HJSC

HJ SHIPBUILDING& CONSTRUCTION











TOTAL SOLUTION TO AIRPORT CONSTRUCTION



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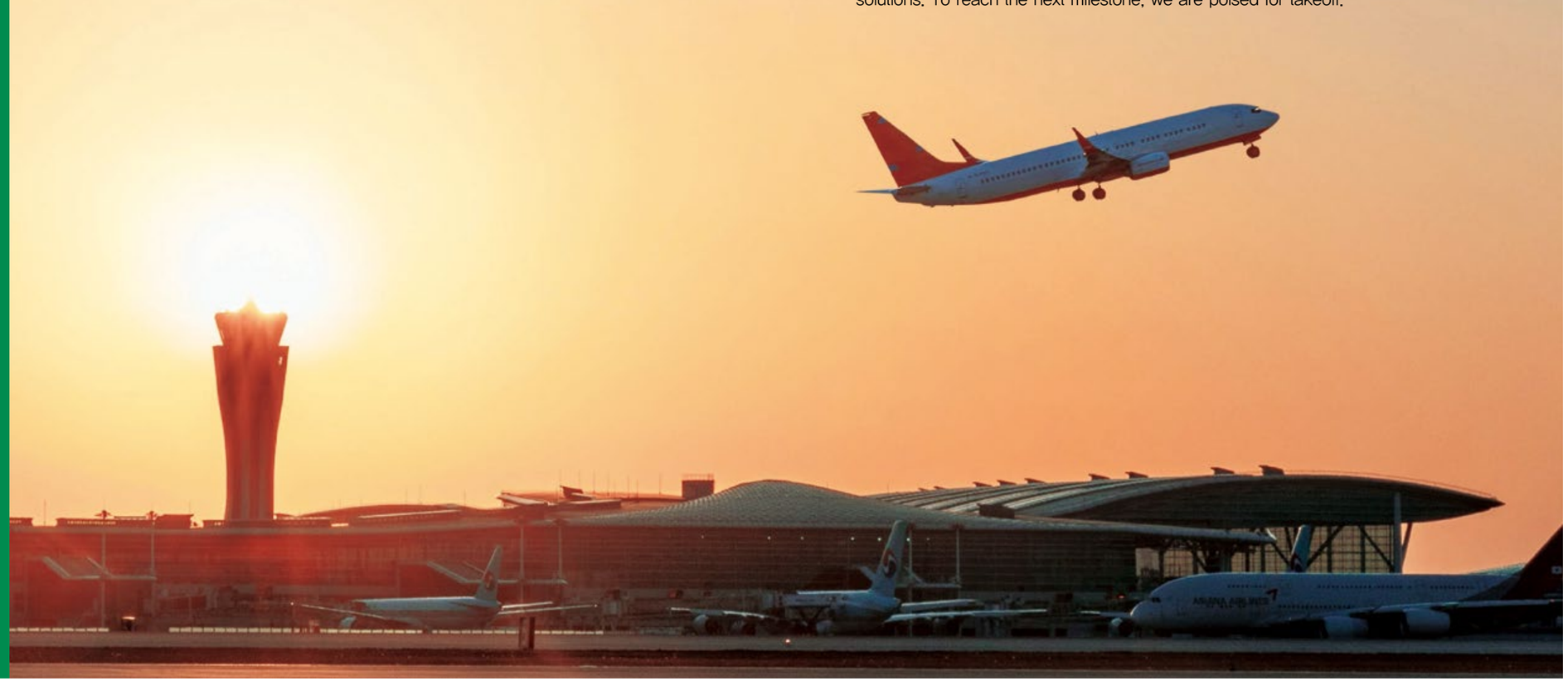
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HJ Shipbuilding & Construction, an expert in airport projects, improves and differentiates airports.

Hanjin Heavy Industries & Construction, the top expert in airport construction, changed its name to HJ Shipbuilding & Construction in January 2022 and started as a global airport construction leader.

HJ Shipbuilding & Construction is a top-tier Korean construction company and has attained world class standing in airport engineering, design, and construction over the past 50 years.

With specialized capabilities, advanced technologies, and extensive experiences, we take pride in imparting varied and comprehensive solutions. To reach the next milestone, we are poised for takeoff.



Construction corporation equipped with unmatched competitiveness

Creative and pioneering mindset that will shake up the industry's future

Since the founding of the construction division in 1968, involving in many different types of construction, like civil and architectural works and plants, we have taken steps to promote the construction sector with competitive advantages attributed to innovative technologies and global competences.

We successfully managed large scale national projects KAL-Building, which is considered the first steel frame skyscraper in Korea, Incheon International Airport, Yeongjong Grand Bridge, Incheon Grand Bridge, Gyeongbu High speed Railway, Seohaean Expressway, Suwon Gateway Plaza, and Busan New Port.

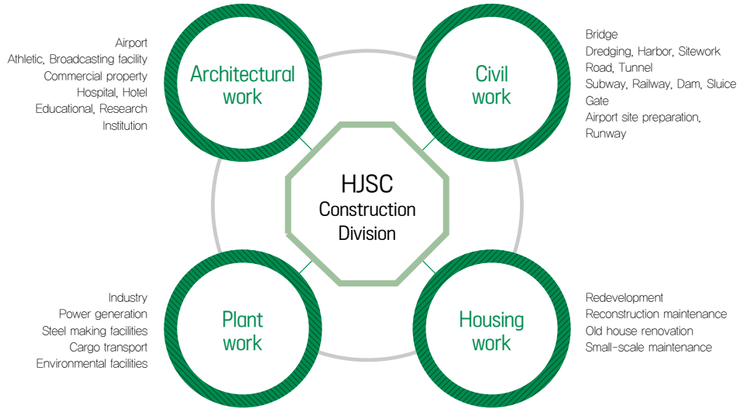
We began to enter the Middle East(Iraq and Saudi Arabia), Southeast Asia(the Philippines), and Asia Pacific(Guam)in the 1970s and is still committed to accumulating credibility and enhancing our competitive positioning on the international stage.

