

***Total solutions for Movement***



Hyundai Elevator is a total solution provider, creating the highest level of movement efficiency in various areas including elevators, parking systems, automated material handling systems and system solutions. Hyundai Elevator's "Total solutions for Movement" is our promise to create a happier and convenient future through the creation of maximum movement value from our technology and experience.

## CONTENTS

6	Business Line
7	The first record in domestic/ international in the industry
8	Brief History
10	Hyundai Asan Tower
12	Elevators/Escalators
18	System Solutions
20	Material Handling Systems
22	Auto-parking Systems
24	Quality Assurance
25	Preventive Maintenance
26	Global Network

# When Hyundai moves, the world moves

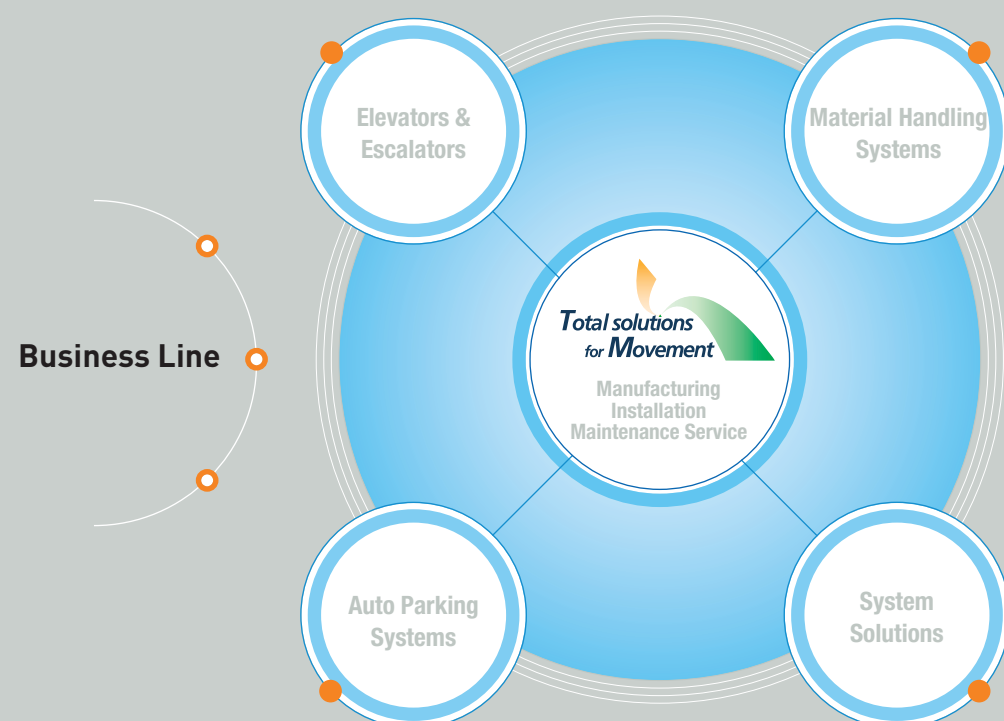
For the past 70 years, Hyundai has raised the name of Korea all over the world.

Now Hyundai Elevator continues the tradition and is creating a new legacy through our world renowned technology and service.

# We challenge to be the best in the world through endless change and innovation

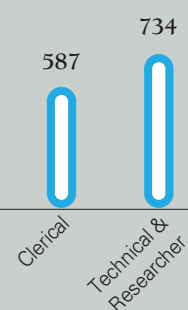
Beyond simple movement efficiency, we are the global leader in creating value in movement.

Through our institutionalized knowledge base and endless research and development, Hyundai Elevator has been able to create the highest level of movement value in the area of elevators, escalators, moving walkways, automated material handling systems, parking systems, and system solutions.



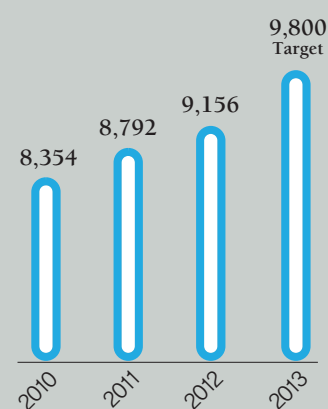
## Employee

(Unit: Numbers., 2012)  
Total 1,321



## Revenues

Unit : Hundred million won



## THE FIRST RECORD IN DOMESTIC/INTERNATIONAL IN THE INDUSTRY

# Hyundai products become the standard

Hyundai has impressive records of technological innovation.

## The first record in domestic/international in the industry

- |             |  |
|-------------|--|
| <b>1991</b> | Certificated quality management system ISO9001 from DNV  |
| <b>1993</b> | Development of elevator remote monitoring technology   |
| <b>1998</b> | Development of 25 degree escalators and broad type moving walkways   |
| <b>1999</b> | Development of machine-room-less elevator (YZER)   |
| <b>2000</b> | Release of internet display system for elevators application   |
| <b>2001</b> | Development of Korean type elevator car brake system   |
| <b>2003</b> | Installation of platform screen doors (PSD) (Gwangju subway opened in April 2004)  |
| <b>2004</b> | Obtained ISO9001 & 14001 certification in platform screen doors (PSD) from DNV   |
| <b>2006</b> | Opened a customer service center with Geographic Information System (GIS) <ul style="list-style-type: none"> <li>- Released mid to low speed gearless elevator (LUXEN)</li> <li>- Obtained urban railway goods quality certification in platform screen doors (PSD) from the Ministry of Construction and Transportation</li> </ul>  |
| <b>2007</b> | Development of the world's first power regenerating elevator inverter (LOWATT)   |
| <b>2008</b> | 10,000 units production of gearless traction machine with a permanent magnet synchronous motors  |
| <b>2009</b> | Development of the world first RTV system with permanent magnet synchronous machine <ul style="list-style-type: none"> <li>- Construction of the world tallest (205m) high-speed elevator testing tower</li> <li>- Installation of the world's fastest observation elevators (7m/sec)</li> <li>- Installatin of ultra high-speed elevators (10m/sec)</li> <li>- Obtained EK certification for safety parts for 10m/sec class ultra high speed elevators</li> </ul> |
| <b>2010</b> | Installation of the world's fastest 18m/sec ultra high-speed elevators   |
| <b>2012</b> | Received "A" class energy efficiency certificate from TÜV, German<br>Achieved UL certificate as the first korean elevator company  |





