

VALUE, CONNECTED

Makes the new value of logistics flow



posco
FLOW

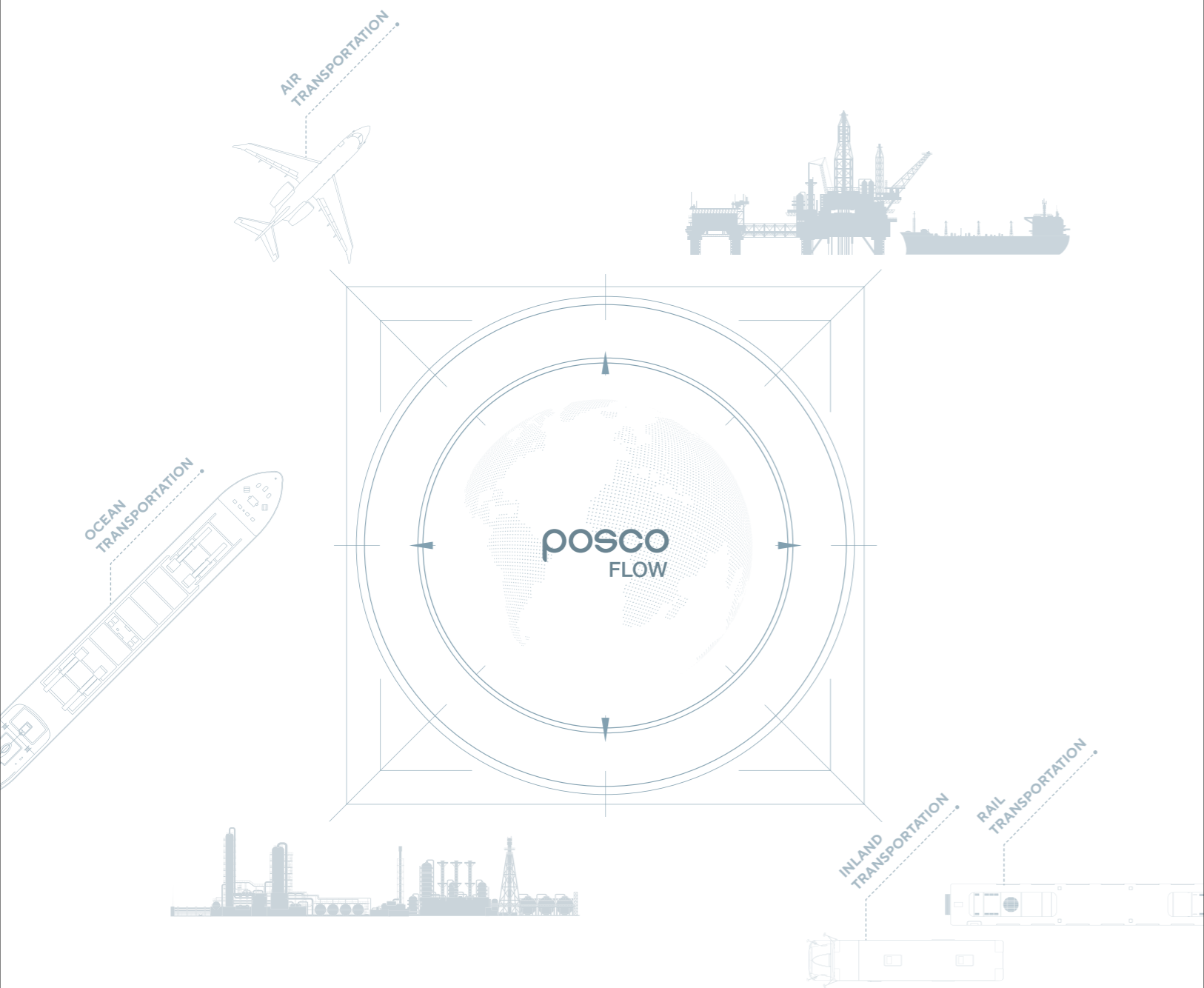
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posco
FLOW


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POSCO FLOW
VALUE, CONNECTED

POSCO FLOW
Makes the new value of logistics flow.