We also play an important role in raising the quality of life by combining aesthetics and practicality in cultural architecture for example, the Seoul Arts Center, the Gocheok Sky Dome, the Gangdong Arts Center, and the Busan Cinema Center.

The artistic Busan Cinema Center features the world's longest cantilever roof. Certified by the Guinness World Records, the so called 'Big Roof,' which is 163 meters long and 62 meters wide and weighs 4,000 tons, was installed through lift-up techniques. We can confidently say that we have opened a new chapter in the history of Korean architecture.

We will continue to expand whilst nurturing internal and external reputation. Our 50 years of accomplishments and expertise will allow us to cultivate dominance in the arena of global influence.

Business scope



BUILDING THE WORLD'S BEST AIRPORT

HJ Shipbuilding & Construction shines even brighter in airports

We have demonstrated unrivaled performance for more than 50 years around the world including the United States, the Philippines, Saudi Arabia, Oman, Bangladesh and Korea, overseeing all areas of airport construction from site development to runways, terminals, and related ancillary facilities.

We proclaim our precision and prowess as an airport construction specialist.

STRENGTH

Driving Force behind the Construction
of the World's Best Airport ①

SPECIALIZED CAPABILITY

Accuracy and professionalism are high priorities for airport projects, which encompass dredging, reclamation, and construction.

For Incheon International Airport, starting seawall construction and sitework, we built not only a massive complex, which consists of terminals, runways, and auxiliary facilities but also access roads.

In 2001, we were awarded the Gold Tower Order of Industrial Service Merit from the Korean government and became the first winner in the industry.

Know how

50 + years' experience
Since 1971

All kinds

Ability to complete the entire process for airport development

Incheon International Airport (Korea)

In 1997, when building a hangar at Gimpo International Airport, we used the lift-up method the 4,800 ton structure was assembled on the ground and then lifted to a height of 27 meters and amazed the world.

Also, for the first time in the world, we adopted float mating method in Yeongjong Grand Bridge, which is regarded as an entrance to Incheon International Airport.

Technology and creativity helped to cope with difficult work conditions on the West Sea with a large tidal range, leading to a turning point in bridge construction.

STRENGTH
Driving Force behind the Construction
of the World's Best Airport ②

ADVANCED TECHNOLOGY

Korea's **First**
lift-up method
1997

World's **First**
Float Mating Method
1998

Yeongjong Grand Bridge (Korea)

STRENGTH

Driving Force behind the Construction of the World's Best Airport ③

EXTENSIVE EXPERIENCE

Starting with Gimpo International Airport Domestic Terminal in 1971, we were actively engaged in most of Korea's airport construction projects, such as Incheon International Airport, Gimhae International Airport, Daegu International Airport, Jeju International Airport, Muan International Airport, Cheongju International Airport, and Ulsan Airport.

On top of that, we have solidified our status as the No. 1 airport construction company by adding Davao International Airport in the Philippines, Riyadh International Airport in Saudi Arabia, and Anchorage International Airport in the United States to our key achievements.



No.1

Korea's top airport builder

Leading **Company**

Main Contractor in Phases 1 to 4 of the Incheon International Airport project

Incheon International Airport Terminal 2 (Korea)

From BEGINNING to END, Create a TOTAL SOLUTION



Airport construction achievements in Korea and overseas by sector

On the basis of hard skills, diverse experiences, optimal networks, and capable personnel, we providea thorough solution for airport development. Specialized not only in sitework and construction but also in maintenance services, we endeavor to open up new possibilities for airports.

From **BEGINNING** to **END,** Create a **TOTAL SOLUTION**





SITE PREPARATION

2022	Incheon Int'l Airport (Korea)	Excavation and piling for terminal 2 expansion (East Wing)
2015	Incheon Int'l Airport (Korea)	Excavation and piling for terminal 2
2008	Incheon Int'l Airport (Korea)	Site preparation for runway 3 (sections 2 & 4); Phase 2 construction
2007	Incheon Int'l Airport (Korea)	Site preparation for the apron (sections 1 & 2); Phase 2 construction
2006	Incheon Int'l Airport (Korea)	Earthwork and pile construction for boarding terminal A
2003	Guam Int'l Airport A (USA)	Airport expansion
2002	Incheon Int'l Airport (Korea)	Infrastructure construction for the hinterland support complex
2001	Incheon Int'l Airport (Korea)	Civil facilities near the traffic center
2000	Incheon Int'l Airport (Korea)	Site preparation (section 6)
	Incheon Int'l Airport (Korea)	Civil facilities for the northside support facility area (section A-10)
	Incheon Int'l Airport (Korea)	Civil works for the eastside support facility area
	Incheon Int'l Airport (Korea)	Southside civil facilities for section A-4, runway 2 area
	Incheon Int'l Airport (Korea)	Northside civil facilities for section A-3, runway 2 area
1999	Incheon Int'l Airport (Korea)	Landside area common facilities (section A-1B)
1998	Yangyang Int'l Airport (Korea)	Site preparation
	Incheon Int'l Airport (Korea)	IAT/EHS tunnel structure facility
1997	Gimpo Int'l Airport (Korea)	Civil works for Gimpo maintenance hangar
	Ulsan Airport A (Korea)	Airport expansion
	Incheon Int'l Airport (Korea)	Southside seawall and floodgate (section 2) Site preparation (sections 4-1 & 2)
1996	Incheon Int'l Airport (Korea)	Southside seawall and floodgate facilities
1992	Gimhae Int'l Airport (Korea)	Airport expansion
1988	Incheon Int'l Airport (Korea)	Excavation and piling for a passenger terminal



