# **HYUNDAI ELEVATOR**

COMPANY PROFILE



## From mobility technology to a partner in life

Elevators and escalators that connect spaces and people-

Material handling systems, parking systems, and platform screen doors (PSDs) that establish corporate competitiveness and social infrastructure quickly, conveniently, and effectively.

When we realize technology that is even more special, your life becomes special and more enriched.

Beyond the implementation of advanced technology, Hyundai Elevator will be always with you as a reliable partner.

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Financial Solutions

# When Hyundai moves, the world moves.

In a rapidly changing domestic and global management environment,











Infrastructure Solutions



## **Group Vision**

### Management Philosophy

Management Vision





## Integrated Material Handling Solutions





Service Solutions



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Take a leap into the world with high technology

# Global Top Technology

Hyundai Elevator has the world's best technology.

By continuously challenging ourselves to develop new technology with excellent human resources and industrial–educational cooperation, Hyundai Elevator has received much recognition for our world–class technology in various fields. More than just a Korean company, Hyundai Elevator is leaping forward to become one of the world's leading companies based on our technological prowess and the extensive experience that we have accumulated domestically and internationally.





Take a leap into the world with high technology

# Global No.1

## World-class elevator technology

In 2010, Hyundai Elevator independently developed THE EL 18, the fastest ultra—high speed elevator in the world with a maximum speed of 18 meters per second, with our own technology. This world—class elevator can travel a distance of up to 600 meters (more than 150 floors). With a 9—phase synchronous motor drive system, pressure control system, and special safety devices applied, it is recognized for its outstanding performance in terms of safety and quality.



No. 1 on the Korea Brand Power Index (K-BPI)!

## Quality and safety certified by the world

Hyundai Elevator has received much recognition for its technological skills as it holds an accredited ISO 9001 Quality Management System certification issued by DNV GL for all products from elevators (elevators, escalators, and moving walkways), parking systems, and material handling systems to platform screen doors (PSDs). We also secured international credibility in the safety sector by obtaining the international occupational health and safety management system specification, "OHSAS 18001".