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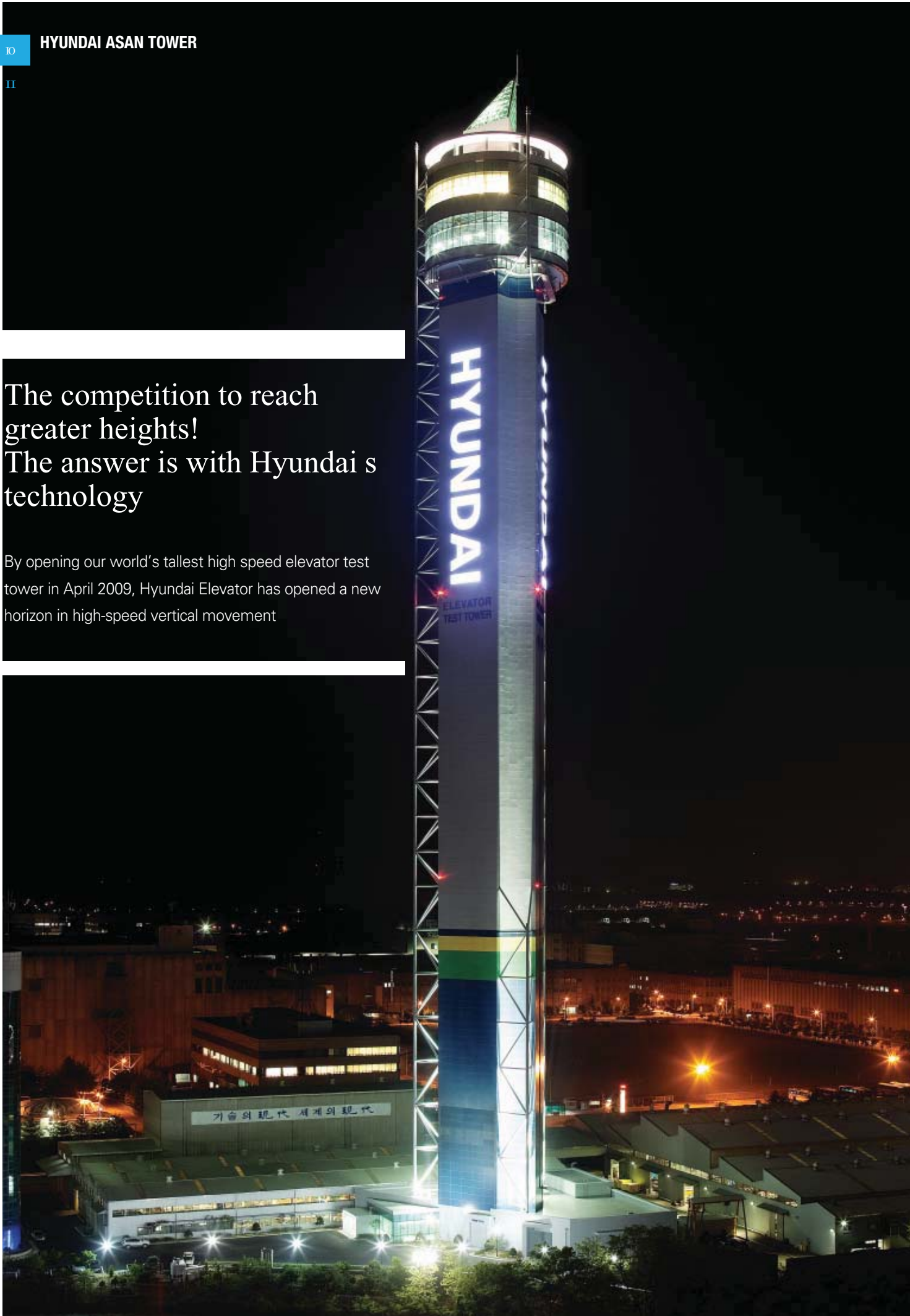
Hyundai Group

1937	Founder, Chung Ju-yung, started a rice shop "Gyungilsanghwoe"	1999	Hyundai Asan established
1947	Hyundai Togun, the initial company of the Hyundai Group, established	2001	The honorary chairman, Chung, Ju-yung passed away
1950	Hyundai Togun was renamed as Hyundai Construction	2003	Chairman Chung Mong-hun passed away - Chairwoman Hyun Jeong-eun is inaugurated - Ryukyung Chung Ju-yung Gymnasium in Pyongyang was opened
1962	Hyundai Securities established	2004	Pilot industrial complex at Kaesong was completed - Hyundai Group Vision 2010 was proclaimed
1965	Hyundai Construction became the first construction company to go overseas	2005	Hyundai U & I established
1967	Hyundai Motor Company established	2007	New Training Center of Hyundai Group was opened - Kaesong Tour was commenced
1970	The Seoul-Busan Expressway was constructed	2008	Hyundai Investment Network established - New organizational culture "4T" proclaimed
1976	Hyundai Merchant Marine Co. established - Jubail Industrial Harbour Project in Saudi Arabia is started to construction	2008	Hyundai Asset Management established
1983	Hyundai Electronics established	2010	Headquarters of Hyundai Group relocated to 'Hyundai Group Building' in Yeonji-dong, Seoul
1984	Hyundai Elevator Co., Ltd. established	2010	Hyundai Group Vision 2020 was proclaimed
1986	Hyundai Research Institute established		
1988	Hyundai Logiem Co., Ltd. established		
1998	Founder, Chung Ju-yung, visited the North Korea with a herd of cows - Mt. Kumgang Tourism is Launched		