APRON, RUNWAY, AIRFIELD LIGHTING

APRONS

2019	Incheon Int'l Airport (Korea)	Phase 3 construction, Cargo apron 2, facilities
2015	Seongnam Airport (Korea)	Apron resurfacing
2014	Ducm Airport(Oman)	New apron
2013	Laguindingan Int'l Airpor (Philippines)	New apron
2009	Bacolod Int'l Airport (Philippines)	New apron
2007	Muan Int'l Airport (Korea)	New apron
2003	Pohang Airport (Korea)	New apron
2001	Davao Int'l Airport (Philippines)	New apron
2000	Yangyang Int'l Airport (Korea)	New apron
	Pyeongtaek U.S. Air Force Base(Korea)	New apron
	Jeju Int'l Airport (Korea)	New apron
1999	Incheon Int'l Airport (Korea)	New apron (sections A-3, A-4, A-5)
1997	Gimpo Int'l Airport (Korea)	Apron expansion
	Ulsan Airport(Korea)	New apron
1992	Gimpo Int'l Airport (Korea)	Apron expansion for light aircraft area
1988	Gimhae Int'l Airport (Korea)	Apron paving for new terminal area
	Gimpo Int'l Airport (Korea)	New apron

RUNWAYS

2020	Cheongju Airbase (Korea)	Runway resurfacing
2016	Air Force Base 00 (Korea)	Runway resurfacing
2015	Seongnam Airport (Korea)	New runway
2014	Ducm Airport(Oman)	New runway and airfield lighting
2013	Laguindingan Int'l Airport (Philippines)	New runway
2012	Incheon Int'l Airport (Korea)	Airfield lighting for northside of runway 2 and taxiway C
2009	Bacolod Int'l Airport (Philippines)	New runway
2008	Incheon Int'l Airport (Korea)	New runway 3 (section 2A-1)
2007	Muan Int'l Airport (Korea)	New runway
2006	Daegu Int'l Airport (Korea)	New runway
2004	Gwangju Airport (Korea)	New runway
2003	Davao Int'l Airport (Philippines)	New runway
2001	Yangyang Int'l Airport (Korea)	New runway
2000	Incheon Int'l Airport (Korea)	New runway 2 (section A-3, A-4)
1999	Gimhae Int'l Airport (Korea)	New parallel runway
1997	Ulsan Airport(Korea)	New runway
	Jeju Aviation Training Center(Korea)	Expansion
	Chitagong Int'l Airport (Bangladesh)	Expansion and repair of runway
1996	Zia Int'l Airport (Bangladesh)	Expansion and repair of runway
	Gimpo Int'l Airport (Korea)	Old runway and taxiway center line lights reinforcement
1995	Daegu Int'l Airport (Korea)	Runway and taxiway reinforcement
	Subic Int'l Airport (Philippines)	New runway
	Subic Int'l Airport (Philippines)	Runway facilities
1991	Gimhae Int'l Airport (Korea)	Runway and taxiway reinforcement
1988	Gangneung Airfield (Korea)	Runway expansion
	Daegu Airfield(Korea)	Runway expansion
	Yeosu Airfield(Korea)	Runway expansion
1985	Brunei Int'l Airport (Brunei)	South taxiway repairs
	Sokcho Airfield(Korea)	Runway expansion
	Ulsan Airfield(Korea)	Runway facilities
1984	Jeju Int'l Airport N	New runway
	King Fahd Airbase (Saudi Arabia)	New emergency runway
1983	Khamis Mushait Air Force Base (Saudi Arabia)	New runway
	Taif Airbase (Saudi Arabia)	New runway
1973	Sacheon Airfield (Korea)	Reinforcement for the secondary runway
1972	Jeju Int'l Airport(Korea)	New intersecting runway

AIRFIELD LIGHTINGS

2015	Seongnam Airport (Korea)	Airfield lighting
2007	Gimhae Int'l Airport (Korea)	Taxiway reinforcement (airfield lighting)
2004	Gimhae Int'l Airport (Korea)	Aeiway reinforcement (airfield lighting)
	Gwangju Airport A (Korea)	Airfield lighting
2003	Jeongseok Airfield (Korea)	Approach lighting system improvement
1999	Gimpo Int'l Airport (Korea)	Airfield lighting
	Gimhae Int'l Airport (Korea)	New parallel runway (airfield lighting & additional power facilities)
	Gimhae Int'l Airport (Korea)	New approach lighting system and other construction
1998	Jeongseok Airfield (Korea)	Lighting for the braking training airfield
1995	Tabuk, Al-Jouf Airbase (Saudi Arabia)	Taxiway
	Jeju Int'l Airport(Korea)	Electric & other constructions for a new taxiway
1994	Jeju Int'l Airport(Korea)	Reinforcement of the old runway airfield lighting cal
	Yeosu Airport(Korea)	Airfield lighting
1986	Yeosu Airport(Korea)	Visual aids



PASSENGER TERMINAL

2025	Incheon Int'l Airport (Korea)	Framing and finishing for terminal 2 expansion (West Wing)
2017	Gimpo Int'l Airport (Korea)	Remodeling of the domestic passenger terminal
	Incheon Int'l Airport (Korea)	Frame and exterior finish work for passenger terminal 2
2015	Incheon Int'l Airport (Korea)	Excavation and piling for passenger terminal 2
2013	Laguindingan Int'l Airport (Philippines)	New passenger terminal
2008	Incheon Int'l Airport (Korea)	Frame work and finishing of concourse terminal A
2007	Muan Int'l Airport(Korea)	New passenger terminal
2006	Jeju Int'l Airport(Korea)	New boarding control building
2003	Pohang Airport(Korea)	Passenger terminal expansion
	Guam Int'l Airport(USA)	New passenger terminal & expansion
	Davao Int'l Airport (Philippines)	New passenger terminal
2001	Yangyang Int'l Airport (Korea)	New passenger terminal
	Incheon Int'l Airport (Korea)	Finishing of the passenger terminal
	Incheon Int'l Airport (Korea)	Facility improvement for the passenger terminal
2000	Incheon Int'l Airport (Korea)	Passenger terminal exterior and roof finishing
1999	Incheon Int'l Airport (Korea)	Passenger terminal roof truss fabrication/installation
		Reinforced concrete and steel frame for the passenger terminal
1998	Gimpo Int'l Airport (Korea)	Domestic passenger terminal expansion & other works
	Gimhae Int'l Airport (Korea)	Domestic passenger terminal expansion
	Jeju Int'l Airport(Korea)	Passenger terminal expansion
1997	Ulsan Airport(Korea)	Passenger terminal expansion
	Incheon Int'l Airport (Korea)	Basic piling for the passenger terminal
1996	Cheongju Int'l Airport (Korea)	Civil aviation facilities (passenger terminal)
	Guam Int'l Airport(USA)	New passenger terminal
1993	Gimhae Int'l Airport (Korea)	New domestic passenger terminal
1992	Gimpo Int'l Airport (Korea)	Domestic passenger terminal expansion
1988	Anchorage Int'l Airport (USA)	New passenger terminal
1984	Jeju Int'l Airport(Korea)	New passenger terminal
1978	Gimpo Int'l Airport (Korea)	Finishing of floors 2 & 3 of the international passenger terminal
1976	Gimpo Int'l Airport (Korea)	New phase 1 & 2 passenger terminal
1973	Gimpo Int'l Airport (Korea)	Domestic passenger terminal expansion
1971	Gimpo Int'l Airport (Korea)	New domestic passenger terminal