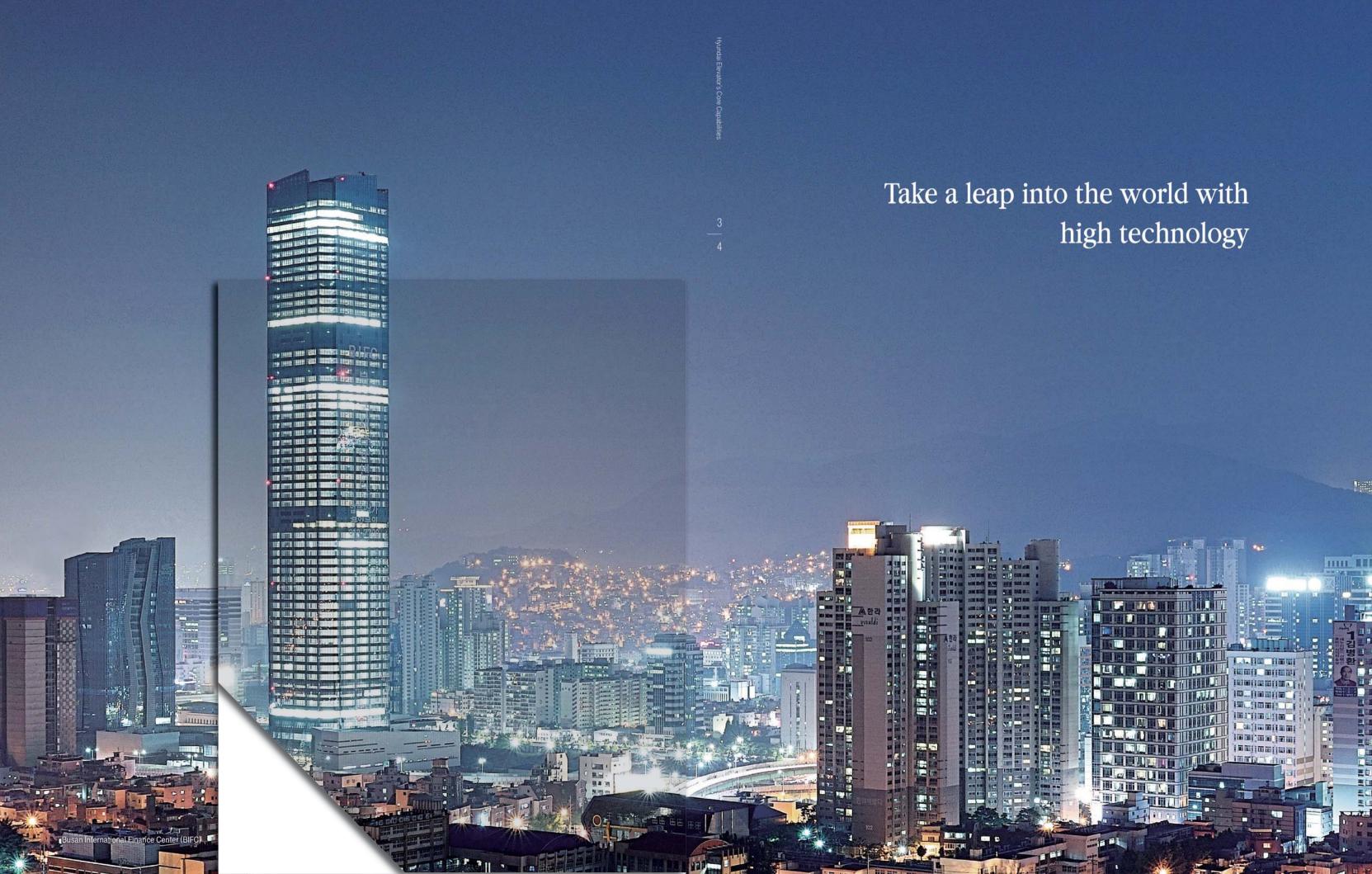
ISO 9001 Quality System Certification



OHSAS 18001:2007 Safety System Certification mm III

ISO 9001 OHSAS 18001

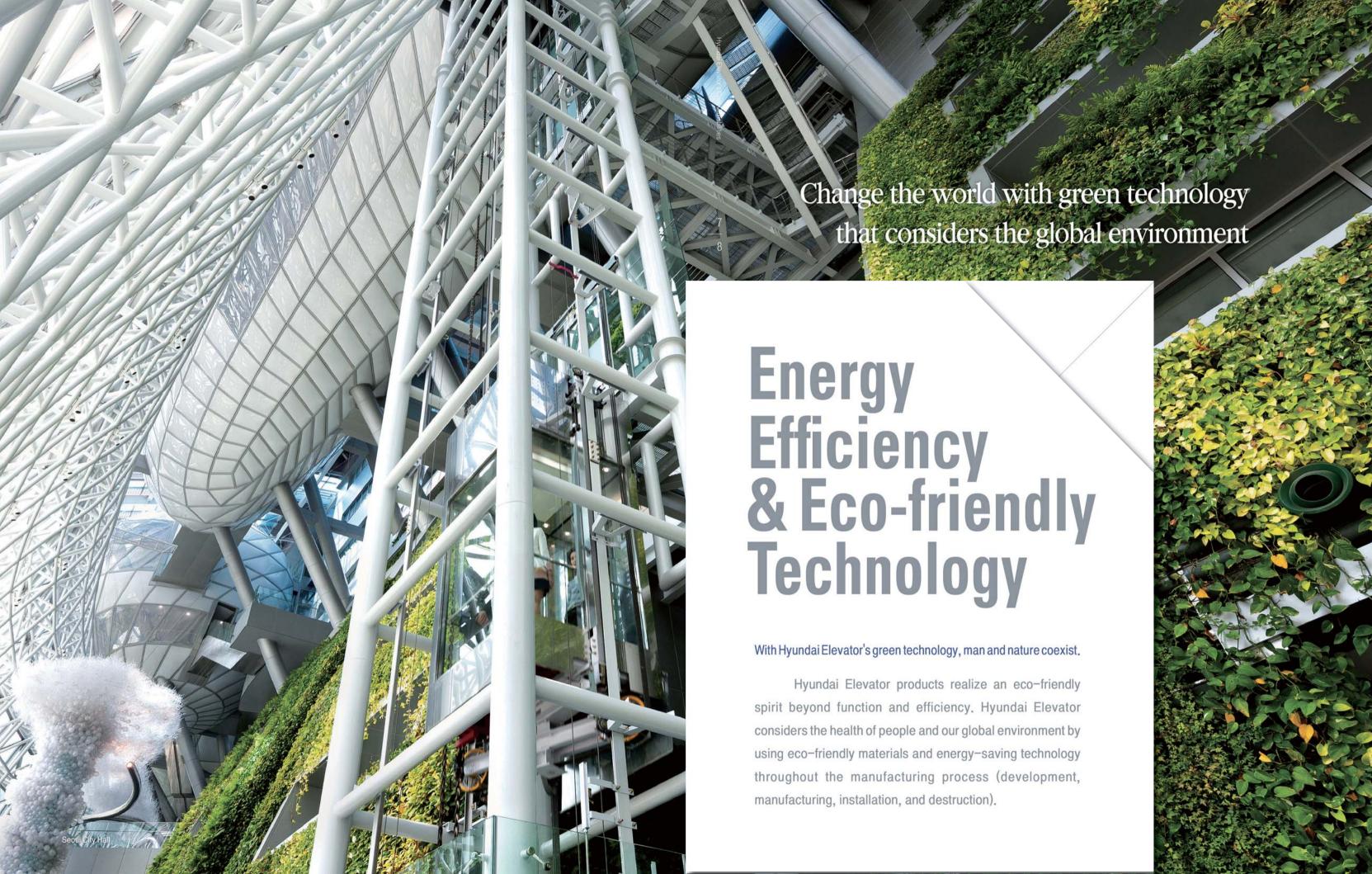
















# Design the future with a passion for the best in the world

#### Company Overview

Established: May 23, 1984

Domestic business sites: Head office in Icheon, Gyeonggi-do, Seoul Office, and 12 other regional branches

Current status of overseas companies and branches: China (Shanghai), Brazil, Malaysia, Indonesia, India, and Vietnam

#### **Business Fields**

Elevator Division : Elevators, escalators, and moving walkways

S/S Division (System Solutions)

systems, parking equipment (automobiles & bikes), auto-sliding canopies, Gap Zero as

Service Division : Elevators, material handling systems, parking

#### **Current Status of Business Sites**



## (Icheon, Gyeonggi-do, Korea)

- -(1st, 2nd, 3rd factories) 46,484 m² of
- Producing elevators, material handling systems, parking systems, platform screen doors (PSDs), etc.



## (Yeonji-dong, Jongno-gu, Seoul, Korea) (Shanghai, China)

- Domestic Elevator Business Unit Overseas Business Unit, System Division, Planning & Finance Division



