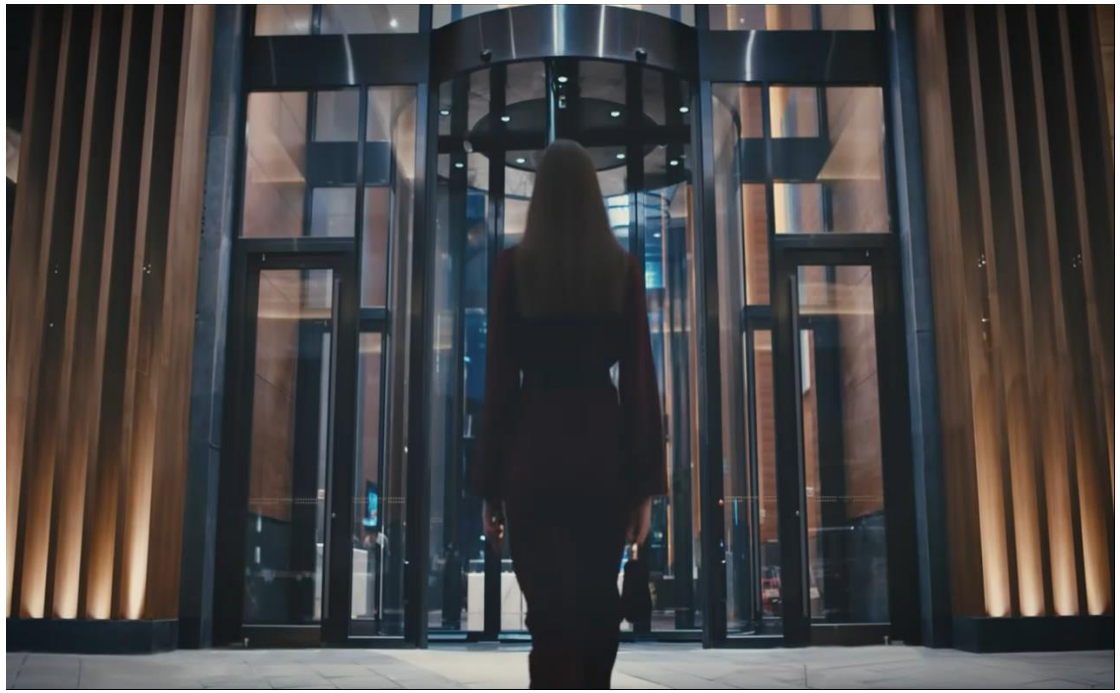


https://youtu.be/3aNkIR-s90E

Open API

Remote Calling System

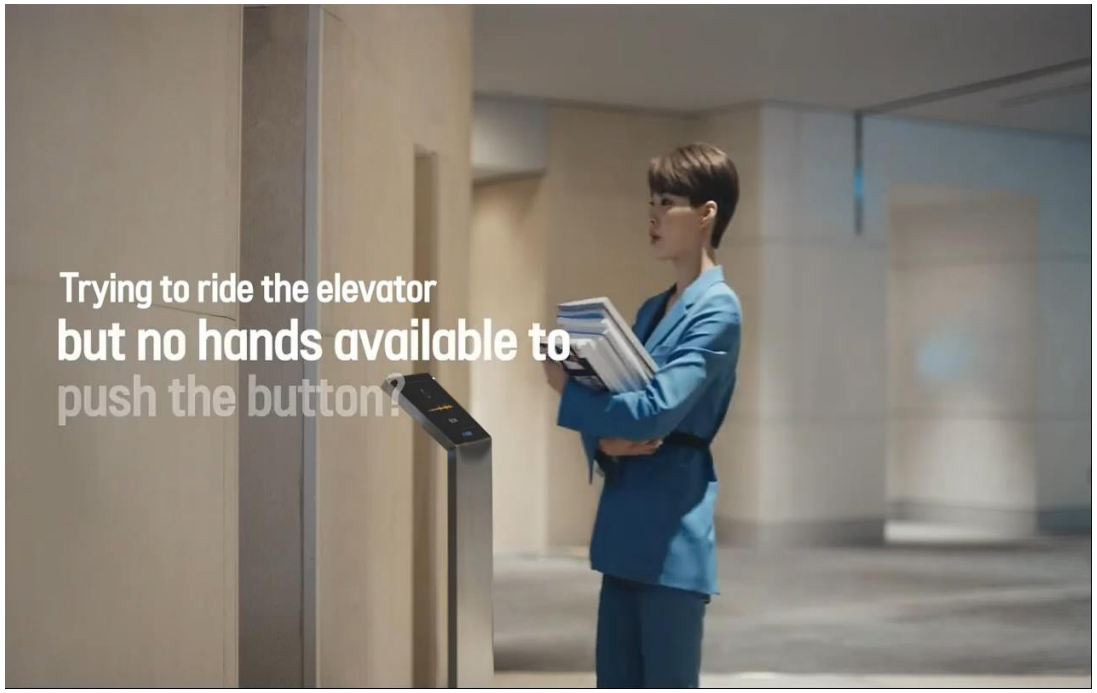
https://youtu.be/Hv7rsj9A0Q8



- Using a smartphone app, passengers can easily call an elevator and check its status.

Voice Recognition System

https://youtu.be/HHBeiSjrZCY



- A voice recognition system is another way to call an elevator.

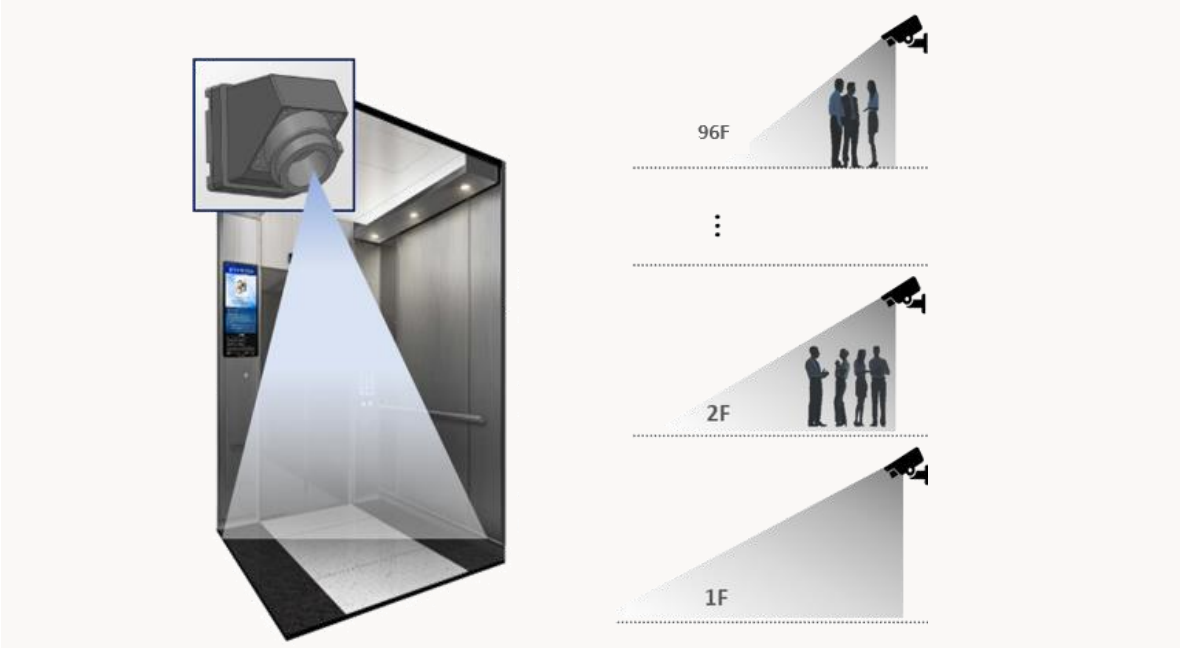
IoT

Facial Recognition System



- Automatically selects floors for registered residents.
- It enhances security and reduces waiting times.

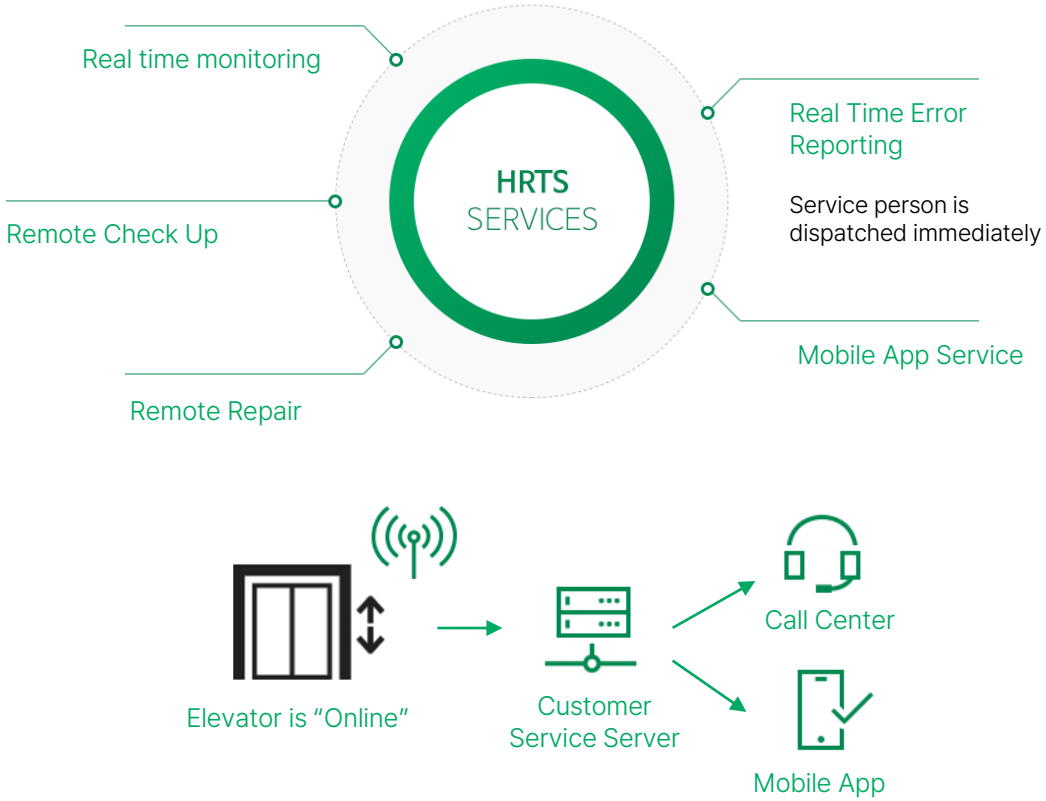
AI Vision

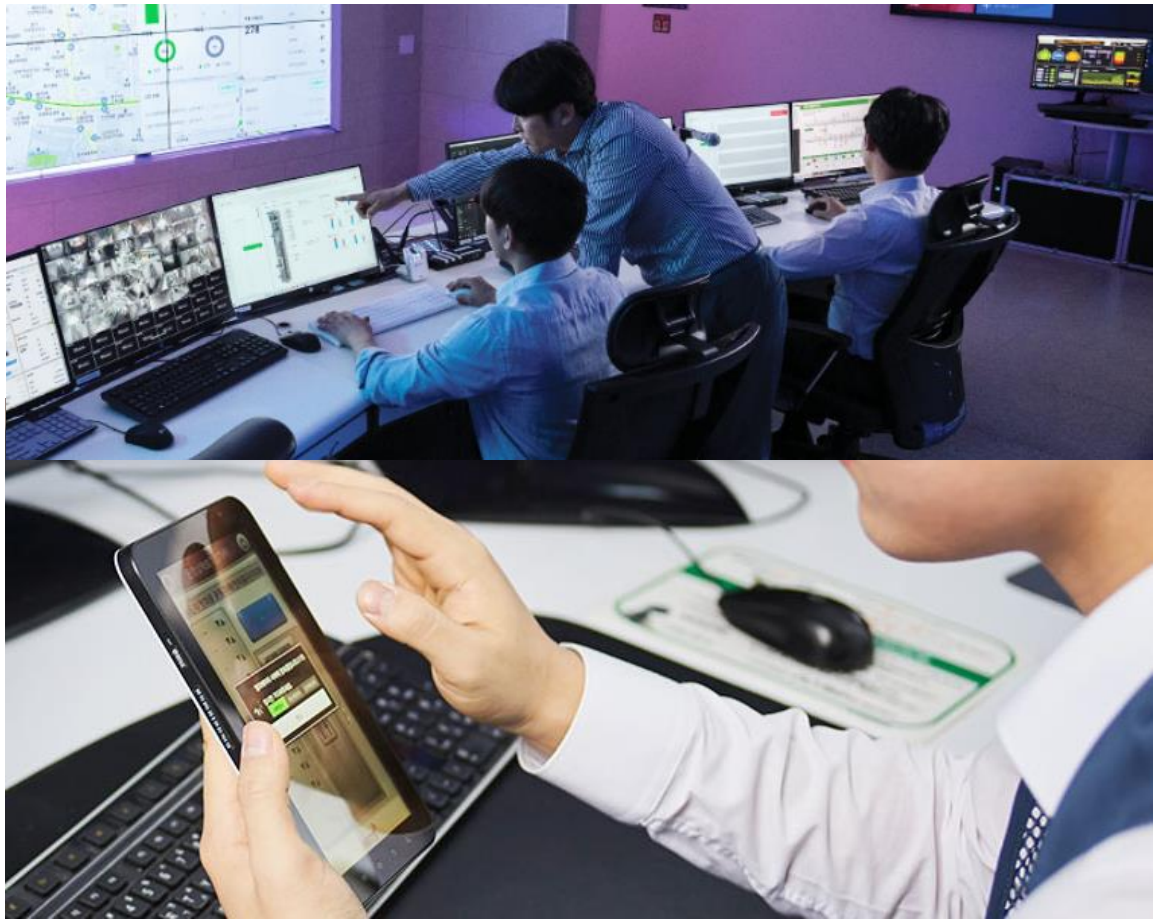


- AI cameras analyze in real time for optimal automation.
- Offers smart access, detection, and pet care functions.