CONTROL TOWER, CARGO TERMINAL, CATERING FACILITY

CONTROL TOWERS

2013	Laguindingan Int'l Airport (Philippines)	New control tower
2007	Muan Int'l Airport(Korea)	New control tower
2004	Gwangju Int'l Airport (Korea)	New control tower
2003	Davao Int'l Airport (Philippines)	New control tower
2001	Yangyang Int'l Airport (Korea)	New control tower
1994	Ryadh Int'l Airport (Saudi Arabia)	New control tower
1988	Gimpo Int'l Airport(Korea)	New control tower and finishing works

CARGO TERMINALS

2021	Incheon Int'l Airport (Korea)	Cargo terminal E
2013	Laguindingan Int'l Airport (Philippines)	New cargo terminal
2007	Muan Int'l Airport(Korea)	New cargo terminal
2003	Davao Int'l Airport (Philippines)	New cargo terminal
2001	Daegu Int'l Airport (Korea)	Airport expansion
2000	Incheon Int'l Airport (Korea)	New cargo terminal A
	Incheon Int'l Airport (Korea)	Equipment installation for cargo terminal A
	Incheon Int'l Airport (Korea)	New storage for cargo terminal
	Jeju Int'l Airport(Korea)	New cargo terminal
1992	Gimhae Int'l Airport (Korea)	Phase 1 & 2 domestic cargo terminal
1982	Jeddah Int'l Airport (Saudi Arabia)	New cargo terminal
1978	Gimpo Int'l Airport(Korea)	Finishing work on cargo terminal
1976	Gimpo Int'l Airport(Korea)	New cargo terminal

CATERING FACILITYS

2002	LA Int'l Airport(USA)	Remodeling of HACOR Inc. catering building
2000	Incheon Int'l Airport (Korea)	New KAL inflight catering building A
	Gimhae Int'l Airport (Korea)	Expansion & renovation of KAL dorm restaurant
1991	Gimpo Int'l Airport (Korea)	New KAL catering building
1998	Anchorage Int'l Airport (USA)	KAL catering building



HANGAR, MAINTENANCE FACILITY

2002	Incheon Int'l Airport (Korea)	New aircraft maintenance hangar A
2000	Pyeongtaek US Air Force Base(Korea)	Aircraft parking facility
1998	Gimhae Int'l Airport (Korea)	Hangar facilities
1997	Gimpo Int'l Airport (Korea)	KAL Operation center
	Gimpo Int'l Airport (Korea)	Bucheon engine parts repair factory
1996	Gimhae Int'l Airport (Korea)	New engine shop (maintenance facility)
	Guam Anderson Arbase(USA)	Hangar
1995	Al-Jouf Airbase (Saudi Arabia)	Airbase facility (hangar)
1994	Tabuk Airbase (Saudi Arabia)	Airbase facility
1992	Taif Airbase (Saudi Arabia)	Underground hangar and additional facilities
1971	Gimpo Int'l Airport (Korea)	KAL Gimpo hangar



FUELING FACILITY, AUXILIARY FACILITY

FUELING FACILITYS

2010	Daegu Int'l Airport (Korea)	11th Fighter Wing's D8 fueling-3 facilities
2008	Incheon Int'l Airport (Korea)	Phase 2 fueling facilities
2006	Wonju Airport(Korea)	Fuel storage tank and fueling facilities
2005	Yecheon Airport(Korea)	Fuel storage tank and fueling facilities
2003	Gimhae Int'l Airport (Korea)	Fuel storage tank and fueling facilities
2001	Yangyang Int'l Airport (Korea)	Fueling facilities
2000	Incheon Int'l Airport (Korea)	Phase 1 fueling facilities
1997	Gimpo Int'l Airport (Korea)	Fuel storage and fueling facilities
1995	Al-Jouf Airbase (Saudi Arabia)	Fueling facilities
1992	Gimhae Int'l Airport (Korea)	Fuel storage and fueling facilities
1978	Gimpo Int'l Airport(Korea)	Fuel storage facilities and hydrant facilities