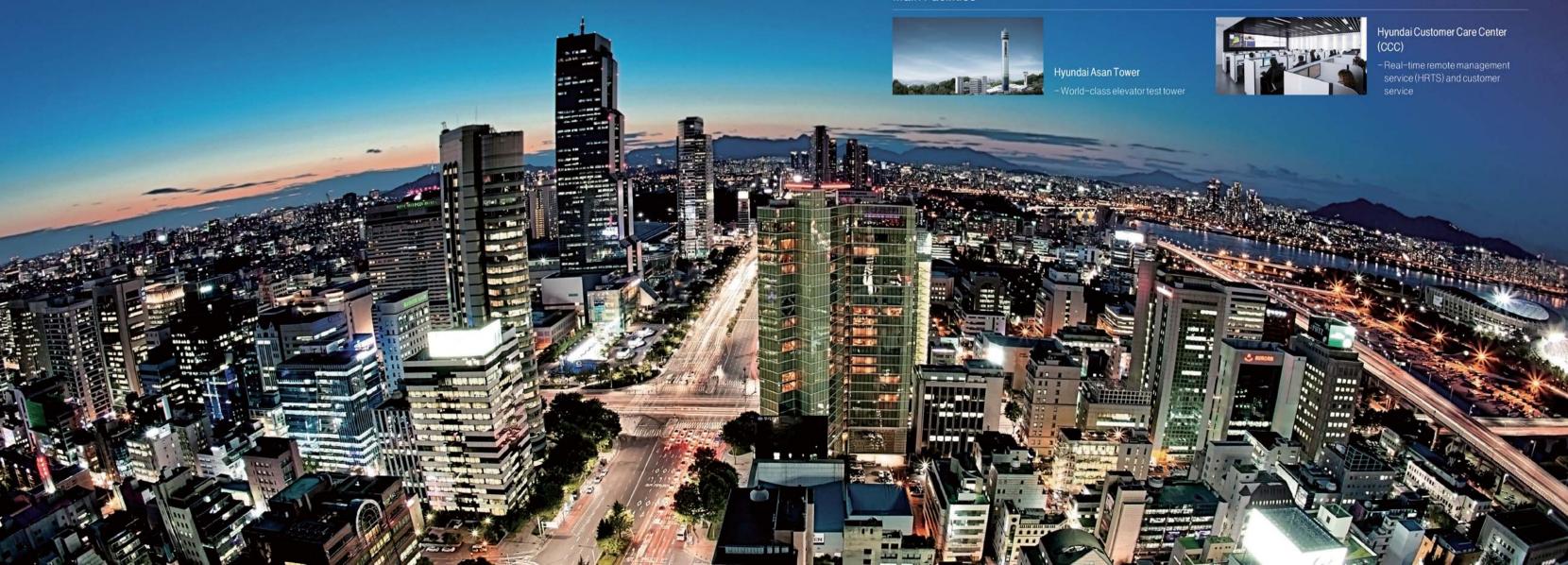
- Producing elevators and escalators



#### Factory in Brazil (São Leopoldo, Brazil)

- 13,337 m² of advanced facilities

#### Main Facilities





## Hyundai Asan Tower

Completed in April 2009 as the world's tallest elevator test tower, the Hyundai Asan Tower is the cradle of new elevator technology development where the product safety and reliability can be thoroughly verified in an environment most similar to high-rise buildings.

#### Size

A world-class elevator test tower that is 205.2 meters above ground level and 15 meters below ground level for a total height of 4,351 m<sup>2</sup>

#### Composition

- -Chung Mong-hun R&D Center: Noise and Vibration Laboratory, Load Laboratory, Public Relations Gallery, Material Handling Systems (MHS) Gallery, Auto-Parking Systems (APS) Gallery, Elevator Design Show Room
- -Conference Room
- -Elevator Machine Room
- -Sky Lounge

#### Installed Elevator

THE EL18, an ultra-high speed elevator

The world's fastest elevator that can travel up to 18 mps

THE EL Duo, a double-deck elevator

An elevator with two cars vertically attached together with transport capacity improved up to 1.8 times more than single-deck elevator.

An observation elevator with speeds of 7 mps

The world's fastest elevator for observation

A shuttle elevator that indicates areas

A product where technology and emotions meet by indicating private areas through floor lighting

An elevator with handwriting-enabled OPB

An elevator with the latest IT method applied where passengers directly input the floor they want to move to by writing the floor number.