HCCC (HYUNDAI Customer Care Center)

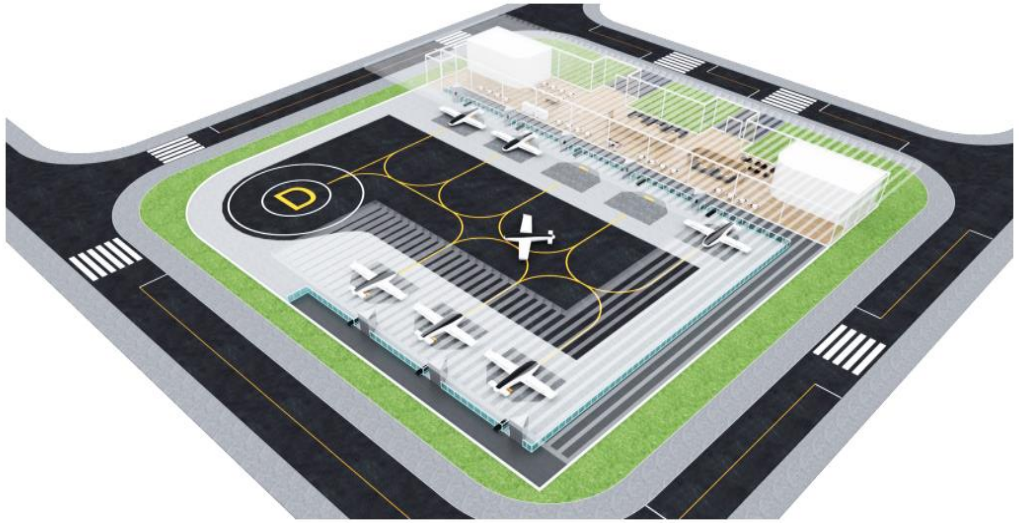
Maintenance and on time servicing of the elevator is an essential part of the elevator service.



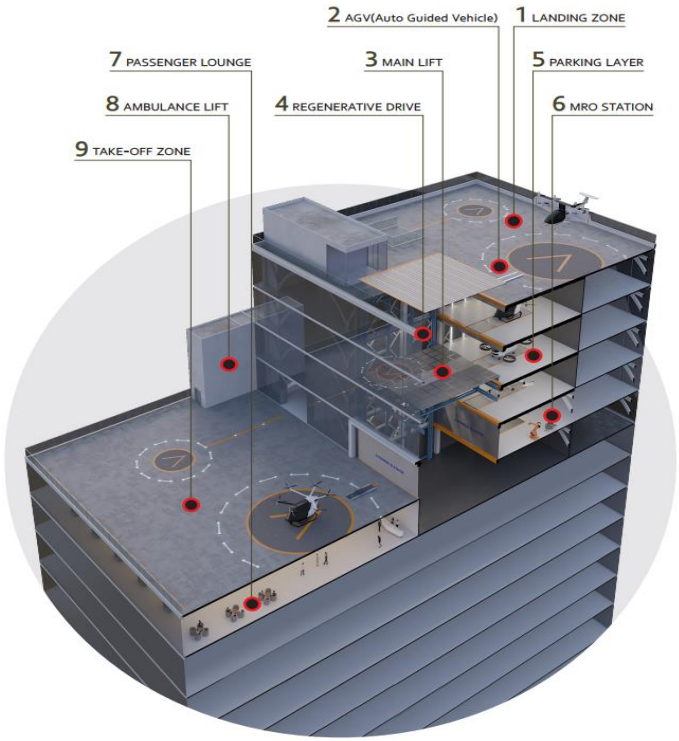


H-PORT for Urban Aerial Transit

H-PORT is a vertical hangar-type vertiport for UAM, combining parking, charging, and boarding control.



On Ground Vertiport
(Required Surface Area 8,500m²)



Vertically Layered Vertiport (H-PORT)
(Required Surface Area 1,400m²)

H-PORT for Urban Aerial Transit

H-PORT video

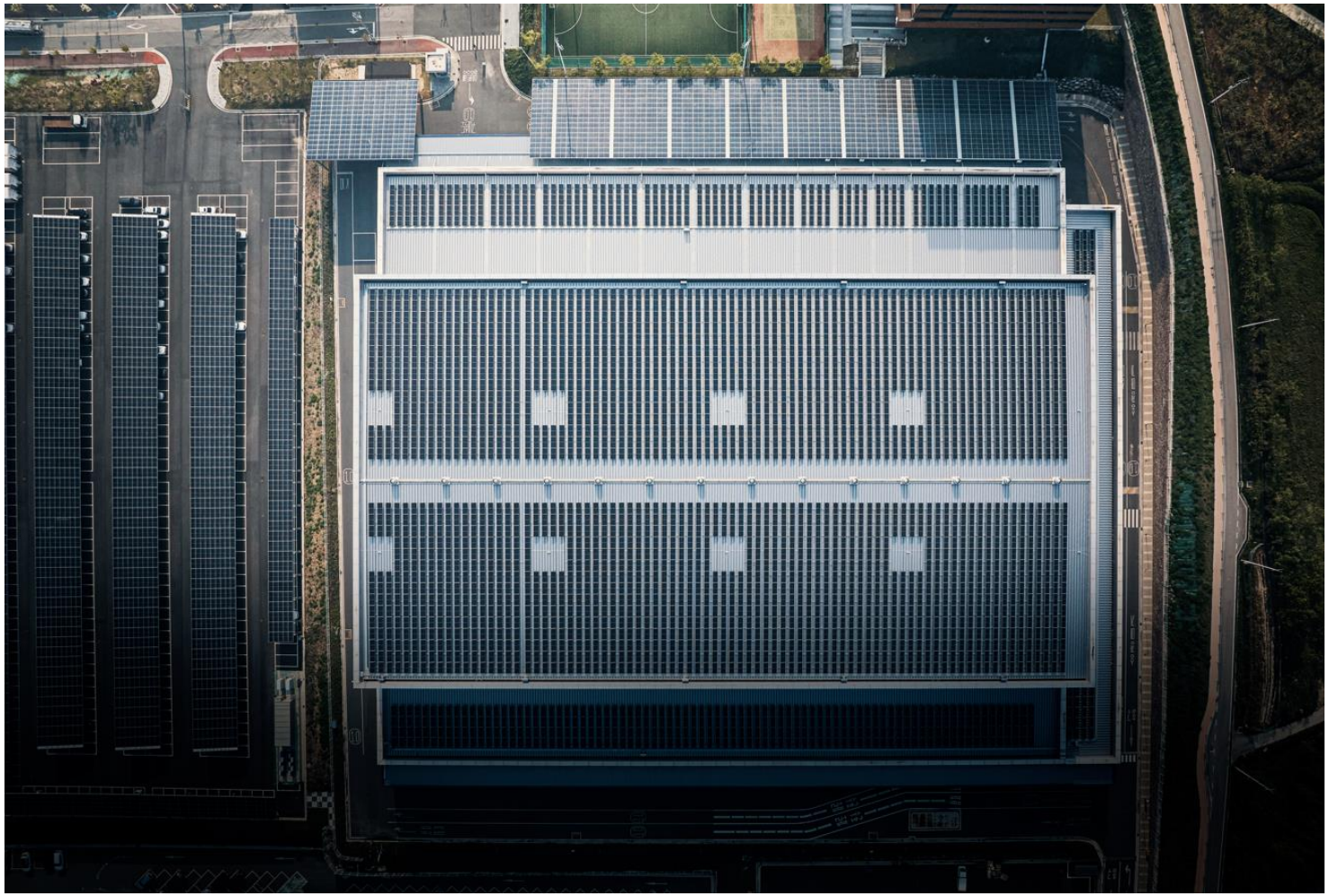


https://youtu.be/q3mffMw4n8c

K-RE100

Built Smart Campus in Chungju powered by renewable energy, Supporting its K-RE100 goal

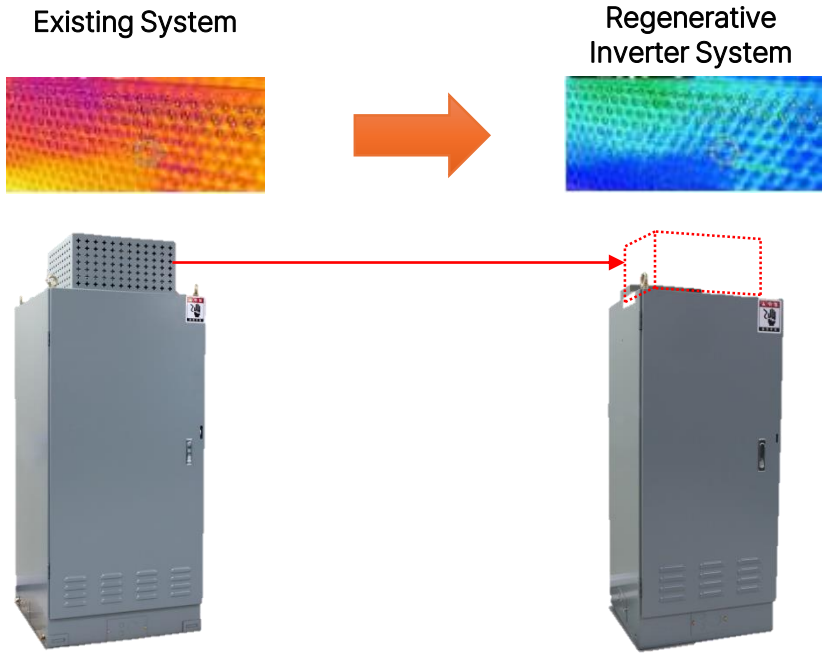
A Model ESG strategy combining efficiency and Sustainability



Regenerative inverter

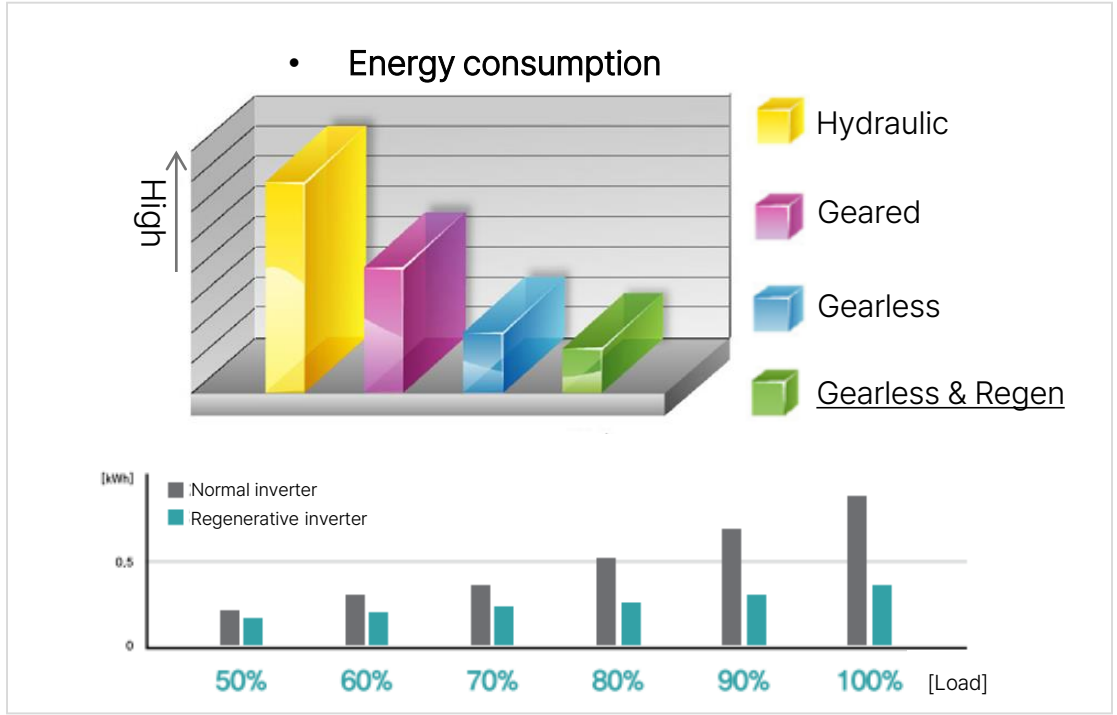
A regenerative system captures and reuses power from elevator weight imbalances, improving energy efficiency.

