



Accredited with ISO 9001,  
an industry first in Korea



Accredited with ISO 14001,  
an industry first in Korea



Accredited with  
OHSAS 18001 Certification



Accredited with Korea  
Service Quality Business  
Certification



Approved for CE Marking for  
all areas of elevator,  
an industry first in Korea



Selected for GD  
[Good Design]



Accredited with KC  
(Korea Certification)  
for elevator safety



www.hyundaielevator.com

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TOTAL SOLUTIONS  
FOR CRUISE



# Technology That Makes Each Moment Onboard an Unforgettable Experience

## Total solutions for cruise

A relaxing cruise vacation away from the hustle and bustle of everyday life is a longed-for experience for all travelers. This is why we strive to make each moment onboard even more precious by providing only top-quality products perfected with advanced technology.

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# WHY HYUNDAI ELEVATOR?



As it is more important for everything to operate perfectly when out at sea, we make it a rule to provide products that ensure the efficient and safe transportation of both people and cargo onboard as a reliable partner.



## Total Moving Solution Provider

Hyundai Elevator is a transportation equipment supplier that offers comprehensive service from the design of elevators, escalators, and moving walkways to their manufacturing, installation and maintenance. We were founded in 1984 and have been retaining the largest market share in Korea over the past 11 years. Our technological prowess and expertise are globally recognized and have elevated us to new heights. We have been supplying elevators and escalators for large vessels (oil tankers, bulk/ore carrier, container ships, offshore plants, and passenger ships) since 1986. Our products have an impeccable reputation among major classification societies such as DNVGL to LR, ABS, BV, KR, and CCS.

### No.1



- Ranked 1st in market share in the Korean elevator market for 11 consecutive years
- Ranked 1st in market share in the global marine elevator market
- Equipped with high-caliber installation and design experts
- Recorded the lowest accident rate in the industry

### All in One



Lead time minimized by establishing an enterprise-wide system dealing with in-house designing, purchasing, manufacturing, and quality control.

### Global Network



Maintenance service promptly provided at major ports around the world through our global service network

### Eco-friendly



Eco-friendly and efficient management achieved as evidenced by reaching Class A on the energy efficiency scale (certification of Germany's TÜV SÜD attained)

Solutions for Cruise Ships

# Total Solutions



We provide total transportation solutions, from elevators to escalators, for cruise ships. We offer a wide range of products for different purposes and ship types.



### 1. Passenger Elevator

Elevators for accommodating passengers are focused on ensuring ride comfort and creating an ambience that matches the luxurious interior of a cruise ship. Different options and features can also be selected to cater to the individual needs of customers (group car control, destination selection, information screen, etc.).



### 2. Panoramic/Scenic Elevator

Car walls are installed with transparent safety windows so that passengers can enjoy a panoramic view from the elevator. All windows employ condensation-prevention double-glazed glass for safety and easy maintenance.



### 3. Service Elevator

Large service elevators for transporting luggage, goods and foods are designed to comply with the standards of the United States Public Health Service (USPHS) and to guarantee durability and safety.