## **History & Performance**



Busan International Finance Center (BIFC) (66 floors) Busan, Korea

Speed: 10mps(2 units) 9mps(3 units) 8mps(8 units) No. of units: 46 units

Integrated Government Building of Venezuela (56 floors) Caracas, Venezuela

Speed: 8mps(2 units) 7mps(5 units) 6mps(4 units) No. of units: 22 units



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Lerthai Center (33 floors) Shijiazhuang, China

Speed: 6mps(4 units) 3.5mps(4 units) 3mps(2 units) No. of units: 10 units



Iset Tower (30 floors) Yekaterinburg, Russia

Speed: 6mps(2 units) 3.5mps(1 unit) No. of units: 6 units



F&F Tower (55 floors) Panama City, Panama

Speed: 4mps No. of units: 5 units

Hotel Le Meridien (58 floors) Istanbul, Turkey

Speed: 4mps(7 units) 3.5mps(5 units) No. of units: 53 units





G-Tower in Songdo (33 floors) Icheon, Korea

Speed: 6mps(2 units) No. of units: 18 units

#### Foundation & Jump

- 1984 Company was established.
- 1993 Founded an overseas company in China.
- 1995 Awarded Grand Prize for Customer Satisfaction and Management Innovation.
- 1996 Listed on the Korea Stock Exchange (KRX).
- 1998 Obtained ISO 9001 & 14001 Integrated Management System certifications from DNV in the fields of elevators, parking systems, and material handling systems.
- 1999 Obtained CE marks from the DNV for all escalators.