AUXILIARY FACILITYS

2024	Incheon Int'l Airport (Korea)	Phase 4 electrical work for ancillary buildings
2023	Incheon Int'l Airport (Korea)	Main substation C building 10 facility construction
2008	Incheon Int'l Airport (Korea)	Production of a model aircraft for phase 2 fire drills
2000	Incheon Int'l Airport (Korea)	New power plant
	Incheon Int'l Airport (Korea)	KAS office building
	Incheon Int'l Airport (Korea)	Ground handling equipment, Facility A
	Incheon Int'l Airport (Korea)	Heavy water treatment facility
1999	Jeju Int'l Airport(Korea)	Jeju KAL dorm
1998	Gimpo Int'l Airport(Korea)	Expansion of the training center for travelling to Incheon
	Jeju Aviation Training Center(Korea)	Expansion of KAL Jeju aviation training center
1996	Gimhae Int'l Airport (Korea)	New welfare center and expansion
	King Fahd Airbase (Saudi Arabia)	Wastewater treatment facility, shooting range
1994	Ryadh Int'l Airport (Saudi Arabia)	New mosque and parking lot
1992	Gimpo Int'l Airport(Korea)	New KAL building
1988	Gimpo Int'l Airport(Korea)	Parking lot expansion and new parking lot
1981	Jeddah Int'l Airport (Saudi Arabia)	Public Safety Complex



CONNECTING ROAD, RAIL, SUBWAY

CONNECTING ROADS

2017	Incheon Int'l Airport (Korea)	Road and bridge in front of passenger terminal 2 (section 3-4)
2009	Incheon Int'l Airport (Korea)	Connecting road section 1 for land bridge (Incheon Grand Bridge)
	Bacolod Airport (Philippines)	Access road
2007	Muan Int'l Airport (Korea)	Access road
2001	Yangyang Int'l Airport (Korea)	Access road, inner and outer roads
	Incheon Int'l Airport (Korea)	Civil facilities for the road in front of the airport Section A-8
2000	Incheon Int'l Airport (Korea)	Shinbul IC terminal access road
	Incheon Int'l Airport (Korea)	Elevated road in front of the terminal (section A-7)
	Incheon Int'l Airport (Korea)	Private sector facility for sections 2 & 3 of the land bridge on Airport Expressway (Yeongjong Grand Bridge)
	Jeju Int'l Airport(Korea)	Access road
1999	Cheongju Int'l Airport (Korea)	Airport connecting road (Ochang Scientific Complex-Mitocheon Bridge)
	Incheon Int'l Airport (Korea)	Yongyudo-side outer ring road
1994	Guam Int'l Airport(USA)	Access road to passenger terminal and pedestrian tunnel

RAILS

2016	Incheon Int'l Airport (Korea)	Wonju to Gangneung Railway, section 2 (connecting Pyeongchang & IA)
2014	Incheon Int'l Airport (Korea)	Honam High-speed Railway, section 4-4 roadbed
	Incheon Int'l Airport (Korea)	Honam High-speed Railway, section 2-3 roadbed
2007	Incheon Int'l Airport (Korea)	Gyeongbu High-speed Railway, section 11-3 roadbed
2002	Incheon Int'l Airport (Korea)	Gyeongbu High-speed Railway, section 9-1 roadbed

SUBWAYS

2000	Incheon Int'l Airport (Korea)	IAT/EHS tunnel for terminal 1
	Incheon Int'l Airport (Korea)	Railway roadbed within phase 1 area
1996	Gimpo Int'l Airport (Korea)	Subway line 5 (section 5-3)
	Gimpo Int'l Airport (Korea)	Subway line 5 (section 5-4D)



MAINTENANCE CONTROL

2016	Incheon Int'l Airport (Korea)	Flight infrastructure maintenance service
2013	Incheon Int'l Airport (Korea)	3rd term maintenance service (architecture, machinery, electricity, firefighting)
2008	Incheon Int'l Airport (Korea)	2nd term maintenance service (architecture, machinery, electricity, firefighting)
2003	Incheon Int'l Airport (Korea)	1st term maintenance service (architecture, machinery, electricity, firefighting)

Incheon International Airport, which is widely known as a global hub airport as well as airports in the United States, the Middle East, and Asia, enjoy the state of the art. Our passion, competency, and experience are embedded there.



Performance at INCHEON INTERNATIONAL AIRPORT(KOREA)

HJ Shipbuilding & Construction sharing the glory and praise of Incheon International Airport

Taking part in most of the Incheon International Airport project from Phase 1 to Phase 4, we contribute significantly to the growth of Incheon International Airport into one of the best hub airports in the world. We are an airport construction professional that has administered innumerable construction projects in Korea and has the ability to offer a one-stop service, which includes not only construction but also maintenance.



Phase 4
- Terminal 2 expansion
  - Excavation / piling (East Wing)
  - Framing / finishing (West Wing)
- Electrical work for ancillary buildings
- Cargo Terminal E construction

Phase 3
- Excavation and piling
- Exterior and frame work for passenger terminal 2
- Road in front of passenger terminal 2

Phase 2
- Runway 3 and site preparation for passenger terminal apron

Phase 2
- New boarding terminal A
  - Excavation and piling
  - Frame work, finishing, and new additional facilities

Phase 1
- New aircraft maintenance hangar A
- Northside support facility area
  - Civil facilities (section A-10)

Phase 1
- Fueling facility construction
  - New building for catering facility A
  - Eastside support facility area civil works

Phase 1
- Runway 2
  - North and southside civil facility construction
  - Taxiway paving

Phase 1
- New building for catering facility A

Phase 1
- New cargo terminal A
- New cargo terminal storage

Phase 1
- Airport site preparation
- Dredging and reclamation

Phase 1
- Apron construction

Phase 1
- Southside seawall and floodgate (section 2)
- ongyudo-side outer ring road

Phase 1
- New passenger terminal and site preparation
  - Basic excavation
  - Piling and permanent drainage works
  - Exterior wall and roof finishing
  - Reinforced concrete and steel frame
  - Architectural finishing and additional facilities

Phase 1
- Elevated bridge in front of the passenger terminal

Phase 1
- Shinbul IC, the access road to the passenger terminal

Phase 1
- New power plant A, an additional building to the new airport in the capital area

Phase 1
- Heavy water treatment facility

SITE PREPARATION

Site preparation works contain seawall, floodgate, infrastructure construction, dredging, reclamation, excavation, and piling, to name a few.

We take all necessary measures such as inspection, testing, and quality assurance to evaluate the characteristics of foundations and to find the right approach to each task, thereby ensuring the highest levels of quality and safety.