Hyundai Elevator

1984 05	Hyundai Elevator Co., Ltd. established (May 23)	2006 11	Urban railway goods quality certification in platform screen doors (PSD) is certificated by the Ministry of Construction and Transportation
1995 09	Grand prize of customer satisfaction & management innovation was awarded by K.M.A.C.	2008 12	Korean excellent service quality company certification is certificated by the Ministry of Knowledge Economy
1996 07	The company stocks listed on the Korea Stock Exchange	2009 04	Produce 100,000 elevators and escalators - The world class (205m) high-speed elevator testing tower was constructed
1997 04	Received ISO 14001 environmental certification by DNV	2010 05	The world's fastest 18m/sec high-speed elevators at Hyundai Asan Tower was installed The world's fastest 10m/sec double-deck elevators at Hyundai Asan Tower was installed
1998 03	Received ISO 9001 and ISO 14001 certification for the Auto-Parking Systems and Material Handling Systems from DNV	2010 06	Received "A" class energy efficiency certificate from TÜV, German
2001 07	Korea Productivity Award was certificated by Korea Productivity Center	2012 01	Received OHSAS (Occupational Health & Safety Assessment Series) 18001 and GMS (Green Management System) certification by DNV
2002 03	EM Mark for MRL(Machine-Room-Less) elevator was certificated by Korean Agency for technology & standards	2012 10	Achieved UL certificate as the first korean elevator company
2002 03	CE Mark for all elevator safety components was certificated by DNV		
2005 12	CE mark for material handling system was certificated by TÜV		
2006 09	Selected as an excellent company in labor-management partnership culture by the Ministry of Labor		





The competition to reach greater heights!  
The answer is with Hyundai s technology

By opening our world's tallest high speed elevator test tower in April 2009, Hyundai Elevator has opened a new horizon in high-speed vertical movement

### I Hyundai Asan Tower I

We meticulously test and research the stability and reliability of our products by simulating a ultra high-speed building environment

Building Height : 205m above ground, 15m underground,  
(World Class Elevator Testing Tower)

Construction Area : 4,351 m<sup>2</sup>

#### Elevator (Total 9 units)

Type	Speed
Ultra-high speed	18m/sec
	10m/sec Double deck
	10m/sec(2units)
Observation	7m/sec
Mid to low speed	2m/sec(2units)
Freight	1.5m/sec
Shuttle	1m/sec Machine room-less(MRL)



Ultra-high speed elevator  
(18m/sec)



Ultra-high speed elevator  
(10m/sec)

### I Chung Mong-hun R & D Center I



Showroom



Elevator Design Showroom



Escalator Room



Material Handling System Room



Platform Screen Door Room



Auto-parking Room



Testing Facility



Entrance Hall



Conference Room

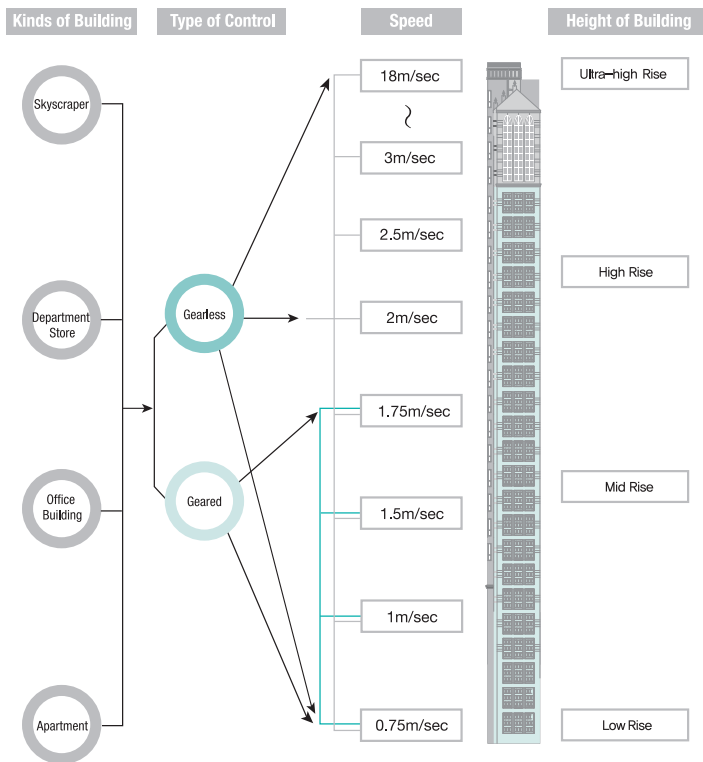




Centro Simon Bolivar (Government Complex), Venezuela

## We create sophisticated and convenient moving space

With the highest level of technology, Hyundai Elevator provides users with an ever convenient and sophisticated movement environment through the creation of aesthetically pleasingly designed, eco-friendly elevators that deliver a comfortable riding experience.



### Main Spec. of ultra high speed elevators

**Speed** 5m/sec ~ 18m/sec  
**Capacity** Over 17 persons / Over 1150 kg

#### <Core Technology>

- Eco-friendly green technology
  - Optimized permanent magnet synchronous motor (energy conservation)
  - Simplified control panel (space/material savings)
- Low-Noise/Low-Vibration operation
  - Streamlined cage
  - Active parallel vibration control system(\*)
- Impeccable safety device
  - Special design/special material safety device
  - Multi-step safety circuits
  - Dual brakes

### Main spec. of high speed/mid to low speed elevators

**Speed** 1) High speed : 3m/sec ~ 4m/sec  
2) Mid to low speed : 0.5m/sec ~ 2.5m/sec  
**Capacity** 6 ~ 24 persons /450~1600kg

#### <Core Technology>

- Eco-friendly green technology
  - Revolutionary energy conservation
  - Use of power regenerating inverter (LOWATT)
- Destination selecting system(\*)

Note: \* means optional.