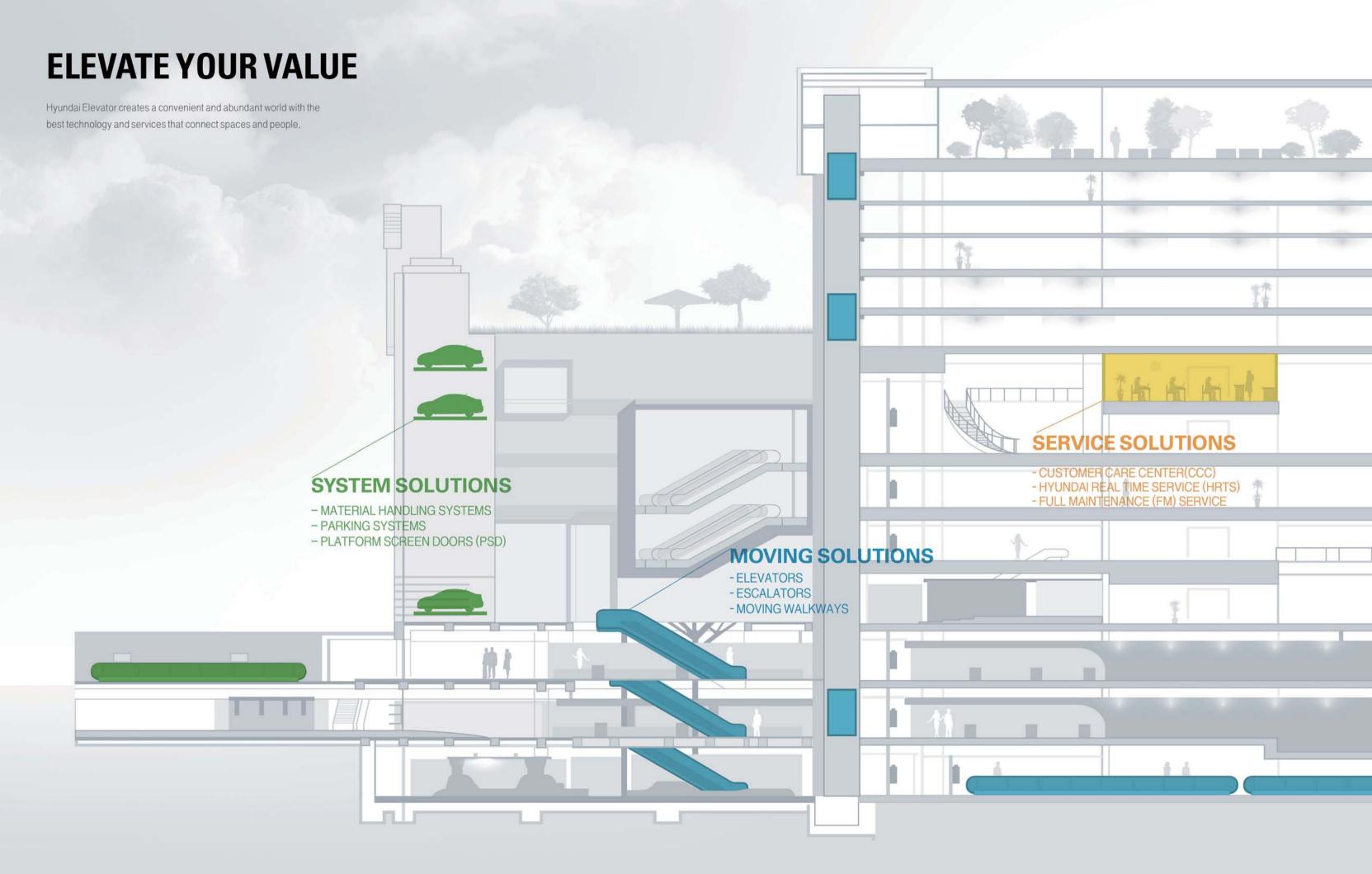
#### **Growth & Development**

- 2002 Obtained CE marks from DNV for all elevators.
- 2003 Installed platform screen doors (PSDs) for the first time in Korea.
- 2004 Obtained ISO 9001 & 14001 certifications from DNV in the field of
- 2005 Awarded Grand Prize for Respected Company and Businessman.
- 2006 Selected as an excellent company in labor-management culture.
- 2007 Selected by the Ministry of Trade, Industry, and Energy for 10 consecutive years as the most outstanding company in terms of quality competitiveness.
- 2008 Founded an overseas company in Indonesia.

#### **Becoming the World's Best**

- 2009 Founded an overseas company in India.
  - Completed the elevator test tower, Hyundai Asan Tower (205 meters). Developed and installed the world's fastest observation elevator with a speed of 7 mps.
- 2010 Developed and installed the world's fastest elevator with a speed of 18 mps, 2014 Founded an overseas company in Vietnam, / Completed the factory in Brazil, Developed and installed the world's fastest double-deck elevator with a speed of 10 mps.
- 2012 Obtained OHSAS 18001 (Occupational Health & Safety Assessment Series)
- and GMS (Green Management System) from DNV.
  - Awarded the iF product design award for 2012 by the International Forum Design Awards for the Destination Control System.

- Obtained UL marks for the internationally certified safety standards for the U.S. and Canada.
- 2013 Founded an overseas company in Brazil.
  - Founded an overseas company in Malaysia.
  - Installed Korea's fastest elevators capable of ultra-high speeds of 10 mps (at the Busan International Finance Center).
- Received Germany's Class "A" elevator energy efficiency certificate from TÜV. 2015 Installed and started operating Korea's first double-deck elevators (at the LG U+ building in Yongsan).
  - No. 1 on the 2015 Korea Brand Power Index (K-BPI) in the elevator industry (Korean Management Association Consulting).





## **Elevators**



#### Ultra-high speed for passengers

THE EL 1080\_The world's first ultra-high speed elevator that provides premium value with speed, and performance responding to the world's highest building.

THE EL Duo\_A world-class double-deck system with two vertically attached cars that can be operated at the same time.

#### High speed for passengers

i-XEL\_A new concept elevator that realizes ride comfort and a high degree of safety by having a highly efficient permanent magnet synchronous motor, a gearless traction machine, and a high–precision control inverter driving system.

#### Mid-to-low speed for passengers

**LUXEN\_** An economical and eco-friendly product that gives ride comfort by applying an advanced gearless synchronous traction machine.

YZER\_ An elevator with no machine room that allows a free layout for the hoistways and free design for the building skylines.

#### Special elevators

Observation elevators\_Provides an open, unhampered view with transparent glass on the elevator walls.

**Hospital elevators**\_ Supports effective medical services with a comfortable ride and special features for the safety of the patients.

 $\textbf{Freight \& car elevators}\_ Provides \ speed \ and \ safety \ for \ users \ and \ a \ variety \ of \ features \ for \ building \ owners.$ 

Marine elevators\_ Provides world-class quality and availability for cruise ships, oil tankers, container ships, and various types of ships.