:: Panorama of the site of Incheon International Airport(Korea)





1993



1996



1997

Panorama of the site of Incheon International Airport(Korea)

Site preparation process for Incheon International Airport is perched on an artificially created piece of land between Yeongjongdo and Yongyudo Islands, 18 times bigger than Yeouido in Seoul.

About 180 million cubic meters of soil and sand was needed for reclamation, which took eight and half years to complete.

:: Site preparation work for Incheon International Airport(Korea)









APRON, RUNWAY, AIRFIELD LIGHTING

Not only runways but also aprons and airfield lighting should have excellent durability and safety to guarantee safe operations at any condition.

Based on effective project quality management, we facilitate design optimization, procure qualified materials and supplies, and display great delicacy of workmanship.

:: Apron










1 2 3
4 5 6
7 8

1. Laguindingan International Airport (Philippines)
2. Davao International Airport (Philippines)
3. Chittagong International Airport (Bangladesh)
4. Gimpo International Airport (Korea)
5. Gimhae International Airport (Korea)
6. Muan International Airport (Korea)
7. Incheon International Airport ① (Korea)
8. Incheon International Airport ② (Korea)

:: Runway






:: Airfield lighting



1
2
3 4
5

1. Runway at Gimpo International Airport (Korea)
2. Runway at Davao International Airport (Philippines)
3. Runway at Laguindingan International Airport (Philippines)
4. Runway at Incheon International Airport (Korea)
5. Airfield lighting at Incheon International Airport (Korea)

PASSENGER TERMINAL (KOREA)

With the completion of Gimpo International Airport Domestic Terminal in 1971, we became renowned as an airport construction expert beyond Korea.

Incheon International Airport Passenger Terminal, completed in December 2002, combines the traditional image of Korea in harmony with the natural environment with a modern formative sense and cutting edge technology to symbolize the spirit and catholicity of Korean. In addition, 2018, Gimpo International Airport domestic passenger terminal was successfully remodeled under difficult conditions of normal operation of the Airport. Our success reconfirmed a master of the airport construction.

:: Domestic performance











1, Yangyang International Airport (Korea)
2, Muan International Airport (Korea)
3, Incheon International Airport Terminal 2 (Korea)
4, Gimpo International Airport (Korea)
5, Gimpo International Airport / Remodeling (Korea)













1, Gimhae International Airport (Korea)
2, Cheongju International Airport (Korea)
3, Daegu International Airport (Korea)
4, Gwangju Airport (Korea)
5, Jeju International Airport (Korea)
6, Ulsan Airport (Korea)

PASSENGER TERMINAL (OVERSEAS)

We have shaped airport leader's legacy across the globe. As the first Korean enterprise to explore the Philippine market since 1973, we have implemented more than 70 projects, including Laguindingan International Airport and Davao International Airport, and ranks first among international construction firms that operate in the Philippines.

:: Overseas performance





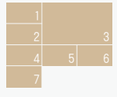












1. Laguindingan International Airport (Philippines)
2. Subic International Airport (Philippines)
3. Davao International Airport (Philippines)
4. Bacolod-Silay International Airport (Philippines)
5. Guam International Airport (United States)
6. Anchorage International Airport (United States)
7. Duqm Airport (Oman)

In different regions of the world, including the Philippines, Saudi Arabia, Brunei, Bangladesh, and the U.S., HJSC has constructed passenger terminals-the symbol of any airport-with its distinguished technology and know-how. Moving forward, HJSC will continue to improve airports and their value with its superior construction ability, while continuing to create convenient and pleasant spaces for users.





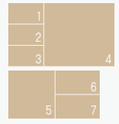












1. Jeddah International Airport (Saudi Arabia)
2. Tabuk Airbase (Saudi Arabia)
3. Tail Airbase (Saudi Arabia)
4. Riyadh International Airport (Saudi Arabia)
5. Chittagong International Airport (Bangladesh)
6. Zia International Airport (Bangladesh)
7. Brunei International Airport (Brune)

INCHEON INTERNATIONAL AIRPORT PASSENGER TERMINAL(KOREA)



Phase 1

TERMINAL 1, INCHEON INTERNATIONAL AIRPORT

Terminal 1 is a monumental piece of architecture that integrates top notch technologies and cultural capacities. Noted for its beautiful exterior, pleasant atmosphere, and convenient usability, Terminal 1 now serves as an air traffic hub in Northeast Asia.



Construction process


1997


1999


2000

Phase 2

CONCOURSE, INCHEON INTERNATIONAL AIRPORT

At concourse, there are a number of cutting-edge amenities designed to deliver a consistent and reliable passenger and cargo handling service and bolster the satisfaction and comfort of airline customers.









1
2 3 4

1. Concourse at Incheon International Airport (Korea)
2. Construction of Concourse (Korea)
3. Right side of Concourse (Korea)
4. Inside Concourse Area (Korea)

Phase 3, 4

CONSTRUCTION AND EXPANSION OF TERMINAL 2, INCHEON INTERNATIONAL AIRPORT

In Phase 3 of the Incheon International Airport project, we carried out the exterior finishing of Terminal 2 and had the honor to be part of a further leap of Incheon International Airport. Throughout Phase 4, which began in 2019 for terminal expansion, we have also been in charge of excavation and piling for East Wing and the framing and finishing of West Wing, proving that we are a true leader in the field of airport construction.





1
2

1. Incheon International Airport Terminal 2 (Korea)
2. Framing of Terminal 2 (Korea)

CONTROL TOWER, CARGO TERMINAL, CATERING FACILITY

Cargo terminals must keep and transfer smoothly freight. To this end, we connect air and ground transportation and systemize workflows among airlines, shipping agencies, and other relevant entities with a view to boosting efficiency and productivity in cargo transport. We also build control towers, one of the main airport facilities, to keep skies safe.