Logistics connects people and the world,
creates new opportunities, and generates new values.
Now, at all the places connected by POSCO FLOW,
customers and domestic maritime and logistics industries will
benefit from the power of greater value together.

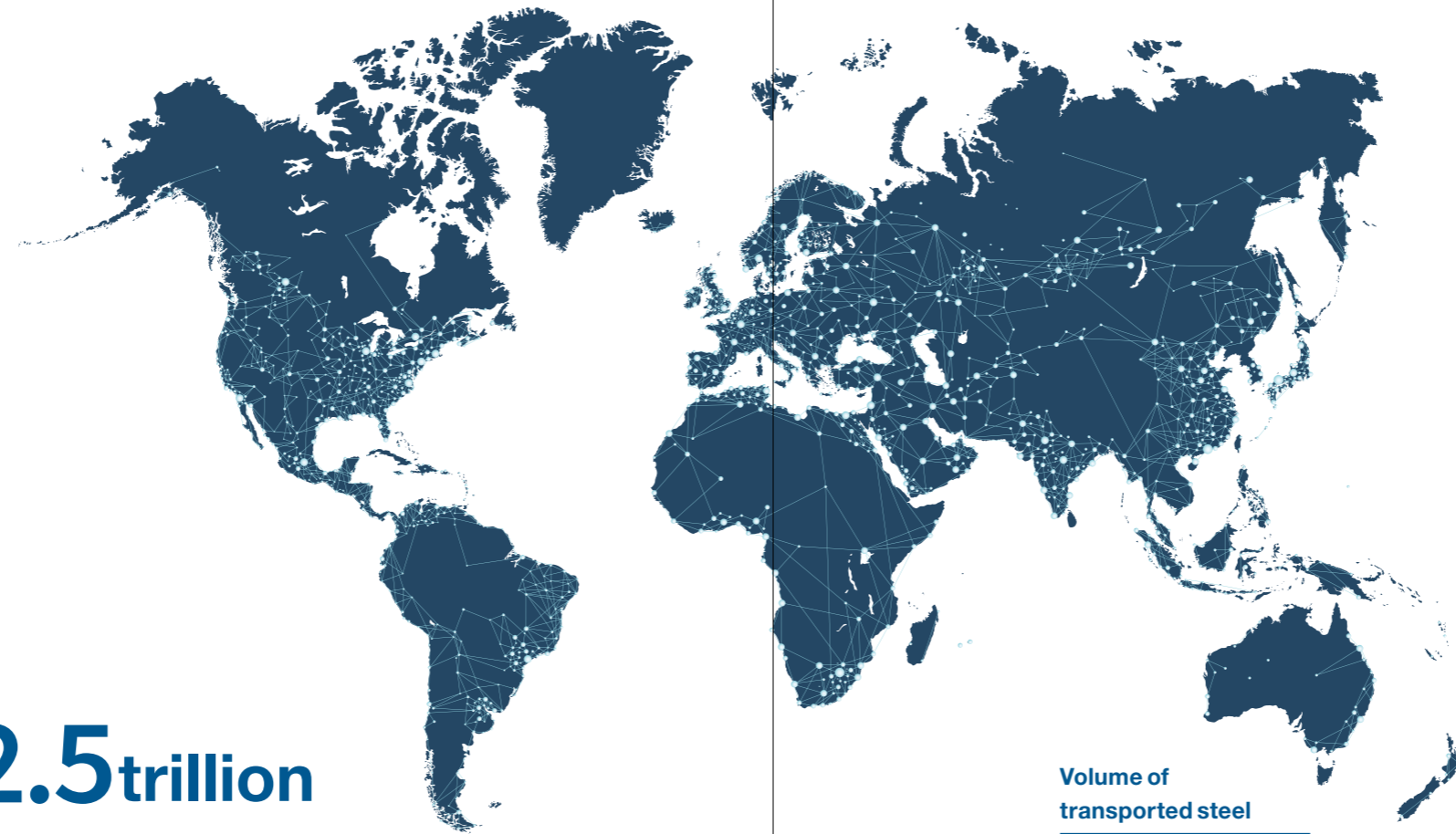
We create ***New Value***



POSCO FLOW is enabling the new connections in Korea.
Through cooperating with all types of partners and customers,
leading the advancement of logistics and contributing to
enhancing Korea's International competitiveness in logistics.

POSCO FLOW is preparing for the future.
With "FLOWer," our integrated smart logistics system utilizing the
latest technologies such as big data, IoT, and AI, we enhance
efficiency and secure competitiveness in logistics.

What is **Our Value?**



New flow,
with the movement of the
world and the future!

Revenue

A total of **KRW 2.5 trillion**

Logistics network and infrastructure



Global network
100 bases



CVC vessels(raw materials)
36 ships



Trailers