## **Escalators**



**New World Class\_** An escalator with an elegant and compact design for an effective building space.

Millennium\_ A product that minimizes vibrations, provides great ride comfort, and is suitable for shopping centers, hotels, and office buildings.

H-Series\_ A high-performance and high-functioning escalator suitable for medium to large, high-quality building structures with a floor height of 10.5 to 15 meters.

Modular\_ A product suitable for large high-rise buildings that adopt a modular method by adding actuators depending on the increase in height.

# Moving walkways



They have been verified for safety and reliability in large transportation and traffic facilities such as international airports and subway stations.

Responded to customers' requests with a variety of shapes including horizontal, inclined, and compact moving walkways.









## **Material handling** systems



### **Business Scope**

- Automated Storage and Retrieval Systems
- Logistics Center
- Automated Cold Storage
- Air Cargo Systems
- In-Process Automation Systems
- Hospital Automation Equipment
- Implementation of IT Consulting and Systems
  Robots for Logistics

#### Main Supply Equipment

- Stacker cranes
- Robotic transfer vehicles (RTV)
- Electrical monorail systems (EMS)
- LGV & AGV
- Pneumatic tube equipment
- Lifters
- Conveyors
- Cross belt sorters
- Slide shoe sorters
- Steel belt sorters
- Map Carts

## **Parking systems**



#### Car Parking Systems

- Elevator Type
- Cart Type
- Multiple Level Circulation Type
- Integrated Parking Systems
- Dual/Multi Level Type

#### Bike Parking Systems

- Rotating Elevator Type
- Sliding Elevator Type

## **Platform** screen doors



#### Platform Screen Doors (PSD)

A safety door system that blocks the subway tracks and platform

■ Full-closed / Semi-closed type / Half height type

#### Gap Zero (Gap Zero)

A safety floor board between the platform and the train door

## Auto-sliding Canopy

An automatic sliding canopy that operates when it rains or snows











**Customer Care** Center

Hyundai CCC, advanced customer care center



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Service Character ELE-COP

Hyundai Customer Care Center (CCC) is an advanced customer care center equipped with geographic information systems (GIS) that operates 24 hours a day, 365 days a year with its consultants and Hyundai Real Time Service (HRTS)-dedicated agents. The Center receives and handles calls when the elevators, material handling systems, and parking systems breakdown. They counsel customers and rapidly and accurate responds to questions about sales.

#### Hyundai Real Time Service (HRTS)

Hyundai Real Time Service (HRTS) is a premium management service that monitors the operating state of elevators nationwide through the Internet in real time 24 hours a day, 365 days a year. It also prevents failures in advance and shortens the failure-processing time through remote safety checks and failure processing.

#### Full Maintenance (FM) Service

As the most economical and most effective elevator maintenance service that increases the value of buildings, Hyundai Elevator is responsible for all services including comprehensive diagnoses, preventive inspections, parts replacement, and repairs to ensure the elevator equipment is being operated and maintained properly.







Hyundai Elevator's real value starts with managing sustainability.

# **SUSTAINABILITY** MANAGEMENT



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#### Compliance

For the sustainable growth of the company, Hyundai Elevator works hard to prevent any risk of legal violations that can happen during the course of normal business operations.

- Operation of training programs: All employees receive compliance training at least once a year.
- Designation of self-compliance manager through a relevant committee or council
- Regular inspection on compliance: Potential non-compliance risks in the business process are identified and prevented in advance.
- Hyundai Elevator obtained an AA grade for the compliance evaluation carried out by the Korean Fair Trade Commission in 2016 (first time for an elevator company).

#### Management for Sharing

With our slogan, 'a company grows with sharing', we are pursuing sustainable growth as socially responsible citizens by sharing the benefits we've received from society.

- Volunteer activities to show our love and share: Put these social contributions into action respects fair competition and the order of a free in real life through a variety of activities by donating a small portion of employees' salaries which will be matched by the company', and voluntary service for free meals.
- Social contribution activities with industry characteristics: Staying true to the image of the company and contributing to create the world together with others through activities that include free precision inspection services regardless of the manufacturer, campaigns for riding the elevator properly, elevator rescue training for 119 rescue workers, and a field trip for welfare organizations to industrial facilities, etc.