:: Control tower













1, Incheon International Airport Terminal 1 (Korea)
2, Gimpo International Airport (Korea)
3, Gimhae International Airport (Korea)
4, Yangyang International Airport (Korea)
5, Laguindingan International Airport (Philippines)
6, Riyadh International Airport (Saudi Arabia)

:: Cargo terminal









1, Incheon International Airport (Korea)
2, Incheon International Airport/Cargo Terminal E (Korea)
3, Gimpo International Airport (Korea)
4, Gimhae International Airport (Korea)

:: Catering facility







1, Incheon International Airport (Korea)
2, Gimpo International Airport (Korea)
3, Hacor Inc. in Los Angeles (United States)

HANGAR, MAINTENANCE FACILITY

Hangars and maintenance facilities are essential elements for operational safety. Spacious above ground and underground hangars can accommodate multiple planes simultaneously; inspections maintenance, and repairs are performed at maintenance facilities. So, our goal is to provide robust and versatile hangars and maintenance facilities.



1

1. Gimpo International Airport (Korea)





1
2
3

1. Incheon International Airport ① (Korea)
2. Incheon International Airport ② (Korea)
3. Gimhae International Airport (Korea)



FUELING FACILITY, AUXILIARY FACILITY

Fueling facilities need to ensure the timely supply of aviation fuels according to flight departure while safely storing large amounts of fuel. Forging automatic control systems, we enable remote control for the overall procedure from receiving a load of aviation fuel to filling fuel in aircraft. Besides, we are dedicated to building catering facilities, learning centers, dormitories, parking lots, and sewage treatment plants.

:: Fueling facility





1
2

1. Incheon International Airport ① (Korea)
2. Incheon International Airport ② (Korea)

Fueling facility, Incheon International Airport

Fueling facilities at Incheon International Airport, 116,000 square meters in area, are composed of eight tanks with 100,000 barrel capacity, a 26 kilometer long underground pipe within the apron, 136 fuel stands, and accessory buildings.

:: Auxiliary facility







1
2 3
5
4 6

1. Aircraft fire fighting training (Korea)
2. Operations Center, Gimpo International Airport (Korea)
3. South Floodgate, Incheon International Airport (Korea)
4. Human Resource Development Institute, Deungchon-dong, Seoul (Korea)
5. Information Systems Center, Gimpo International Airport (Korea)
6. Radar, Incheon International Airport (Korea)







CONNECTING ROAD, RAIL, SUBWAY

Based on unparalleled specialties acquired by constructing countless roads, railways, and bridges in Korea and abroad over the last several decades, we were able to establish Yeongjong Grand Bridge, reducing journey times between Seoul and Incheon International Airport to 45 minutes. As such, we make a contribution to quick and easy access to airports as we build connecting roads, railroads, and subways.









1
2 3 4

1. Yeongjong Grand Bridge (Korea)
2. Incheon International Airport Overpass (Korea)
3. Incheon International Airport Expressway (Korea)
4. Road in front of the terminal building, Gimpo International Airport (Korea)



1
2 3
4

1. Shuttle running between Terminal 1 and Boarding Area, Incheon International Airport (Korea)
2. Gimpo International Airport Station on Seoul Subway Line 5 ① (Korea)
3. Gimpo International Airport Station on Seoul Subway Line 5 ② (Korea)
4. Incheon International Airport Seawall (Korea)



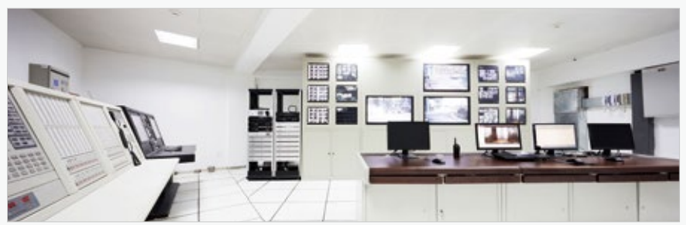




MAINTENANCE CONTROL

Our integrity and sincerity are revealed in the meticulous maintenance services that we offer. Maintenance covers all parts of airport operations-construction, electricity, communication, and firefighting. Through flawless facility management, we promise a secure and agreeable environment for airport users. With a wealth of experience and expertise, we have the privilege of partnering with Incheon International Airport.