## I Ultra - high speed Elevators I

This is the beginning of fast and comfortable space movement. Our ultra high speed elevator is a next generation elevator, utilizing high efficiency gearless traction machine with permanent magnet synchronous motor and high-precision control inverter operating system, and other proprietary high speed functions.

\* Received "A" class energy efficiency certificate from Tüv, German

## I High speed/mid - low speed Elevators I

We provide not only the traditional geared elevators, but more upscale elevators with gearless traction machine, allowing customers to select the appropriate elevator based on the size and usage of the building.



**HELIAS(Destination Selecting System)**  
Select the destination floor at any landing, and the optimal elevator car will be serviced, minimizing travel time and maximizing energy efficiency.



**Electronic Display System**  
The Electronic Display System (EDS) delivers real-time weather, news and other information through the LCD panel installed in the cars.



I Machine room-less Elevators I

The machine room-less elevator developed by Hyundai Elevator in 1999 was the first of its kind in the domestic elevator market, and allowed maximum space utilization, more freedom in skyline design, and reduced construction costs.

Main Spec. & Features

**Speed** 0.75~2.5m/sec  
**Capacity** 8~24 Persons / 550~1600kg

- Allows more flexibility in hoistway layouts, and building skyline design
- Reduced construction cost by eliminating the separate machine room.

<Core Technology>

- Eco-friendly green technology
  - Ultra-slim traction machine and control panel

I Marine Elevators I

Our marine elevators used in shipboard use - tankers, bulk carrier, containership, Ro- Ro, ferry and cruise liners have been recognized by worldwide quality certification organizations such as DNV, ABS, LR, GL, BV, NK, CCS, RINA and KR.

Main Spec. & Features

**Speed** 0.5, 0.75, 1, 1.6m/sec  
**Capacity** 350, 500, 800, 1000, 1200, 1500, 1700, 2000kg

- The fire, CO<sub>2</sub>, Halon alarm (optional) prevents passenger access to the engine room in case of fire or gas leakage.
- Fire proof landing doors (A0, A60 Fire class) are certified by marine authorities and classification societies such as DNV, ABS, LR, GL, BV, NK, KR, RINA, CCS and so on.
- Safety switches, emergency stop device, alarm against rolling and pitching.





Incheon International Airport



Incheon International Airport

I Escalators I

You can safely trust in Hyundai. We provide two precise escalators that are in perfect harmony with the surrounding space New World Class, suitable for hotel, department store, and office use; and our H-Series escalators, suitable for international airports, subway stations and major sporting facilities.

Escalators									
Model	New World Class (NW-BT,NW-BB)			H-series (HA-BT, HA-BB / HD-BT, HD-BB)					
Type	800	1000	1200	800	1000	1200	800	1000	1200
Vertical Rise H (mm)	2046~10500 (35°: 2046~6000)			10500~15000			15000~20000		
Inclination	30° / 35°			30°					
Power Supply	AC 3PH, 380V, 50/60HZ								
Rated Speed	30m/min								
Transport Capacity (persons/hr)	3600	4800	6000	3600	4800	6000	3600	4800	6000
Step Width(mm)	588/606	807	1008	588	807	1008	602	801	1001

I Moving Walkways I

Hyundai Elevator’s moving walkways are designed to reduce noise emission and provide a quiet and comfortable ambience, and have been widely recognized for their safety and reliability at venues such as the Incheon International Airport and other large scale transportation facilities. Also, with simplified maintenance and repair, and energy conservation capabilities, our escalators provide the highest level of comfort and satisfaction in horizontal movement.

Moving Walks		
Model	NPM-BT	
Type	1000	1200
Vertical Rise H (mm)	10000(0° )/7000(12° )	
Inclination	0° /12°	
Power Supply	AC 3PH, 380V, 50/60HZ	
Rated Speed	30m/min	
Operation System	Key Switch Reversible Operation(Optional : AutomaticOperation)	
Transport Capacity (persons/hr)	4800	6000





### Institutionalized technology helps us lead the domestic platform screen door market

Hyundai Elevator has used its elevator technology accumulated over the past 20 years to be the first domestic manufacturer to enter the platform screen door market. With institutionalized technology in the area of design, installation, repair and maintenance, Hyundai was the first domestic company to earn the ISO 9001 and 14001 certification in platform screen doors.

## We create a safer and comfortable living environment

Hyundai provides platform screen doors (PSD), auto-sliding canopy, and gap-zero for environments like subway and light rail platforms. PSD is an advanced safety device that blocks the platform area from the rail tunnel area through the installation of a fixed wall (screen) and a sliding door. When the electric rail car stops at the designated location, the signaling system directs the screen doors to open simultaneously with the car doors. Through the use of various signaling systems and state-of-the-art technologies, we ensure not just the safety of the passengers, but also protect the platform from train-induced wind, dust and debris, noise, while improve heating and cooling efficiency, thereby creating a comfortable subway rider experience.