about **2,000** units



Berths for unloading
41 places



Logistics warehouses
about **20** places



Regular sailing ports
100 ports



Trains
174 railroad cars

Volume of transported steel

(unit: 10k metric tons)

8,646



Volume of transported goods

A total of **130 million** tons

Volume of transported goods other than steel

(unit: 10k metric tons)



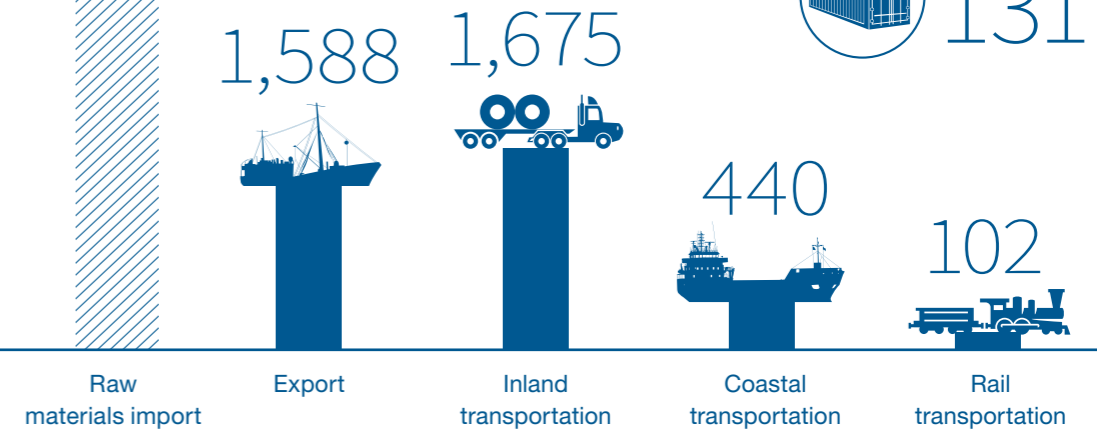
Power-generating coal
678



Grains
259



Containers
131





Domestic Logistics 1

Inland Transportation

 about **20** companies
/ Contracted transport companies

 about **2,000** cars
/ Number of vehicles

POSCO FLOW transports inland by trailers about 16.75 million metric tons of goods and supplies annually with about 20 contracted transport companies based in Pohang and Gwangyang, Korea. The coils, plates, and wire robs produced at the POSCO Pohang and Gwangyang Steelworks are quickly and safely transported from their departure points to their destinations utilizing the warehouse bases across the country.