Machine room heat reduction



- Machine room heat is greatly reduced by recycling power generated during an elevator operation.

Up to 60% energy savings (PWM system)



- Energy saving by generating during operation.

Ultra-High Speed Elevator

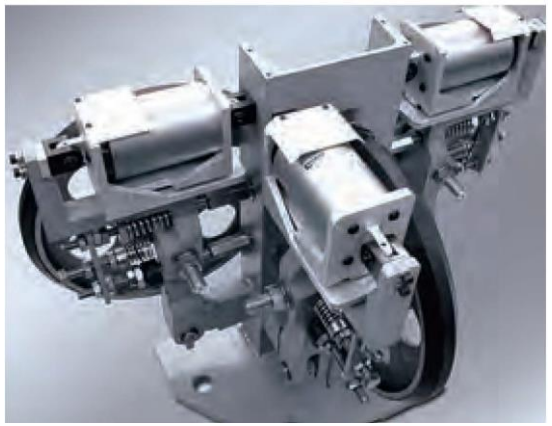
Hyundai Elevator developed the world's fastest 21m/s elevator in 2020, continuing its high-tech leadership since its 18m/s model in 2009.



9-Phase
Synchronous Motor

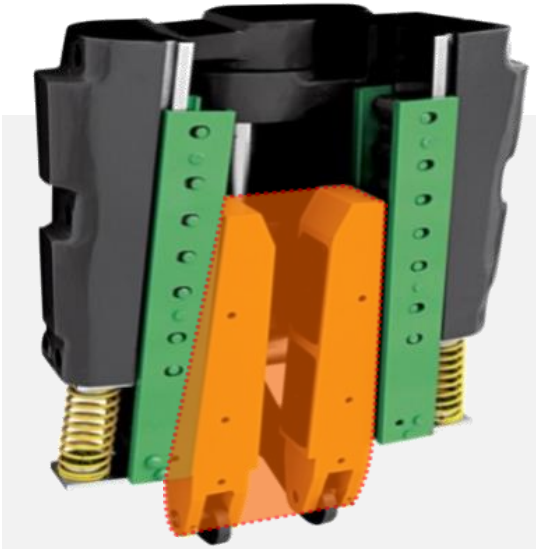
Fly ball Governor



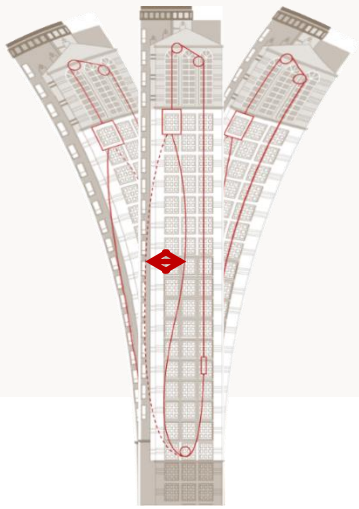


Active Guide Roller

Ceramic Safety Gear



Ultra-High Speed Elevator



Building Sway System

Building sway from earthquakes or strong winds is monitored, with evacuation triggered when elevators stop near a floor

Piston Effect

Noise and vibration caused by the air exiting when elevator in narrow hoistway operates in high



Cabin Pressurization System

A device to keep the internal pressure equal during the high travel



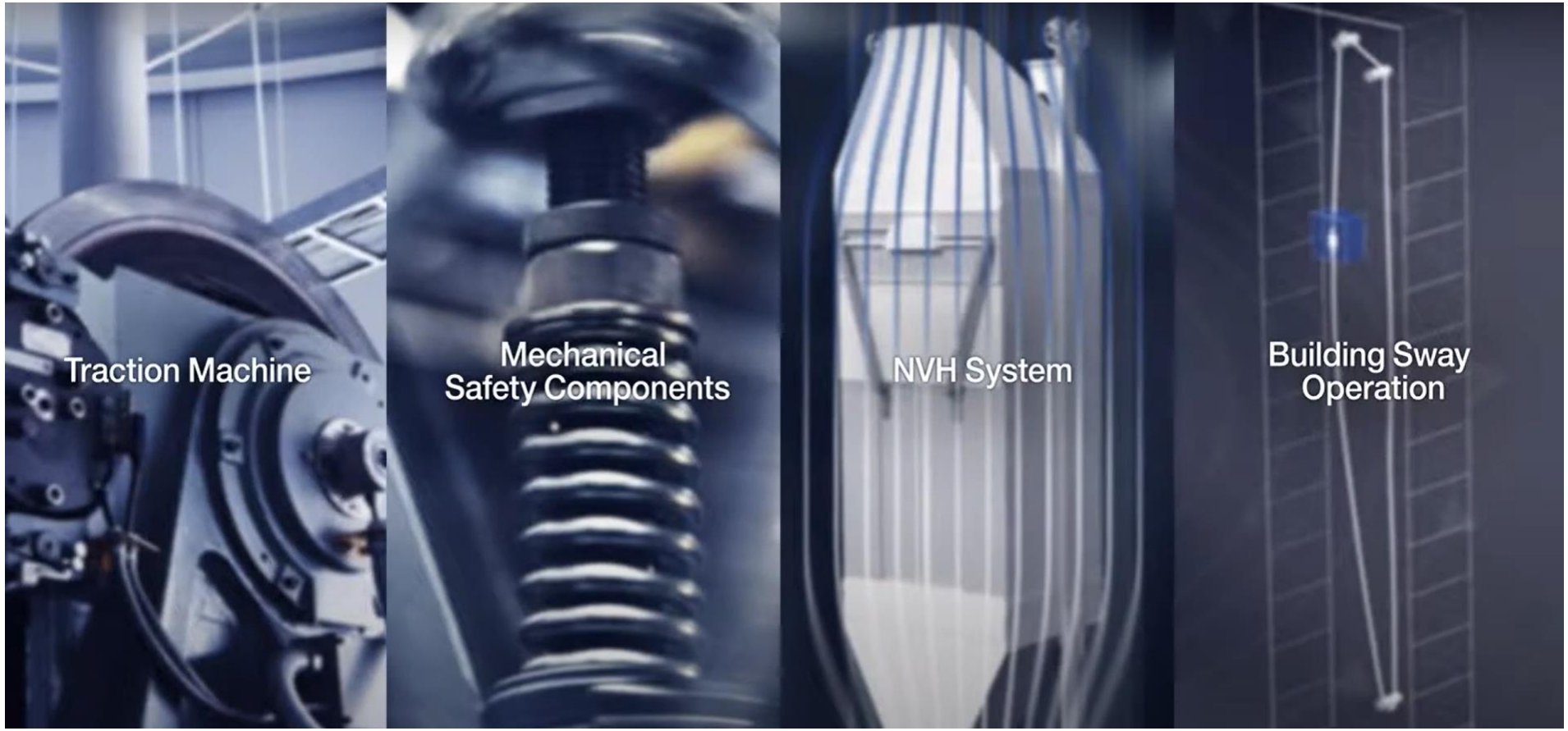


Air Tightening Door

Keeping the door tight to prevent vibration and noise through the door

Ultra-High Speed Elevator

Informational video



https://youtu.be/PS57nnpleGw?si=QF3YdoXCRJmy0BD9

Jump Elevator

Jump Elevator accelerates high-rise construction by being installed in the initial phase.

Shorten construction period	Reduce construction costs	Improve transportation efficiency	Energy saving	Enhance safety

1 Waterproof Protection
Plates prevents rainwater from entering and protects workers from weather.

2 Upper Work Platform
Prevents falling objects and ensures worker safety.

3 Work Platform
Temporary platform for installing the rail entrance.

4 Machine Room
Moves to the basement as the building's floors increase for elevator jump.

5 Elevator Car
Transports personnel and materials, with floors increasing as the building expands.

6 Rope Drum
Winds the rope in the pit as the number of operating floors increases.



Jump Elevator

Informational video



https://youtu.be/iF6OHBV7ynY

3

Product



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Elevator by Model

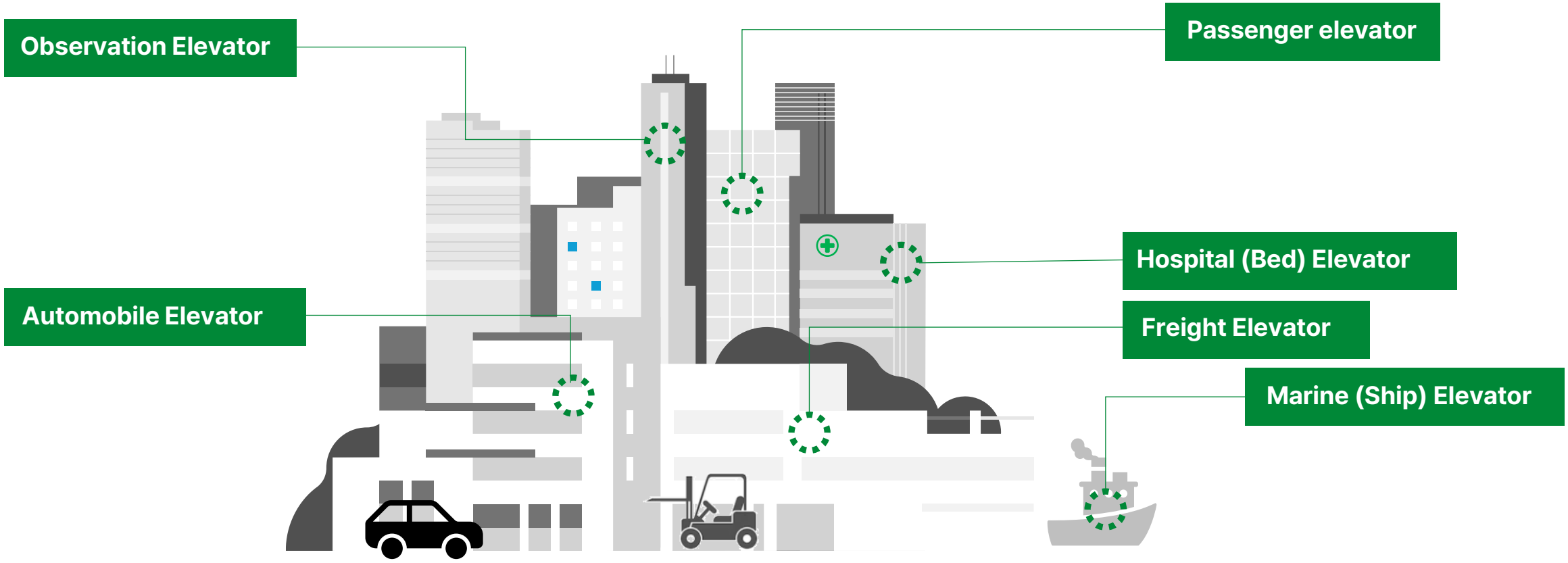
Hyundai's elevator line-up offers vertical solutions, including the world's fastest carbon fiber belt elevator at 21m/s.