>> Platform Screen Doors



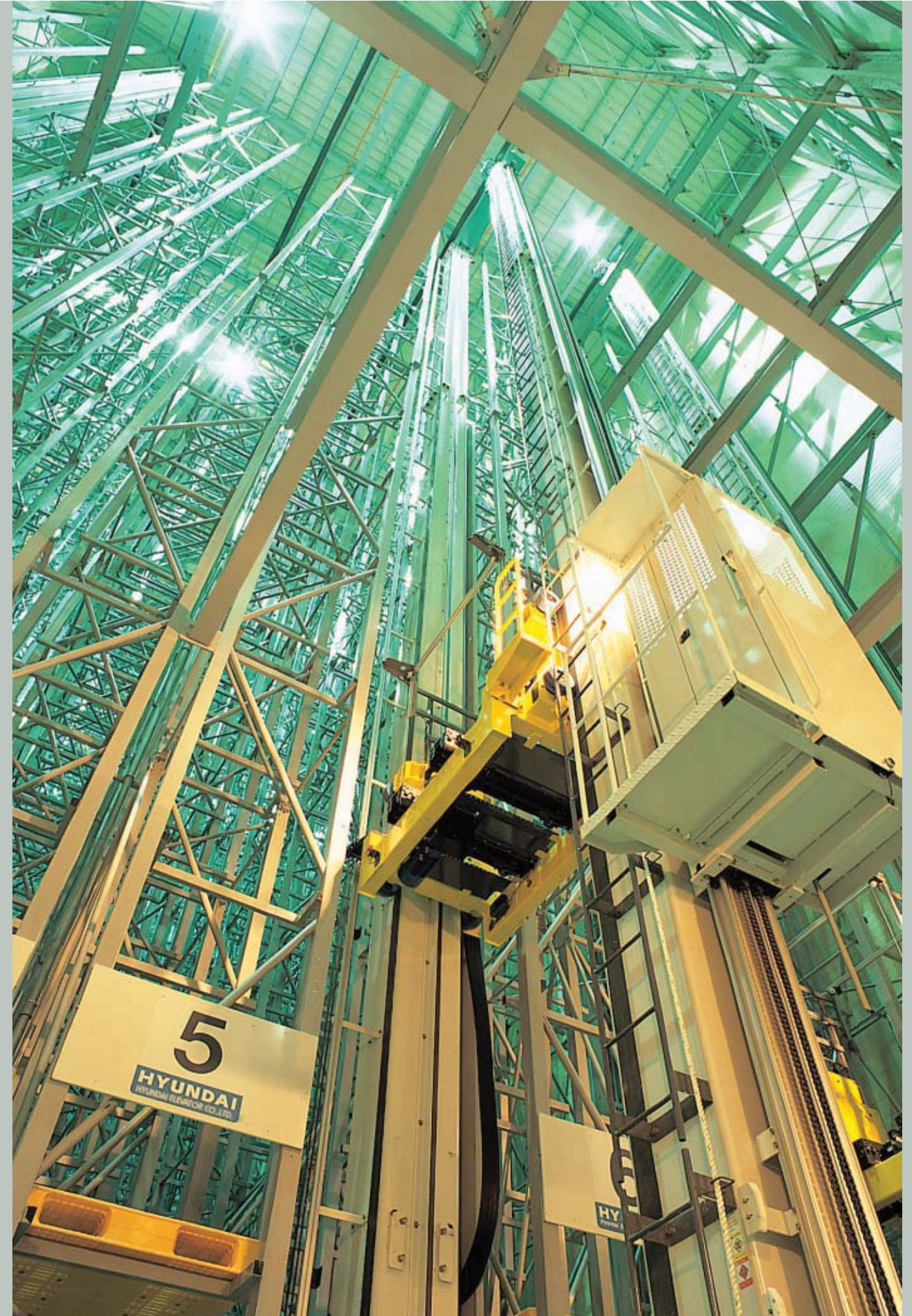
>> Auto-Sliding Canopy



>> Gap - Zero



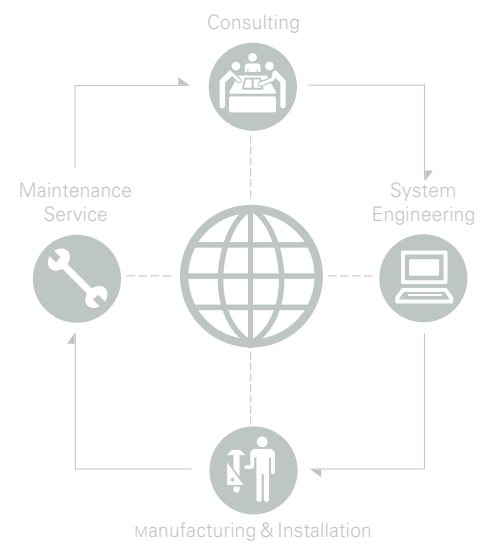




## Logistics is a measure of a firm's competitiveness

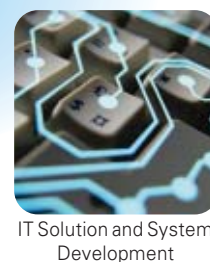
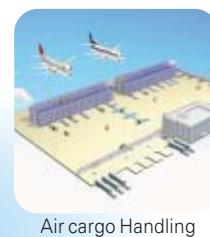
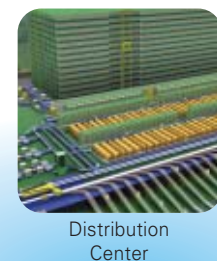
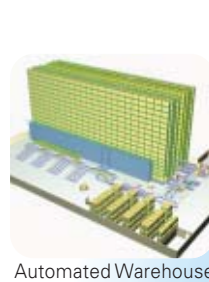
A firm's competitiveness begins with uninterrupted distribution of goods, i.e., it begins with logistics. With our years of experience in installation and engineering, Hyundai Elevator provides state-of-the-art automated material handling system and optimal automated material handling system. Using computer simulation analysis to optimize your automated material handling system, we help improve your corporate competitiveness.

### Project Process



We provide total engineering services, from consulting, system design, manufacturing/installation to maintenance and repair.

### Business Area



### Total Solutions

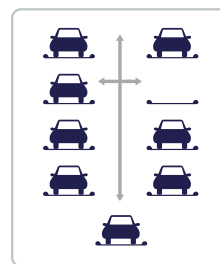




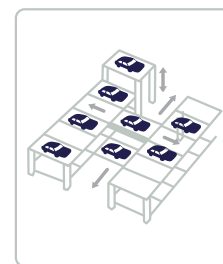
## Hyundai Elevator technology enhances the value of your building

Hyundai Elevator's parking facility system provides various types of parking facilities, including bicycle parking. Through the use of cutting edge technology, safety, and a customer service spirit, we provide efficiency in space movement. Experience a different level of parking space with Hyundai Elevator's parking facility system. The space efficiency of your building will increase, as will the prestige of your building.