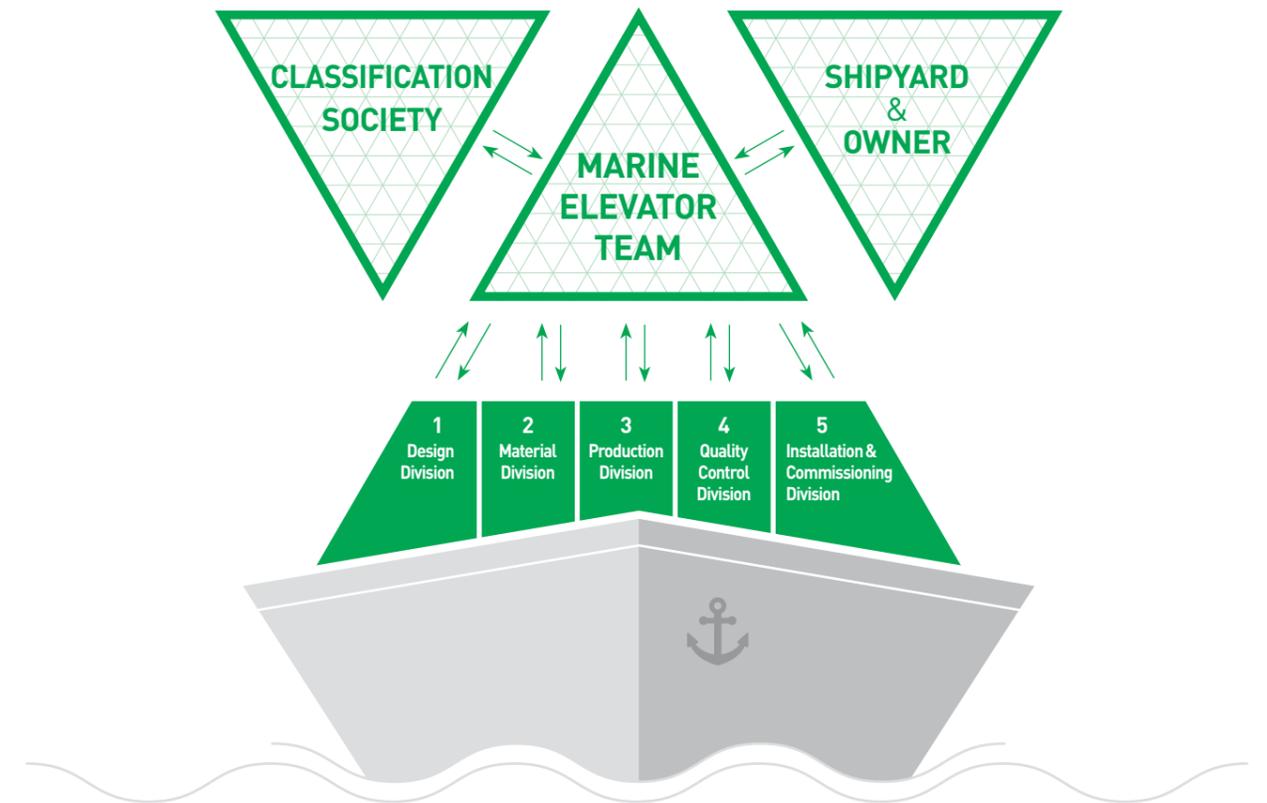
### 4. Passenger Escalator

Our escalators that help people conveniently move around cruise ships are designed to comply with EN115, the EU guidelines in assessing the safety of escalators. Different features can be selected to ensure efficient maintenance and energy saving.

Our Experts Specializing in Cruise Ship Elevators

# Professional Team

We operate a team of experts specializing in cruise ship elevators. The team offers elevator design options optimized for each customer.



### 1. Design Division

The Design Division takes charge of all designs from basic designs to production designs based on consistent standards and reflects the needs of shipowners and shipyards in each step.

### 2. Material Division

The Material Division procures and delivers the quality materials required by each design in a timely manner.

### 3. Production Division

The Production Division creates the best quality products in a safe, secure workplace.

### 4. Quality Control Division

The Quality Control Division assesses each product and controls quality based on international standards and the rules of classification societies.

### 5. Installation & Commissioning Division

The Installation & Commissioning Division conducts the installation and inspection of installed products at shipyards and promptly responds to the requests of shipowners, shipyards, and classification societies.



# CRUISE ELEVATORS

## **RIDE COMFORT**

Ride comfort at sea ensured by minimizing vibrations

## **ENERGY EFFICIENCY**

Eco-friendly technology maximizing energy efficiency

## **OPTIMIZED FOR CRUISE SHIPS**

Luxurious interior designs ideal for cruise ships

## **EFFICIENT MAINTENANCE**

Remote management possible 24 hours a day for more convenient and efficient maintenance

# Technology

Experience our cutting-edge technology that ensures efficient and reliable people-moving service out at sea.

## High-Efficiency Gearless Synchronous Traction Machine



### Maximum Ride Comfort

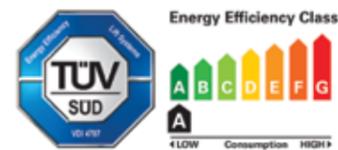
The key to the production of vessel elevators is the technology to minimize vibrations transmitted from the body of the ship. Our gearless synchronous traction machine ensures smoother ride quality by dramatically reducing noise and vibration. In addition, the vibration-proof traction machine base works to prevent even the smallest vibrations.