MR (Machine Room)		
Low	LUXEN	• 1 ~ 3m/sec • 450 ~ 2,000kg
High	iXEL	• 3 ~ 4m/sec • 900 ~ 2,000kg
Ultra-high	THE EL	• 5 ~ 21m/sec • 1,150 ~ 2,000kg

MRL (Machine Room Less)		
Rope	YZER	• 1 ~ 2.5m/sec • 400 ~ 2,500kg
Belt	N:EX	• 0.15 ~ 1.75m/sec • 250 ~ 1,150kg

Elevator by usage

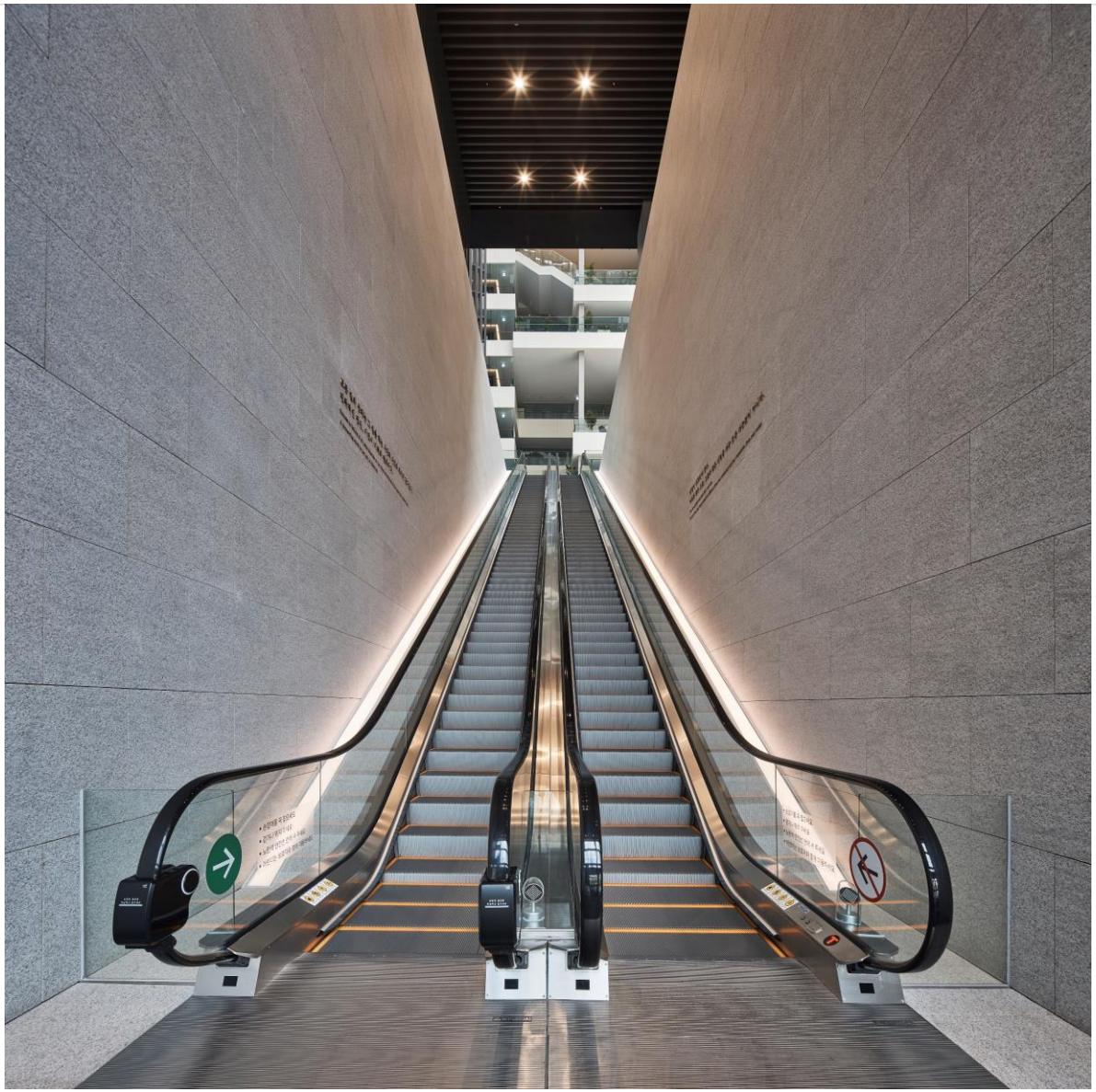
Regardless of how & where you want to use the elevator, we have the right solution for all your needs.



Escalator & Moving walks

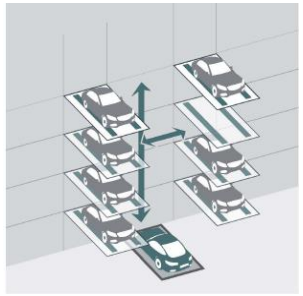
Hyundai Elevator’s escalators and moving walks connect spaces, creating open, shared areas with enhanced safety, efficiency, and ride quality.





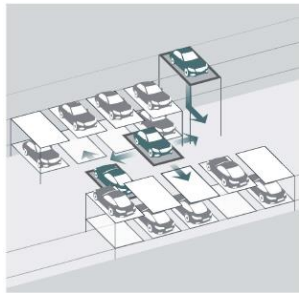
Auto Parking

Hyundai Elevator offers state-of-the-art parking systems that can be optimized for any building.



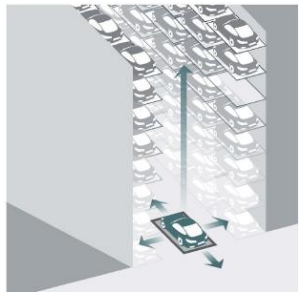
Elevator Type

Energy-efficient parking system fits 70 cars, saves energy, and runs quietly.



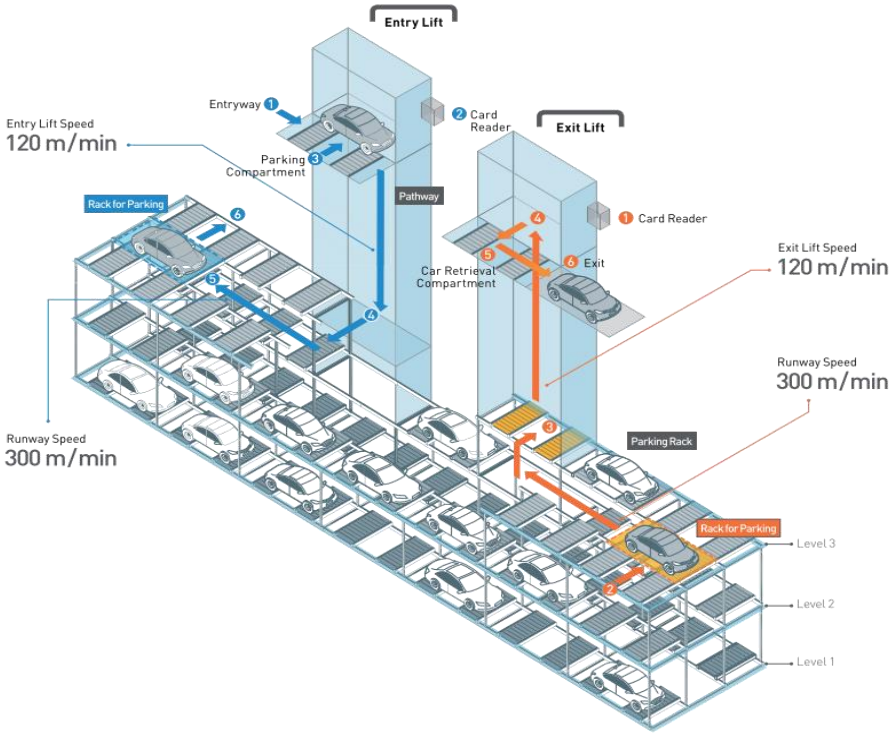
Cart Type

Speeds up parking with vertical and horizontal movement, maximizes space and supports expandable rows.



HIP [Hyundai Integrated Parking System]

Korea's fastest pallet-less system, parks in 38 sec, scalable under buildings or roads.



[HIP structure chart]

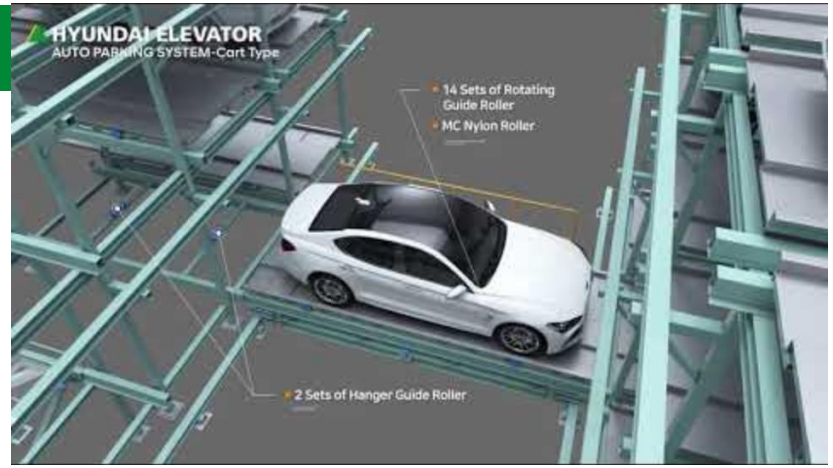
Auto Parking

Elevator Type



https://youtu.be/GB8ppwv_zO8

Cart Type



https://youtu.be/riaPo2oq-cE

HIP Type



https://youtu.be/LPE4n5-61mA

Conveyor Type



https://youtu.be/Wjot-ctL7iE

Various Cabin Designs

Propose various design solutions to meet the customer's needs.

BRONZE



GOLD



BRONZE+VCM



BLACK+VCM



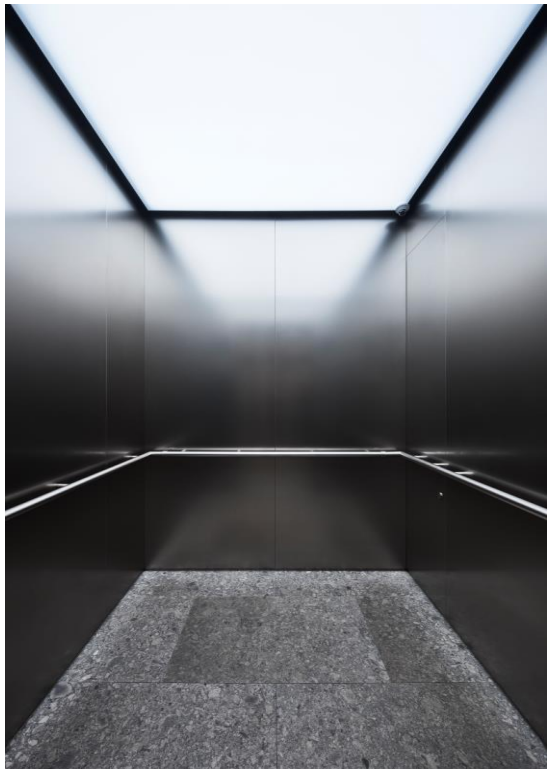
Customized Cabin Designs

Propose various design solutions tailored to meet the customer's needs.