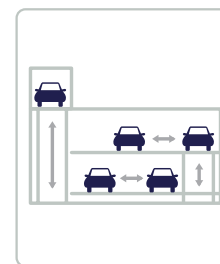
### Auto-Parking System for automobile



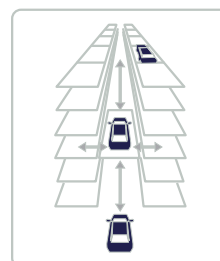
Elevator Type



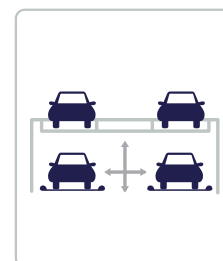
Cart Type



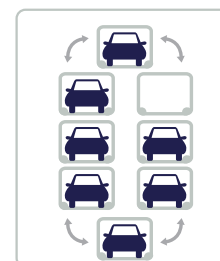
Multi-story Circulation Type



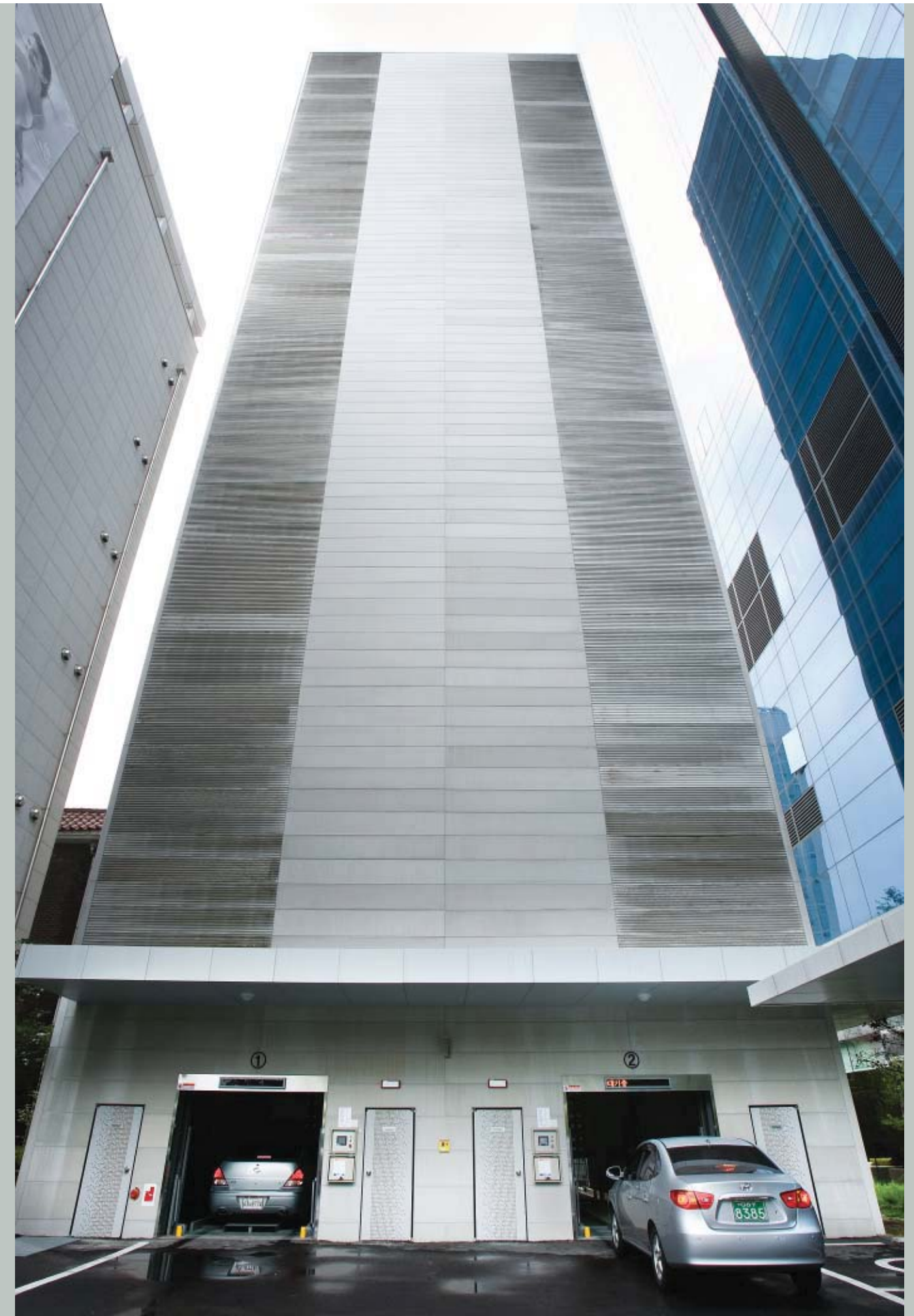
HIP (Hyundai Integrated Parking) system



Puzzle Type



Mini Rotary Type





## Customers will be moved by our ever enhanced quality

Hyundai Elevator understands that providing the highest level of quality is a service to our customers. All of us at Hyundai Elevator embrace Total Quality Management, and thrive to supply the appropriate product for each of our customers. Before any of our products are shipped, our quality experts undertake a stringent testing process using state-of-the-art testing equipment.