### Energy Saving

Our gearless synchronous traction machine employs the synchronous traction motor using a permanent magnet, thereby reducing energy consumption by 25% compared to an induction motor.

### Eco-friendly Technology and Convenient Maintenance

Our gearless synchronous traction machine is eco-friendly as it does not require any gear oil. It adds to convenience in maintenance and reduction of management costs.



### Rated Class A on Germany's Elevator Energy Efficiency Scale

Our major products were rated Class A (the highest rating) by TÜV SÜD, a certification provider of Germany, on the energy efficiency scale set by Verein Deutscher Ingenieure (VDI), the largest engineering association in Western Europe.



### VDI 4707 Part1

VDI 4707 Part1 is a set of guidelines for the assessment and rating of elevators. International certification is provided by taking into consideration capacity, speed, interval, energy consumption in service, and average distance in service. Elevators are rated in terms of a set of seven energy efficiency classes from A (most efficient) to G (least efficient).

## Power Regenerative Inverter System That Reuses Energy



### Up to 60% Energy Saved

Energy generated from the operation of elevators is reused to minimize energy consumption and save up to 60% of energy when elevators are in service (energy efficiency improved by 77.5%).

### Heating Value of the Machine Room Decreased

Energy generated from the operation of elevators is converted into renewable energy instead of heat, and thus the heating value of the machine room is dramatically decreased.

## Remote Monitoring and Control System (RMCS)



The remote elevator control panel is mounted with a terminal for collecting operating data and thereby allows remote monitoring of the operation of elevators in real time 24 hours a day via TCP/IP (LAN). This system also enables the direct operation and control of elevators for the first time in the industry.

# Portfolio

A wide range of cruise lines has shown full satisfaction with our advanced quality and services. Add greater value to your cruise line with our state-of-the-art technology.



## AIDA Prima / AIDA Perla

### SHIP FACTS

Type: Hyperion Class  
 Tonnage: 125,572 GT  
 Length: 299.95 m  
 Breath: 37.65 m  
 Draught: 8.25 m  
 Deck: 18  
 Speed: 22 Knots  
 Passenger: 3,300  
 Crew: 900  
 Delivery: 2016 / 2017

### ELEVATOR FACTS

Passenger: 18 units  
 Service: 15 units  
 Total: 33 units

## New Golden Bridge

### SHIP FACTS

Type: Passenger Ferry  
 Tonnage: 27,000 GT  
 Length: 190 m  
 Breath: 37.65 m  
 Draught: 8.25 m  
 Deck: 11  
 Speed: 23 Knots  
 Passenger: 750  
 Cargo: 290 TEU  
 Delivery: 2000

## Norman Leader

### SHIP FACTS

Type: RoRo Passenger Ferry  
 Tonnage: 27,000 GT  
 Length: 162 m  
 Breath: 25.6 m  
 Draught: 5.8 m  
 Speed: 21 Knots  
 Passenger: 1,215  
 Lane Meter: 1,500  
 Delivery: 2010

## STENA Transporter / STENA Transit

### SHIP FACTS

Type: RoRo Passenger Ferry  
 Tonnage: 33,690 GT  
 Length: 212 m  
 Breath: 26 m  
 Draught: 6.3 m  
 Speed: 22 Knots  
 Passenger: 300  
 Lane Meter: 4,056  
 Delivery: 2011

## PanStar Dream

### SHIP FACTS

Type: RoRo Passenger Ferry  
 Tonnage: 21,680 GT  
 Length: 160 m  
 Breath: 27 m  
 Draught: 6 m  
 Speed: 22 Knots  
 Passenger: 545  
 Cargo: 220 TEU  
 Delivery: 1997



# Global Service Network

We provide pinpoint, speedy services whenever necessary.

Our global network enables prompt and effective responses to any request for maintenance at major ports around the globe.



**EUROPE**

**CHINA**

**KOREA**

**JAPAN**

**SINGAPORE**

**U.S.A.**

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