HD Hyundai Global



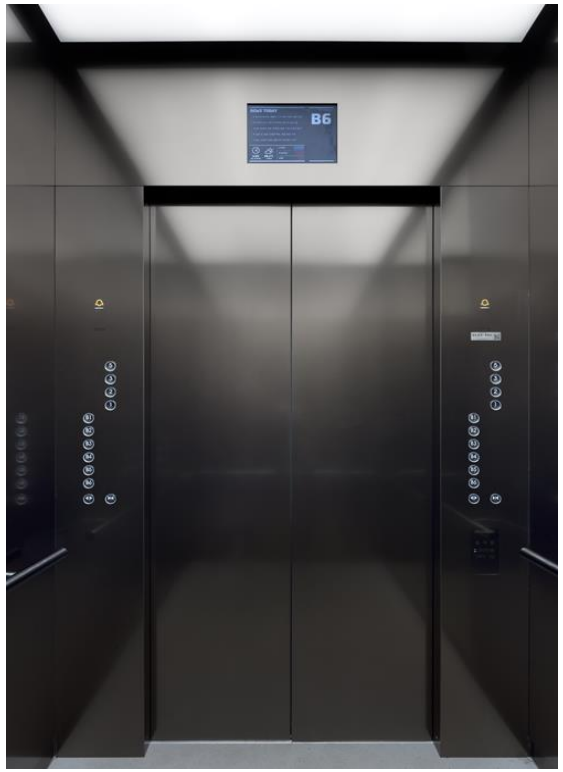
NAVER 1784



Park Hyatt Busan



Daishin 343



Clean Moving Solutions

Moving Safely Without Touching

① Motion Call Button

② Touchless Button

③ Touchless Foot Button

④ Smart Indicator

⑤ Anti-Virus Handrail

⑥ Air Touch



Clean Moving Solutions

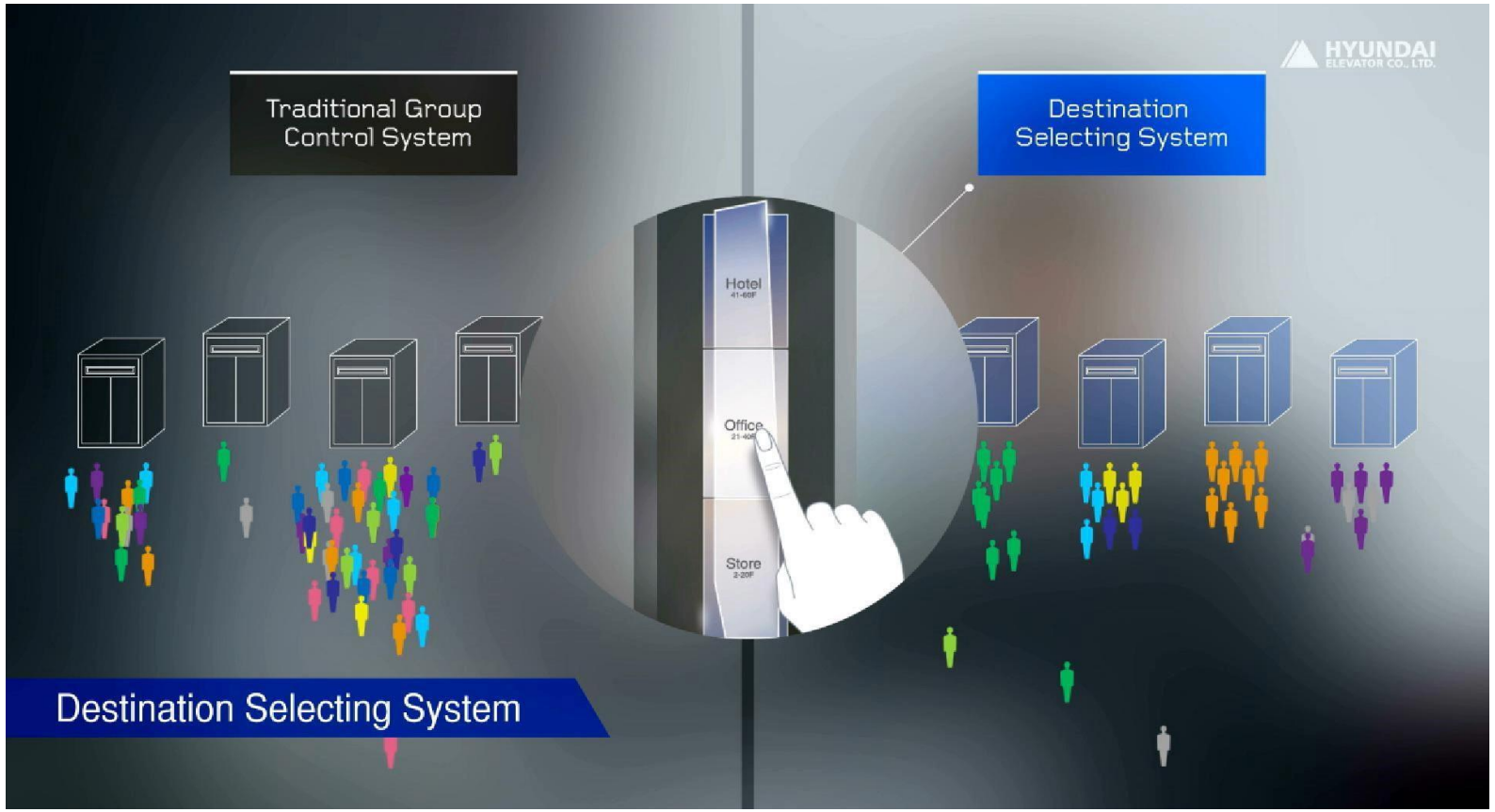
Informational video



https://youtu.be/rexoMZxBOFA

DSS (Destination Selecting System)

Optimizes an elevator dispatch by calculating waiting time, travel time, and passengers.

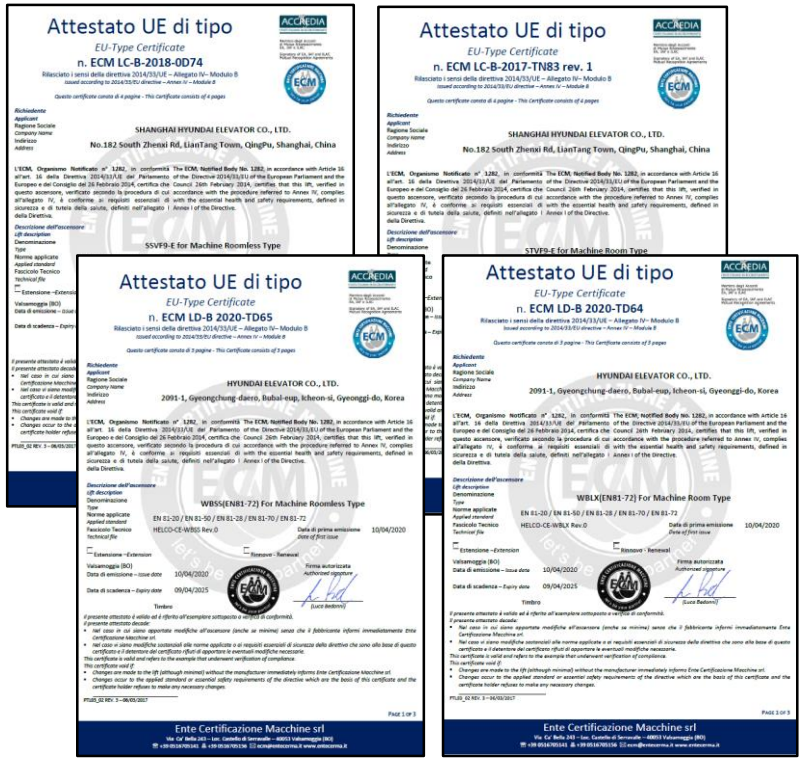


https://youtu.be/7sUli5BbaUY



3-4 Certificate

CE Certificates of EN CODE



- EN80-20/50, 70, 72
- Notified body ECM (Italy)

Fire resistance landing doors



- EN81-58 & GOST
- Notified body LIFTINSTITUUT (Netherlands)

4



Global Reference

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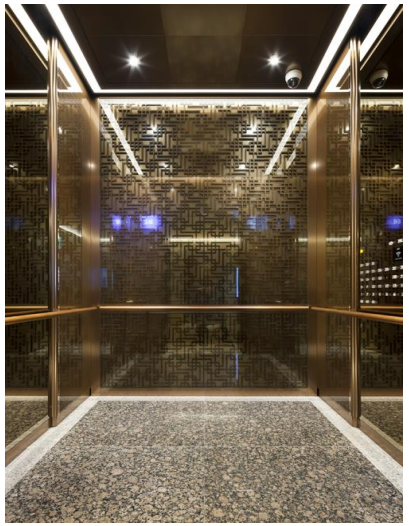
4-1 Hotel

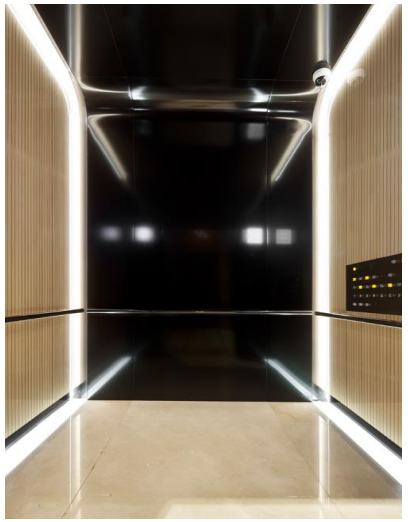
ASIA











Korea

Seoul Dragon City (48F)

- 4m/sec
- Total 43 units *EL 33 units ES 10 units*

Grand Mercure, Novotel Suites, Novotel, Ibis Style

4-1 Hotel

ASIA



Vietnam

Hanoi Landmark Tower (55F)

- Max 4m/sec
- Total 56 units *EL 29 units ES 27 units*

Intercontinental Hotel



Indonesia

Hotel Mercure Lampung (40F)

- Max 3.5m/sec
- Total 41 units *EL 15 units ES 26 units*



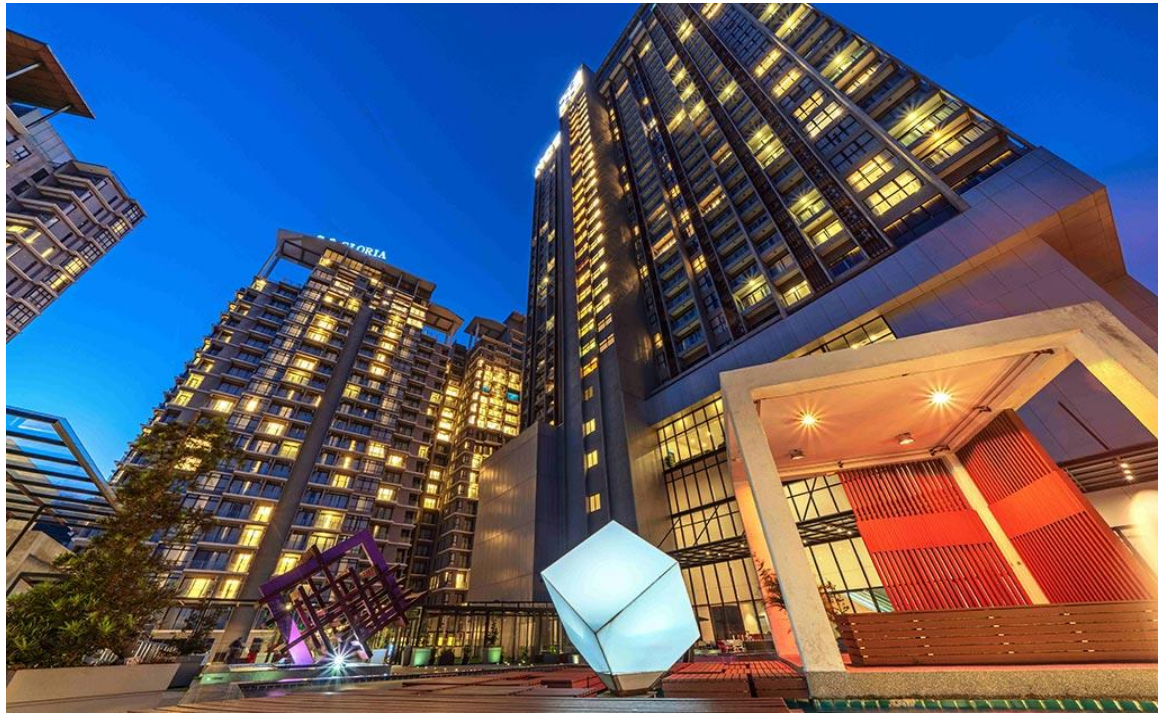
Myanmar

Lotte Hotel Yangon (30F)

- Max 3m/sec
- Total 20 units *EL only*

4-1 Hotel

ASIA





Malaysia

Galeri Tropika 2 (26F)

- Max 4m/sec
- Total 32 units *EL 24 units ES 8 units*

Grand Icon Delemen Hotel at Genting Highlands Area

Sri Lanka

Waterfront Resort (48F)

- Max 5m/sec
- Total 101 units *EL 80 units ES 21units*

Cinnamon Life at City of Dreams, NUWA

4-1 Hotel

MENA

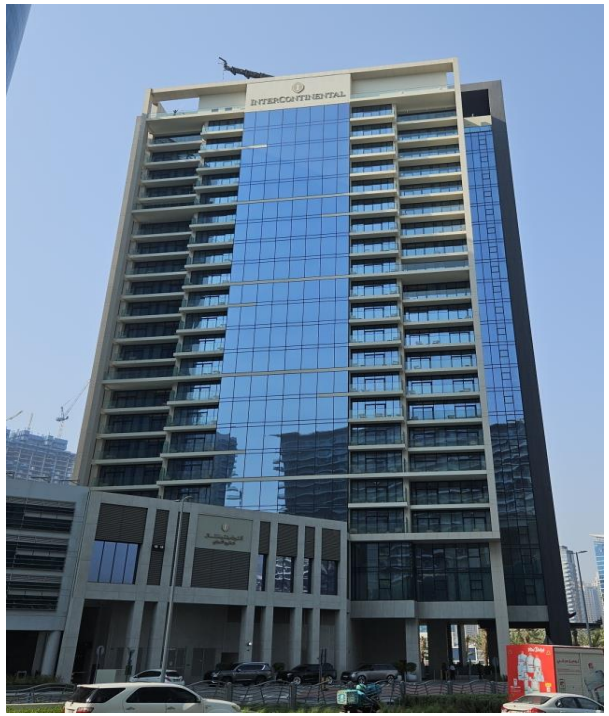


Arab Emirates

Movenpick Hotel Marjan Island (14F)