### Major List of Quality Certification

- ISO 9001 Quality Management System Certification
- ISO 14001 Environment Management System Certification
- Certified Welding Inspector (CWI)
- CE Certificate for 1 Unit Model of Escalator
- Korean Excellent Service Quality Company Certification
- Certificated urban railway goods quality certification in Platform Screen Doors
- Certificate of Qualified Elevator Safety Inspector (QEI) by National Association of Elevator Safety Authorities (NAESA), USA
- Certificate CE mark for material handling system from TÜV
- Certificate UL for the safety components of elevators/escalators
- Certificate CE mark for 600m/min traction machine
- "A" Class energy efficiency certificate (Tüv, German)



## Fast and accurate service is a promise to our customers

Our Customer Care Center operates 24 hours a day 365 days a year, and uses our state-of-the-art network to provide fast and accurate real-time service to our customers. We will not stop our efforts to ensure that our customers receive prompt and reliable service.

### Preventive "Before Service"

By proving preventive maintenance "Before Service", we guarantee a safe and comfortable riding experience.

### Nationwide Service Network

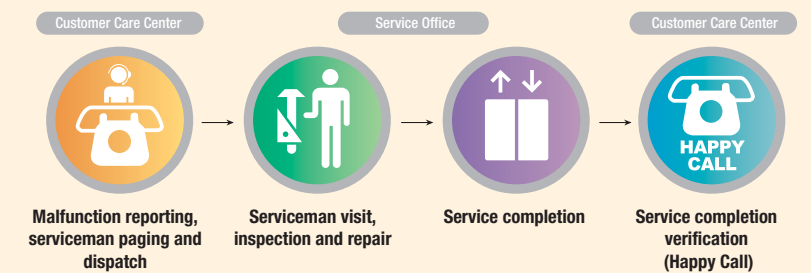
From our headquarters (Ichon at Gyeonggi-Do) to our nationwide service offices, we have an experienced staff standing by to ensure our customers with a quick response from a local office.

### Remote Monitoring System Optional

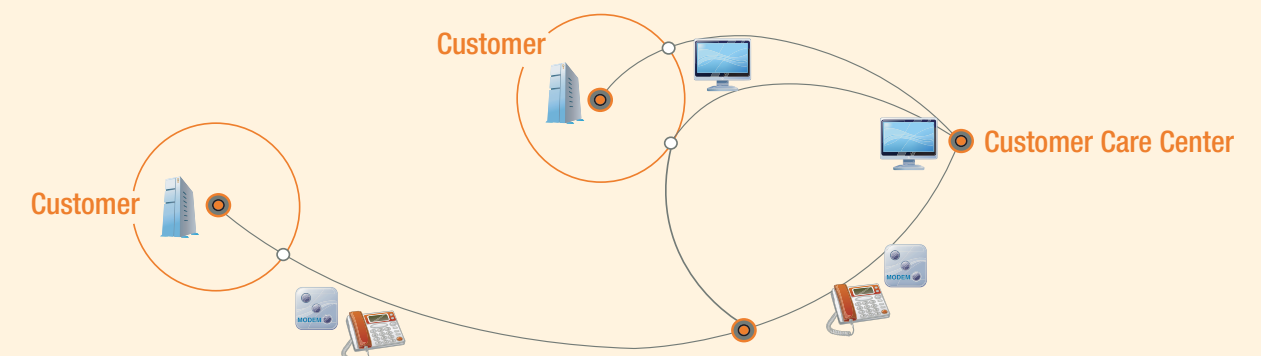
With a data collection panel installed in the elevator control panel, we can monitor the operating status of all domestic elevators 24/7.

### Digital Emergency Phone System Optional

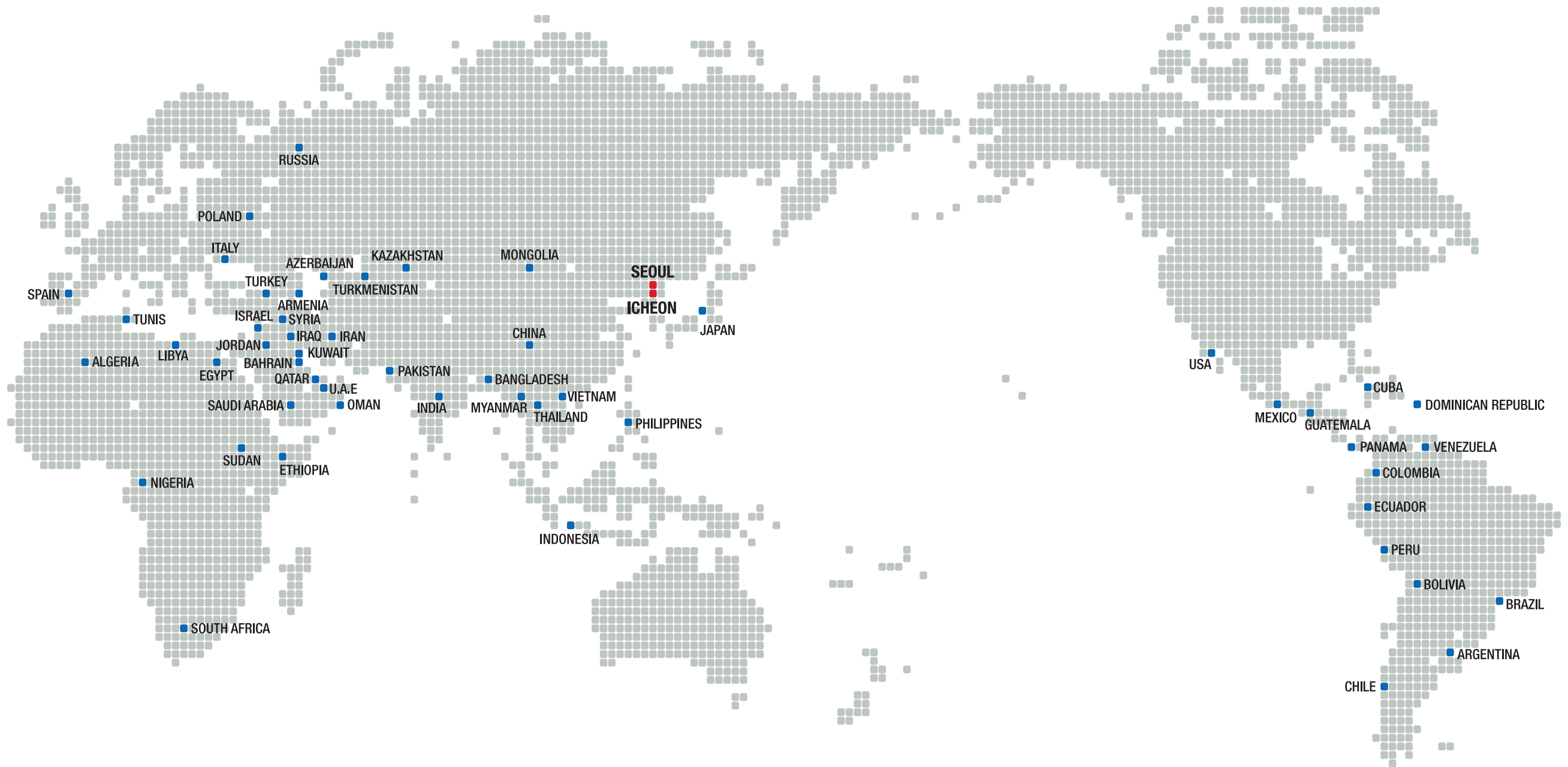
In case of an emergency when no building manager is on call, the emergency phone system will automatically dial pre-programmed telephone numbers in sequential order, minimizing passenger distress and allow a quicker response to the situation.