:: Machinery

• Air conditioning/automatic control equipment





• Sanitary equipment



• Firefighting equipment



:: Electricity

• Power infrastructure / TPLS





• Lighting



• Detector



:: Construction

• Interior and finishing





• Window and exterior





:: Civil work

• Runway





• Structure



• Green space



:: Prize in the category of maintenance from Incheon International Airport





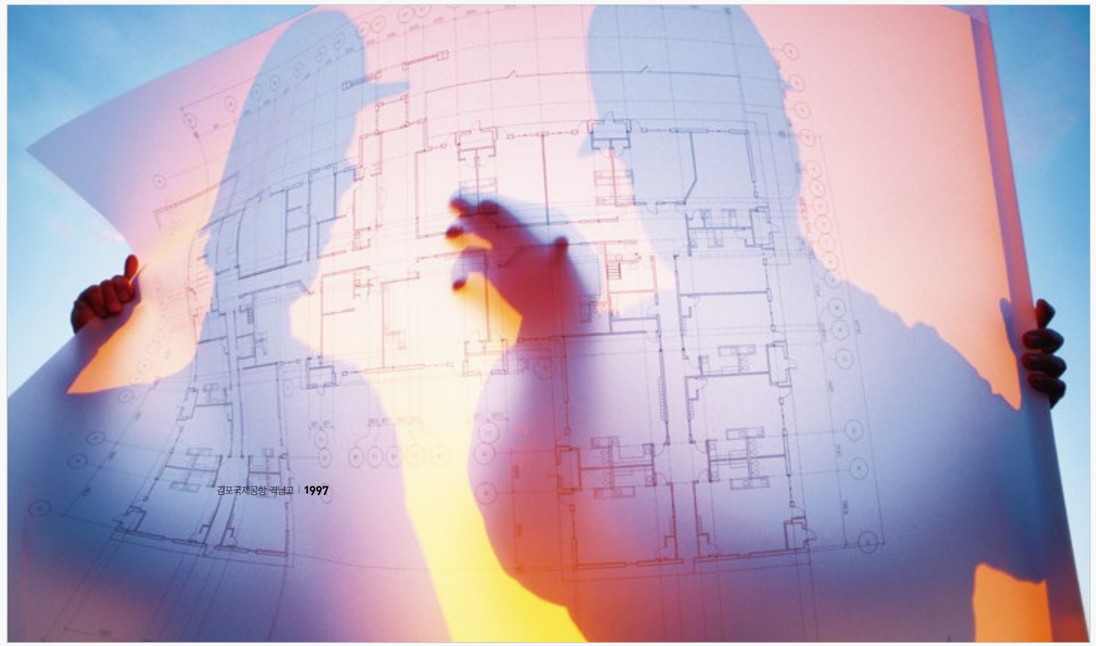






R&D

The latest innovations rooted in our efforts and experiences are used in various spheres, resulting in quality improvement, the reduction of project schedule and costs, and safety enhancement. We will strive for leading-edge construction methods and take the initiative in the airport construction industry.



:: Application example





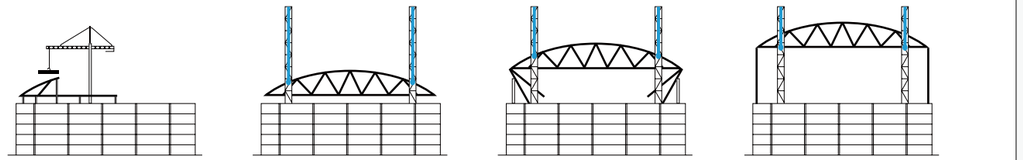

1 2 3 4

1. Gimpo International Airport Hangar (Korea)
2. Yeongjong Grand Bridge (Korea)
3. Incheon International Airport Terminal 1 (Korea)
4. Incheon International Airport Terminal 2 (Korea)

:: Lift-up

New technology registration: Lift-up method using HJ knuckle systems; Ministry of Construction & Transportation New Technology Designation No. 146

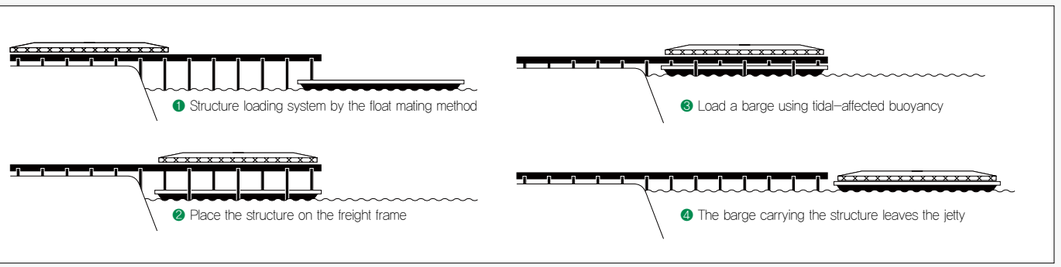
Lift-up is a method for assembling a structure on the ground and lifting it up to a predetermined position by utilizing preinstalled columns. The lift-up method with the highest efficiency in terms of safety, quality, and cost savings was introduced in Korea by HJ Shipbuilding and Construction in 1997 when a hangar was built at Gimpo International Airport. Afterwards, it was applied to Incheon International Airport, Yeongjong Grand Bridge, Suwon Gateway Plaza, and the Busan Cinema Center.



:: Float mating

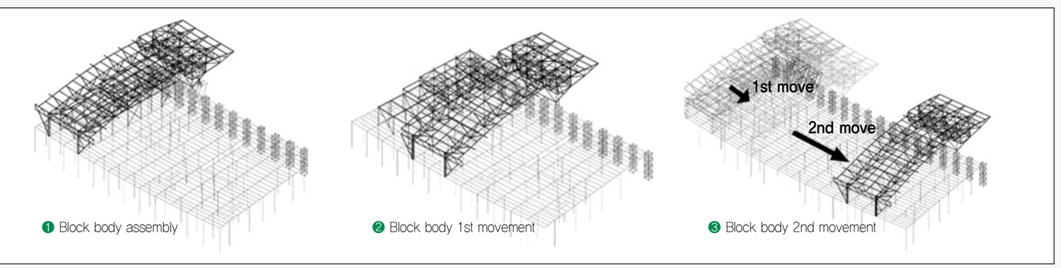
Patent No. 0337573

Float mating refers to a technique that puts huge structures made on land into a vessel just by taking advantage of the difference between high and low tides without special apparatus. Because it minimizes ballast requirements, safety, quality, and efficiency can be increased. We succeeded in adopting floating mating in Yeongjong Grand Bridge for the first time in the world and had the advancement of technology and creative skills recognized internationally.



:: Mega truss travelling

A structure is partially or fully assembled and delivered to the final destination by means of specialized equipment, which is called 'mega truss travelling,' since steel blocks are travelling. We made the most of mega truss travelling when we undertook the framing and exterior construction of Terminal 2 at Incheon International Airport and got to show off our hard work and ingenuity.



CERTIFICATE OF AUTHORIZATION

New technology certification

:: CONSTRUCTION



No. 68 Intermediate temperature foamed modified asphalt



No. 751 Rib deck



No. 795 Lightweight soundproof tunnel



800 HyFo beam



No. 817 Divided Arc



No. 834 LC rigid-frame bridge



No. 860 Smar MHSt

:: GREEN TECHNOLOGY



No. GT-17-00206



No. GT-19-00765

:: DISASTER PREVENTION



No. 71-3 Safety net technology



No. 88-3 Rigid-frame bridge construction method

ISO certification



ISO 9001:2015 Quality management system



ISO 14001:2015 Environmental management system

Patent



No. 10-1118526 Steel pylon construction method



No. 10-1436595 Cable laying machine



No. 0449498 Heavy structure construction method

HJSC

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