- Max 1.75m/sec
- Total 14 units *EL only*

Al Ali Construction & Development



Arab Emirates

Intercontinental Residence (27F)

- Max 2.5m/sec
- Total 5 units *EL only*



Libiya

JW Marriortt Hotel (36F)

- Max 4m/sec
- Total 10 units *EL only*

Designed by JungLim, Completed in 2011

4-1 Hotel

MENA



Qatar

M Hotel Tower (46F)

- Max 4m/sec
- Total 11 units *EL only*

EUROPE



Turkey

Varyap Merdian Hotel (58F)

- Max 4m/sec
- Total 53 units *EL only*

AMERICAS



Panama

Hilton Hotel (69F)

- Max 4m/sec
- Total 31 units *EL only*



Panama

Evolution Tower (53F)

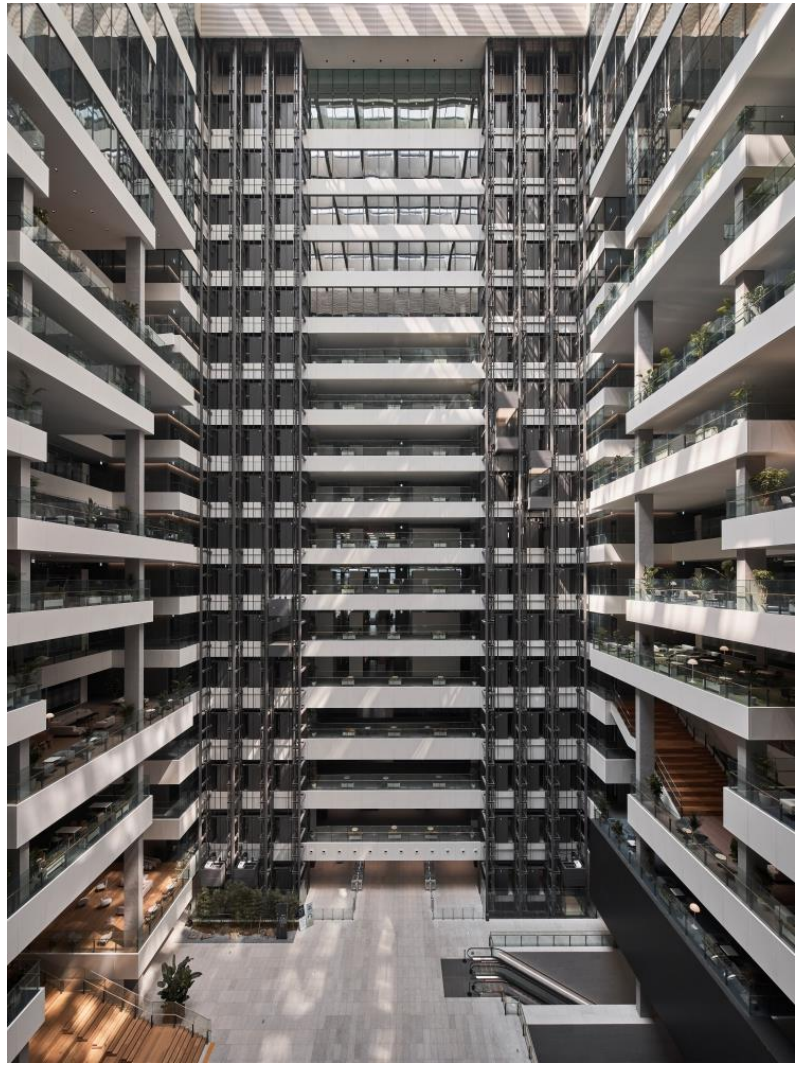
- Max 4m/sec
- Total 13 units *EL only*

W Panama

4-2 Office

ASIA







Korea

HD Hyundai R&D Center (20F)

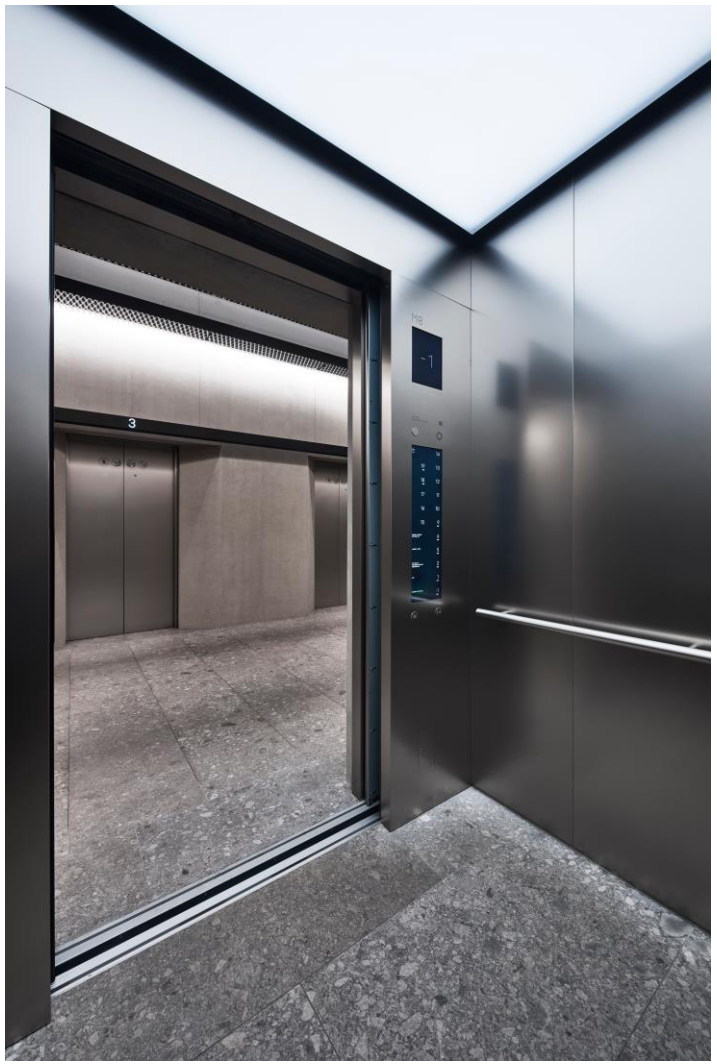
- Max 4m/sec
- Total 38 units *EL 34 units ES 4 units*

4-2 Office

ASIA







Korea

NAVER 1784 (28F)

- Max 5m/sec
- Total 20 units *EL only*

Integrated Auto-robot with elevators, Cube LED,
Smart Touch OPB, Kiosk type of DSS control and Hall buttons

4-2 Office

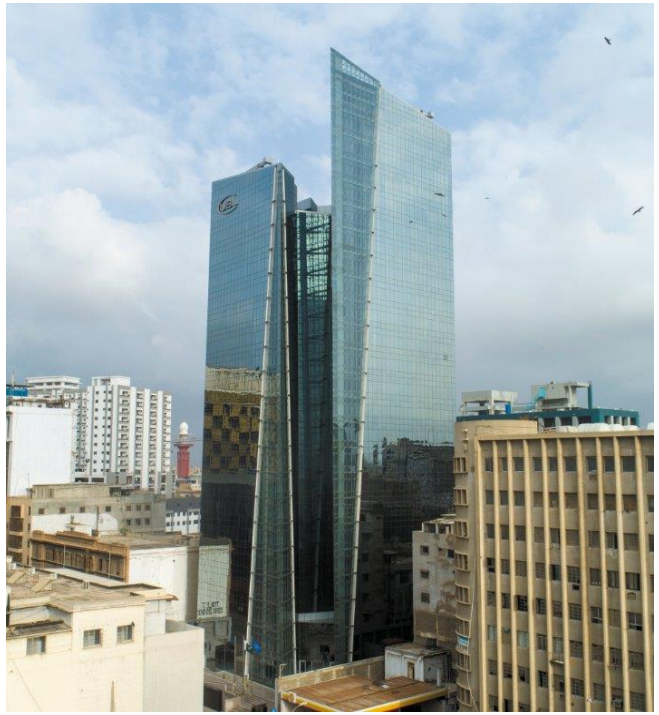
ASIA



Philippines

SM Four Ecom (16F)

- Max 1.5m/sec
- Total 42 units *EL only*



Pakistan

UBL Head Office (28F)

- Max 4m/sec
- Total 6 units *EL only*



Indonesia

Voza Office Tower (34F)

- Max 4m/sec
- Total 12 units *EL only*

4-2 Office

ASIA



Malaysia

KL Gateway (50F)

- Max 3m/sec
- Total 114 units *EL 51 units ES 63 units*

Residence, Office, Shopping mall

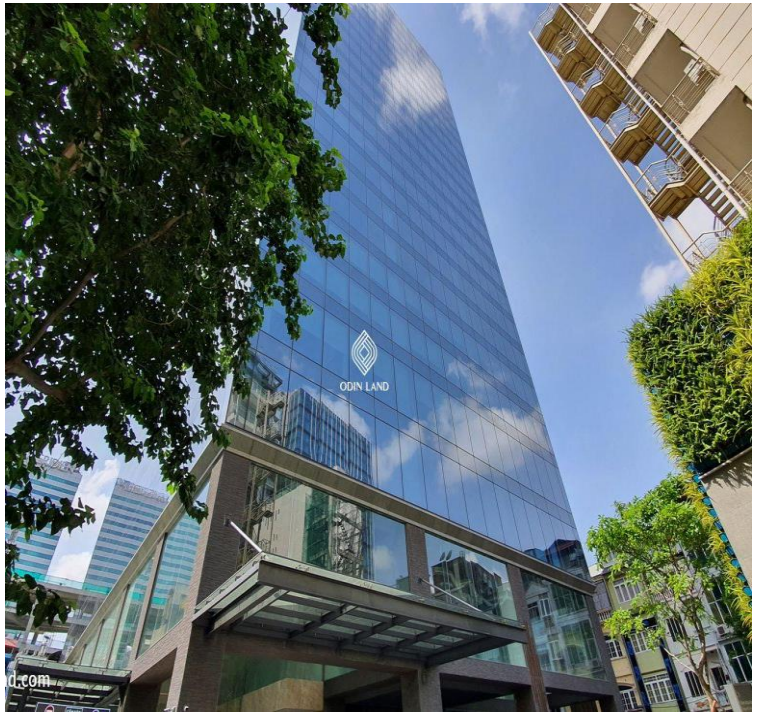


Malaysia

Bandar Utama Power House (33F)

- Max 4m/sec
- Total 45 units *EL 37 units ES 8 units*

M World Hotel & Powerhouse (Office) / DSS applied



Vietnam

Sonatus Tower on 15 Le Thanh Ton (28F)

- Max 3m/sec
- Total 9 units *EL only*

4-2 Office

EUROPE



Turkey

YDA Center (35F)

- Max 4m/sec
- Total 56 units *EL only*



Greece

The Grid (9F)

- Max 1.75m/sec
- Total 17 units *EL only*

Designed by Foster & Partners

AMERICAS



Venezuela

Centro Simon Bolivar (54F)

- Max 8m/sec
- Total 22 units *EL only*

Ultra-high speed lift project



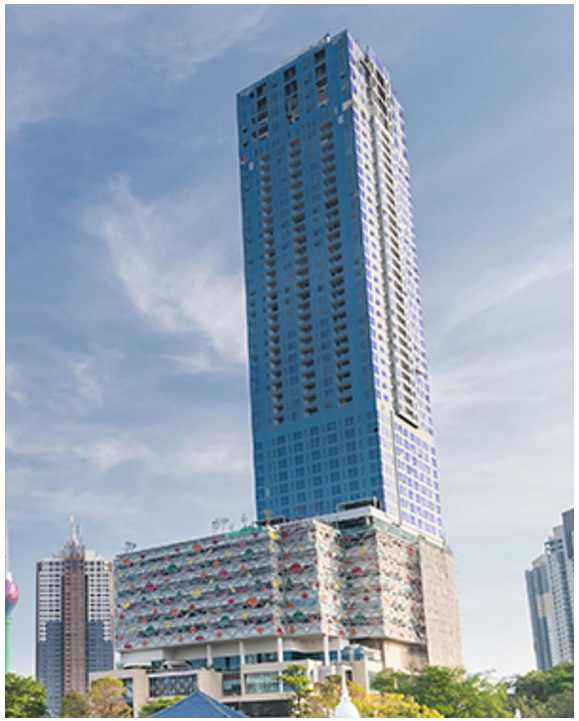
Venezuela

Banco de Venezuela (23F)