Elevator Remote Monitoring System Flow Chart



Anywhere in the world,  
You can find the advanced service of Hyundai Elevator



■ INTERNATIONAL SALES & SERVICE NETWORK

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<b>ARGENTINA</b> Tel : 5411-3220-2878	<b>BRAZIL</b> Tel : 55-81-3271-6272 Tel : 55-11-9981-0381	<b>ECUADOR</b> Tel : 593-2-254-2831 Fax : 593-2-255-3761	<b>INDONESIA</b> Tel : 62-21-631-8444 Fax : 62-21-632-6288	<b>JORDAN</b> Tel : 962-79-5526-713 Fax : 962-6-5699-014	<b>MYANMAR</b> Tel : 951-521080 ~ 83 Fax : 951-521080 ~ 83	<b>PHILIPPINES</b> Tel : 632-716-0905 Fax : 632-714-8896	<b>SPAIN</b> Tel : 34-933-779-200 Fax : 34-933-779-401	<b>TURKMENISTAN</b> Tel : 993-12-95-0333 Fax : 993-12-95-0330	<b>VIETNAM</b> Tel : 84-4-3572-4588 Fax : 84-4-3572-4699
<b>ARMENIA</b> Tel : 971-4-440-49-27 Fax : 971-4-440-49-26	<b>CHILE</b> Tel : 562-263-53394	<b>EGYPT</b> Tel : 20-2-25050874 Fax : 0020-2-25078503	<b>IRAN</b> Tel : 98-21-8869-8727 ~ 36 Fax : 98-21-8855-3741	<b>KAZAKHSTAN</b> Tel : 7-727-244-0555 Fax : 7-727-267-6456	<b>NIGERIA</b> Tel : 234-803-7352222 Fax : 0703-4444400	<b>POLAND</b> Tel : 48-61-820-85-51 Fax : 48-61-820-85-52	<b>SYRIA</b> Tel : 963-114-419199 Fax : 963-114-469-8666	<b>USA</b> Tel : 1-562-404-1909 Fax : 1-562-404-1902	
<b>AZERBAIJAN</b> Tel : 994-12-418-0106 Fax : 994-12-567-18-77	<b>CHINA</b> Tel : 86-21-6485-8600 Fax : 86-21-6485-3511	<b>ETHIOPIA</b> Tel : 251-911-851313 Fax : 251-118-605051	<b>IRAQ</b> Tel : 964-770-588-0555	<b>KUWAIT</b> Tel : 965-2245-7925 Fax : 965-2242-3510	<b>OMAN</b> Tel : 968-9286-4334 Fax : 968-2449-9307	<b>QATAR</b> Tel : 974-4436-6687 Fax : 974-4436-6689	<b>THAILAND</b> Tel : 66-2348-8000 Fax : 66-2249-8483	<b>U.A.E. Abu Dhabi</b> Tel : 971-2-671-1779 Fax : 971-2-443-8822	
<b>BAHRAIN</b> Tel : 973-17-702-468 Fax : 973-17-702-643	<b>COLOMBIA</b> Tel : 57-4-444-9297	<b>GUATEMALA</b> Tel : 502-2388-0000 Fax : 502-2388-0044	<b>ISRAEL</b> Tel : 972-3-963-0000 Fax : 972-3-9630050	<b>LIBYA</b> Tel : 218-91-735-0745 Fax : 201-00-354-4237	<b>PAKISTAN</b> Tel : 92-21-3432-0601 Fax : 92-21-3432-0617	<b>RUSSIA</b> Tel : 7-495-514-00-32 Fax : 7-495-258-04-18	<b>TUNIS</b> Tel : 216-70-853-231 Fax : 216-71-754-361	<b>Dubai</b> Tel : 971-4-294-4475 Fax : 971-4-294-4476	
<b>BANGLADESH</b> Tel : 880-1711-533047 Fax : 880-2-9884392	<b>CUBA</b> Tel : 537-699-3460 Fax : 537-699-3412		<b>ITALY</b> Tel : 39-0464-485-333 Fax : 39-0464-485-334	<b>MEXICO</b> Tel : 52-55-56635246 Fax : 52-55-5663-2982	<b>PANAMA</b> Tel : 507-230-3166 Fax : 507-230-3187	<b>SAUDI ARABIA</b> Tel : 966-2-652-9000 Fax : 966-2-652-9090			





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[www.hyundaelevator.co.kr](http://www.hyundaelevator.co.kr)

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