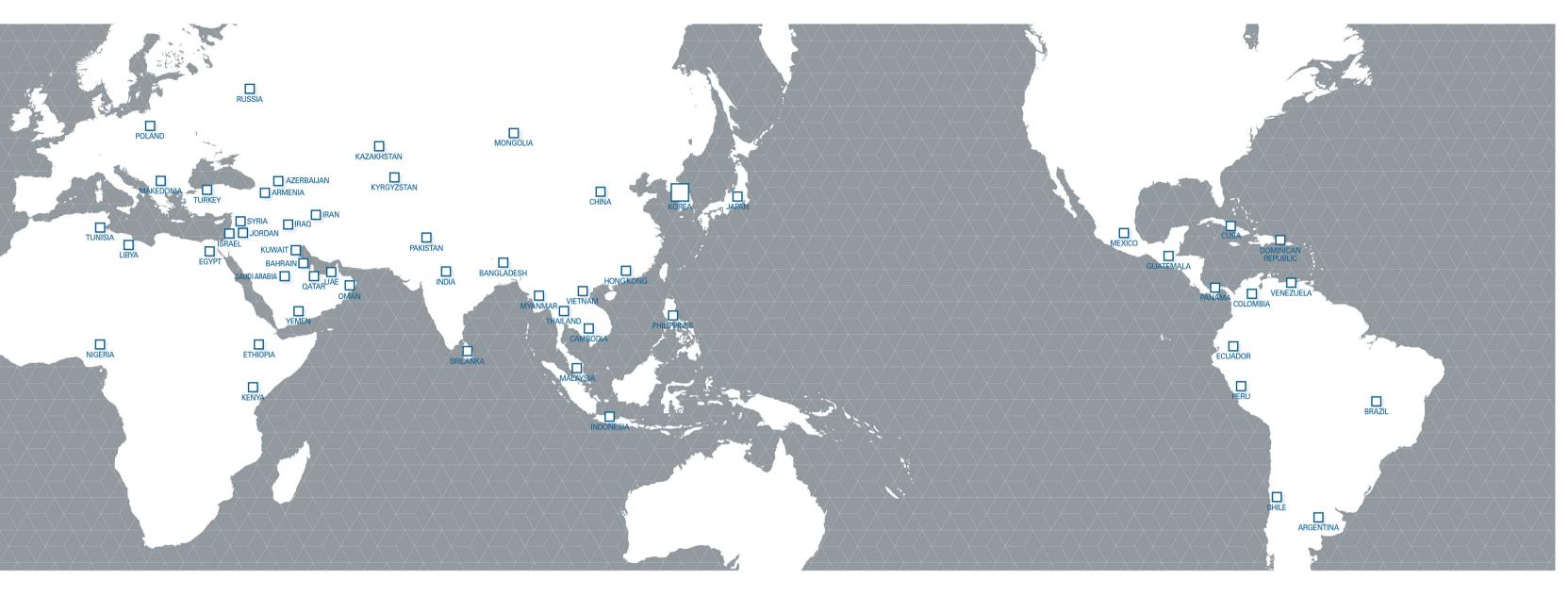
## **Ethics Management**

Hyundai Elevator aims to be a trusted company that competitive market, and fulfills social requirements.

- Institution and operating system for practicing ethics management:

Cyber ombudsman, ethics management self-diagnosis, pledge of compliance, compliance officer system, fair trade compliance program, and training on the practice of ethics management





# **GLOBAL NETWORK**

You can meet Hyundai Elevator at landmarks in major cities all around the world.

#### Head Office and Factories

2091, Gyeongchung-daero, Bubal-eup, Icheon-si, Gyeonggi-do, Korea

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#### Overseas Factories

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[Brazil] Avenida Atalíbio Taurino de Resende, 4001, Arroio da Manteiga, City of São Leopoldo, State of Rio Grande do Sul, Brazil

#### Overseas Companies

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