- Max 5m/sec
- Total 9 units *EL only*

4-3 High-rise

ASIA



Sri Lanka

Colombo City Centre (51F)

- Max 6m/sec
- Total 25 units *EL 15 units ES 10 units*



Malaysia

Vistana Tropika (59F)

- Max 5m/sec
- Total 25 units *EL 23 units ES 2 units*

Residence & Novotel

MENA



Israel

SEA&PARK BAT YAM (43F)

- Max 4m/sec
- Total 4 units *EL only*

DSS Applied



Kuwait

AL KHALID TOWER (30F)

- Max 4m/sec
- Total 5 units *EL only*

4-3 High-rise

MENA



Qatar

Rabban Tower (51F)

- Max 4m/sec
- Total 10 units *EL only*



Qatar

Bin Samekh Tower (46F)

- Max 4m/sec
- Total 10 units *EL only*



Kuwait

99 Tower @Hessa Mubarak (30F)

- Max 3.5m/sec
- Total 5 units *EL only*



Kuwait

MNA Tower (38F)

- Max 4m/sec
- Total 8 units *EL only*

4-3 High-rise

EUROPE



Turkey

Metropol Istanbul (71F)

- Max 6m/sec
- Total 117 units *EL 93 units ES 20 units MW 4 units*

DSS Applied



Russia

Iset Tower (52F)

- Max 6m/sec
- Total 6 units *EL only*

AMERICAS



Panama

F&F Tower (53F)

- Max 4m/sec
- Total 5 units *EL only*

4-4 Shopping Mall

ASIA





Philippines

SM Mall of Asia (8F)

- Max 1.5m/sec
- Total 139 units *EL 51 units ES 88 units*

The 4th largest mall in Philippines

Philippines

SM Seaside City Cebu (8F)

- Max 1.75m/sec
- Total 140 units *EL 36 units ES 104 units*

4-4 Shopping Mall

ASIA





Philippines

SM Aura

- Max 2.5m/sec
- Total 88 Units *EL 30 units ES 58 units*

Office & Shopping mall

Philippines

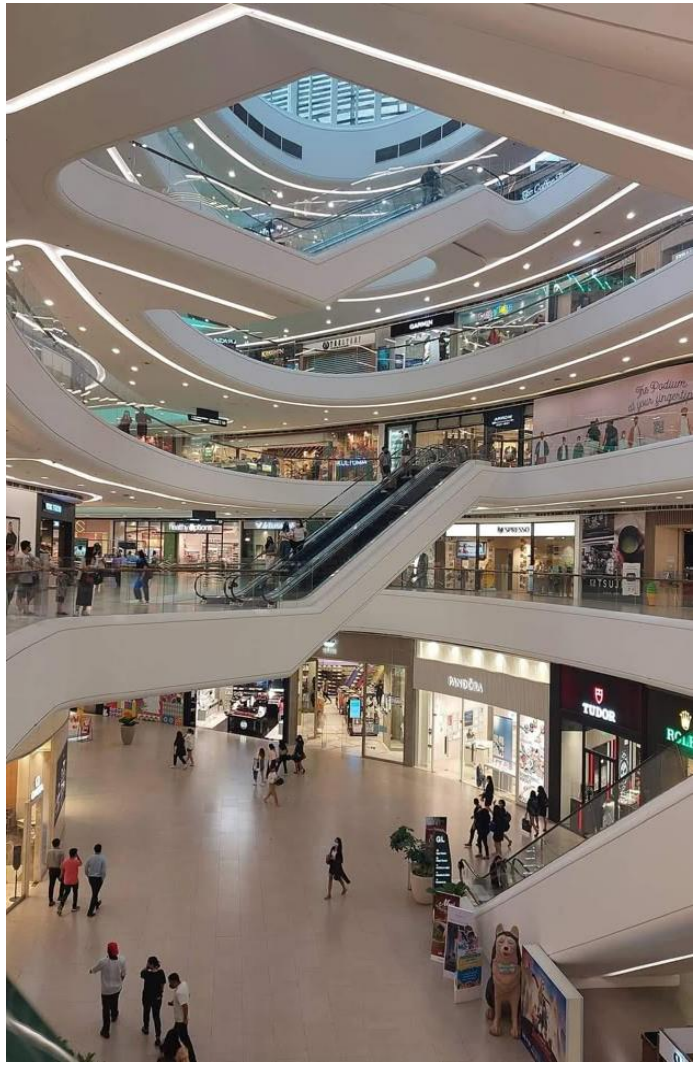
SM North EDSA

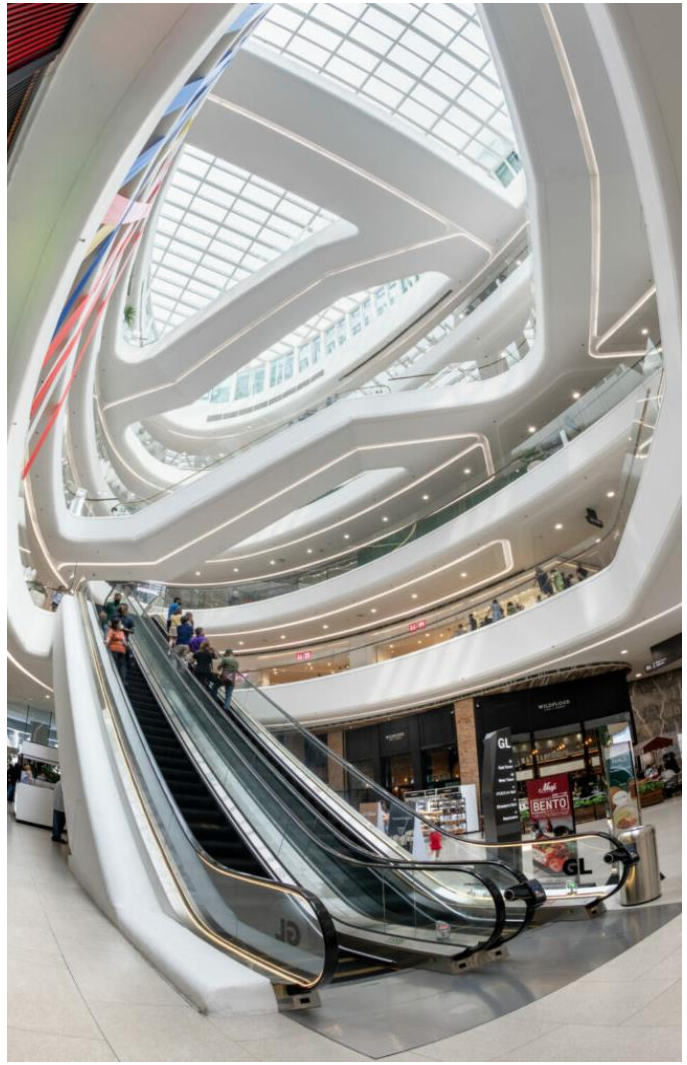
- Max 1m/sec
- Total 33 units *EL 8 units ES 25 units*

4-4 Shopping Mall

ASIA







Philippines

The Podium (8F)

- Max 1m/sec
- Total 52 units *EL 16 units ES 36 units*

4-4 Shopping Mall

ASIA



Indonesia

Ciputra World Surabaya (7F)

- Max 1.5m/sec
- Total 46 units *EL 10 units ES 34 units MW 2 units*



Vietnam

Lotte Center Hanoi (10F)

- Max 1.75m/sec
- Total 56 units *EL 22 units ES 34 units*

Office & Department Store



Bangladesh

IPCO Retail Shopping (8F)

- Max 1.75m/sec
- Total 33 units *EL 9 units ES 24 units*

Centrepoint

4-4 Shopping Mall

ASIA



Bahrain

AVENUE Phase2 (4F)

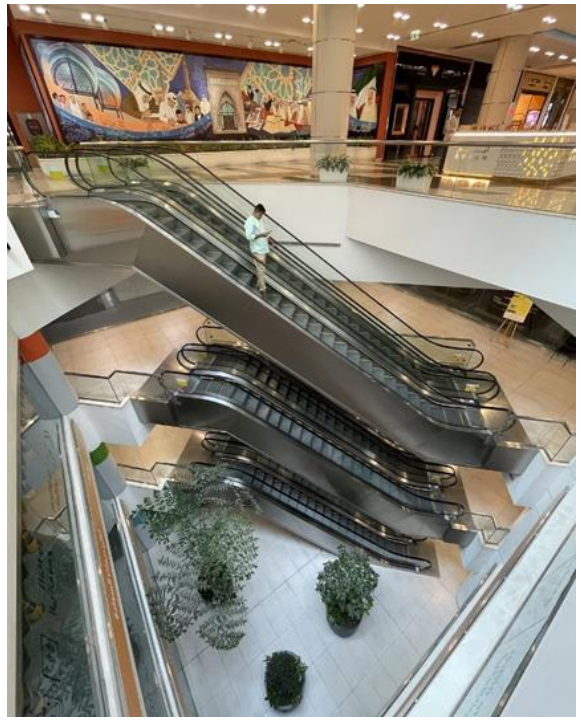
- Max 1m/sec
- Total 30 units *EL 18 units ES 10 units MW 2 units*



Bahrain

Bahrain Marina Phase 1 (23F)

- Max 2.5m/sec
- Total 23 units *EL 19 units ES 4 units*



Kuwait

Al Othman (21F)

- Max 3.5m/sec
- Total 33 units *EL 13 units ES 20 units*

4-4 Shopping Mall

EUROPE





Turkey

Watergarden (8F)

- Max 1.75m/sec
- Total 65 units *EL 39 units ES 22 units MW 4 units*

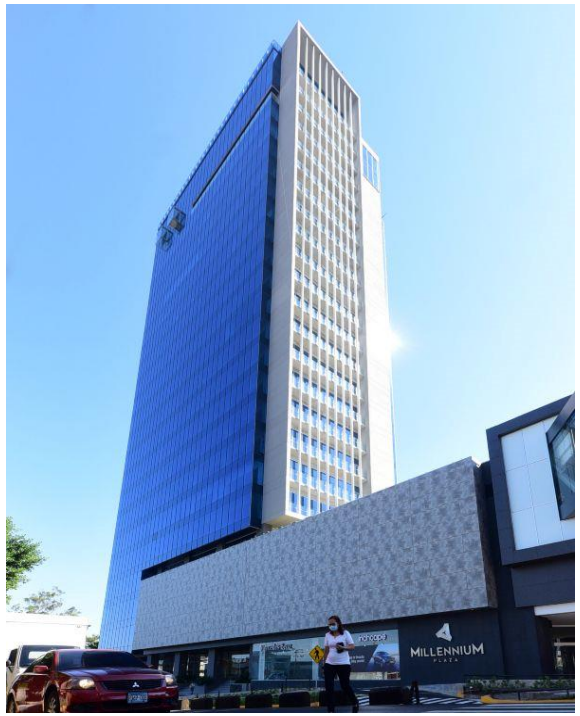
Turkey

Erasta Shopping Mall (8F)

- Max 1m/sec
- Total 44 units *EL 9 units ES 29 units MW 6 units*

4-4 Shopping Mall

AMERICAS







El Salvador

Plaza Millennium (31F)

- Max 2.5m/sec
- Total 57 units *EL 37 units ES 20 units*

DSS Applied, Office, and Shopping Mall

Guatemala

Centro Vidére (12F)

- Max 1.75 m/sec
- Total 27 units *EL 9 units ES 18 units*

Panama

Town Center (9F)

- Max 1.5 m/sec
- Total 36 units *EL 20 units ES 16 units*

One of the finest shopping mall in Panama

4-5 Hospital

ASIA



India

Continental Hospital (17F)

- Max 1m/sec
- Total 34 units *EL 32 units ES 2 units*

AMERICAS



Panama

Hospital del Niño (23F)

- Max 2.5m/sec
- Total 29 units *EL 23 units ES 6 units*

Major State Own Hospital in Panama

4-5 Hospital

EUROPE





Turkey

Izmir Hospital (15F)

- Max 1.75m/sec
- Total 132 units *EL 112 units ES 20 units*

Turkey

Kocaeli Hospital (12F)

- Max 1.75m/sec
- Total 93 units *EL 73 units ES 20 units*

4-5 Hospital

EUROPE





Belgium

Belgium Tournai Hospital (10F)

- Max 1.75m/sec
- Total 30 units *EL 26 units ES 4 units*

4-6 Infrastructure

ASIA



Philippines

Clark International Airport (F4)

- Max 1m/sec
- Total 78 units *EL 35 units ES 43 units*

AMERICAS



Panama

Tocumen Airport

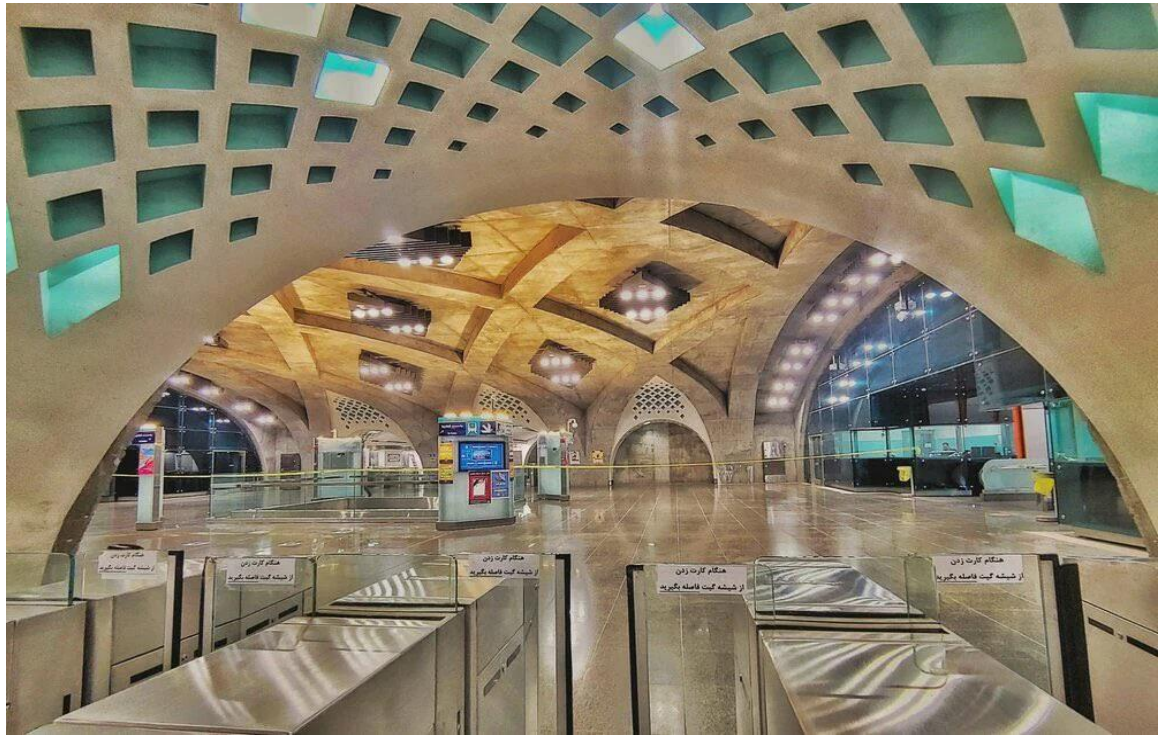
- Max 1m/sec
- Total 13 units *EL 3 units ES 2 units MW 8 units*

Fully Renovated

4-6 Infrastructure

MENA





Iran

Mashhad Urban Railway

- Rise: 9.7m
- Total 88 units *ES only*

Iran

Tehran Metro Line 1 & Line 2

- Rise: 12m
- Total 90 units *ES only, Line1 34 units, Line2 56 units*

It features Islamic design with modern tech.

4-6 Infrastructure

ASIA



Kazakhstan

Almaty Metro

- Rise: 28.8m
- Total 14 units *ES only*

EUROPE



Turkey

Istanbul Metro 5 (Cekmekoy – Kadikoy)

- Rise: 19.04m
- Total 261 units *EL 63 units ES 198 units*

4-6 Infrastructure

ASIA



India

DAICEC (13F) *Dhirubhai Ambani International Convention and Exhibition Centre*

- Max 1.5m/sec
- Total 32 units *EL only*

Jio World Centre complex

MENA



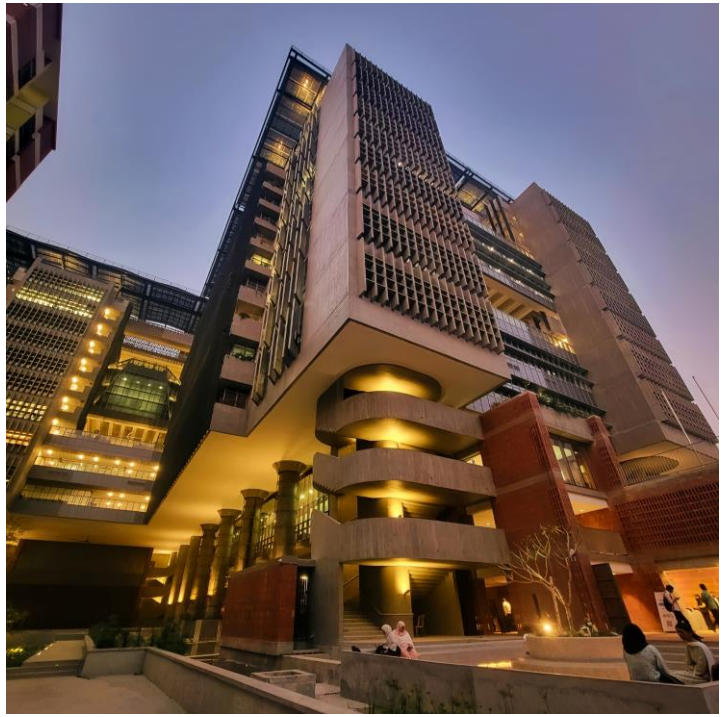
Kuwait

Cairo Pedestrian Bridge

- Rise: 6.6m
- Total 30 units *ES only*

4-6 Infrastructure

ASIA



Bangladesh

BRAC University (18F)

- Max 2m/sec
- Total 33 units *EL 7 units, ES 26 units*

MENA



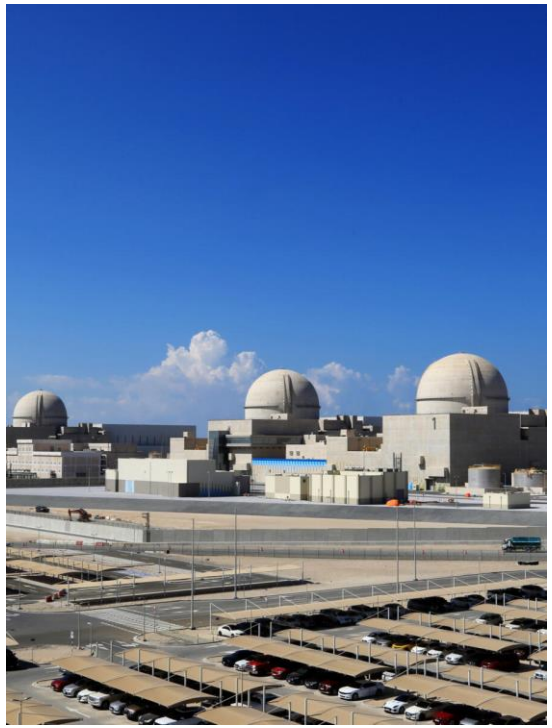
Oman

Royal Oman Police (6F)

- Max 1m/sec
- Total 16 units *EL only*

4-7 Plant

MENA



Arab Emirates

Barakha Power Plant

- Max 1m/sec
- Total 17 units *EL only*

Nuclear Power Plant

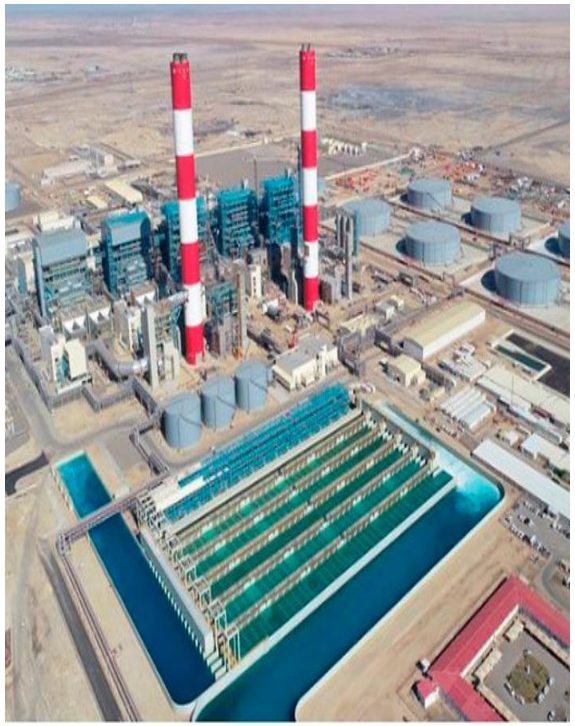


Arab Emirates

JEBEL ALI M Station

- Max 1m/sec
- Total 27 units *EL only*

Desalination Plant



Saudi Arabia

Yanbu Power Plant

- Max 1.5m/sec
- Total 19 units *EL only*

ASIA



Malaysia

Lotte Energy Materials

- Max 0.5m/s
- Total 3 units *EL only*

4-8 Residential / New Town

ASIA



Vietnam

Starcity Center (48F)

- Max 3m/sec
- Total 49 units *EL only*

MENA



Qatar

Burj Damac Sea View

- Max 2.5 m/sec
- Total 6 units *EL only*



Qatar

AL Wefaq Tower

- Max 2.5m/sec
- Total 16 units *EL 8 units, ES 8 units*



Arab Emirates

Al Wadi Tower (36F)

- Max 4.0m/sec
- Total 3 units *EL only*

4-8 Residential / New Town

MENA





Iraq

Bismayah New City Project (10F)

- Max 1m/sec
- Total 1,668 units *EL only*

The largest overseas project in the history of Korean construction.

Turkey

Ist Marina (46F)

- Max 4m/sec
-Total 58 units *EL 38 units, ES 20 units*

4-8 Residential / New Town

ASIA

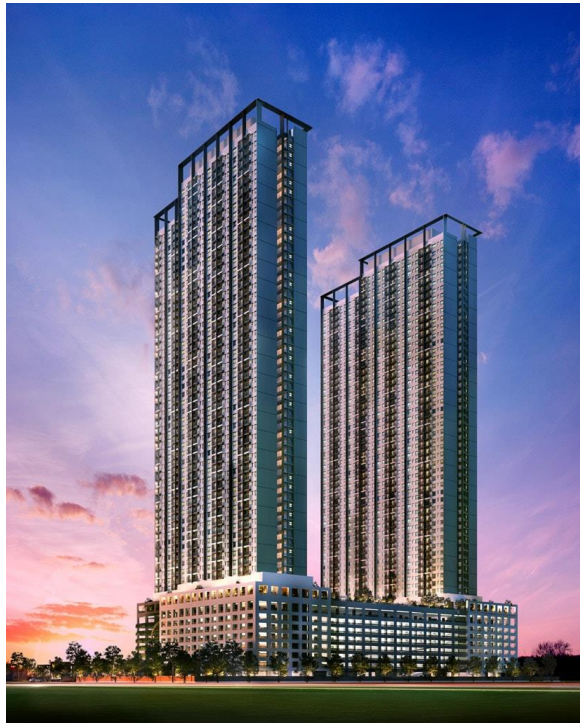


Malaysia

Allevia (UEM Sunrise) (47F)

- Max 3.0m/sec
- Total 8 units *EL only*

Corner Post included



Malaysia

M LUNA (57F)

- Max 3.5m/sec
- Total 12 units *EL only*



Malaysia

Setia Sky Seputech (38F)

- Max 3m/sec
- Total 16 units *EL only*



Cambodia

Booyoung Town (25F)

- Max 2m/sec
- Total 38 units *EL 28 units, ES 10 units*

5



Outro

1. Introduction

2. Technology

3. Product

4. Global Reference

5. Outro

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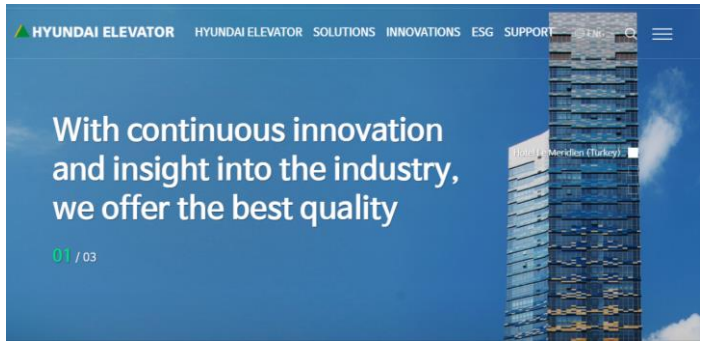

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SCAN QR CODE

Hold the camera to the image

SCAN QR CODE

Hold the camera to the image

←YOUTUBE



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