Vision

- 1 One-click shipment using a smart logistics system**
 - When product shipment is requested, the entire transportation process from the steelworks warehouse to the customer's product warehouse can be done in one-click.
- 2 Provision of timely delivery services to fulfill customer satisfaction**
 - Provide the best transport quality services at the time and location as requested by customers
 - Customized and Optimized vehicle while utilizing regional logistics infrastructure based on the type of product to perform on-time delivery

Service

- Cargo loading inside the steelworks' product warehouse
- Storing in the storage space of transport companies and secondary transport
- Delivery to customer product warehouse
- Steel Product transportation



Annual volume of transported goods

16.75

 million metric tons



Domestic
Logistics 2

Coastal Transportation

 6 companies

/ Contracted coastal shipping companies

 21 ships

/ Fleet operations
(vessels specialized for steel transport)

With Korea's largest coastal transportation infrastructure (coastal bulk carriers / Ro-Ro(roll on-roll off) ships exclusively for steel), we provide the best transportation services to customers. Thanks to our long-accumulated experiences operating coastal transportation and diverse means of transportation that fit each steel product's characteristics, we ensure maximum customer satisfaction. We store products in the best condition utilizing distribution bases and transport them punctually through optimized logistics processes.

Annual volume of transported goods

4.40

 million metric tons

Vision

1 Devising measures for reduced carbon emissions and transportation cost

- Ship coils in matchback contractors for particular sections to reduce both the carbon emissions and transportation cost

2 Transporting the best quality products to our customers

- Manage demurrage and target shipment quantity and monitor sailing orders to fully meet the needs of our customers
- Prevent damages to steel products by using car sets exclusively for coils

Service

Coastal bulk carriers

- Management of Vessel and Manufacturing schedule
- Demurrage and vessel loading schedule monitoring
- Management of Transportation quality and vessel Navigation
- Logistics process improvement

Ro-Ro ships exclusively for steel

- Warehouse storage service at distribution bases
- Transportation services between major logistics hubs
- Management of Transportation quality and vessel Navigation
- On-time delivery service by using secondary transportation





Domestic
Logistics 3

Rail Transportation

 174 railroad cars

/ Cargo train specialized for steel

 2 places

/ Railway distribution bases
(in Uiwang and Obong)

Rail transportation is excellent for planned and timely, weather-proof transportation, and its low carbon emission aspect enables eco-friendly logistics. POSCO FLOW switched the portion of its inland trucking transportation between Pohang and Gwangyang to roadway transportation using matchback. This allowed for not only reduced transportation costs but also punctual delivery fulfilling customer satisfaction.



Vision

1 Reduction of the transportation cost by expanding the volume of transported goods by rail

- Secure transportation cost competitiveness by switching from the existing inland transport by trucks to rail transport
- Improve the efficiency of rail transportation through the matchback of empty trains

2 Realization of eco-friendly logistics policies via railway transportation

- Reduce the carbon emissions by switching from the existing inland transport by trucks to rail transport

Service

- Transporting goods from the warehouse inside the steelworks to the point of rail cargo loading
- Product loading and rail transportation
- Storing products in distribution bases
- Providing last-mile delivery services using secondary transportation

Annual volume of transported goods

1.02 million metric tons



Domestic
Logistics 4

Central Terminal System

CTS

 3.93 million
metric tons

/ Annual carry-out volume

The Central Terminal System (CTS) is a comprehensive logistics service that fulfills clients' needs with diversified transportation modes. It either sources fuel, raw materials, and other large freights from the foreign country of origin or transports them using large vessels and then unloads, stores, and processes them at CTS bases in Gwangyang and Pohang to provide end-to-end logistics services at the customers' desired time.

* Carry-in volume by customer

- POSCO Group 3.30 million metric tons (including 2.75 million metric tons of nickel ore)
- Independent cogeneration power plant 1.14 million metric tons
- Cement companies 1.06 million metric tons
- Power plants 760,000 metric tons
- Others 520,000 metric tons (including 360,000 metric tons of transshipment cargo)

Annual carry-in volume

6.78

 million metric tons

Vision

1 Switching to new businesses with the logistics business of the POSCO Group's eco-friendly and strategic cargo

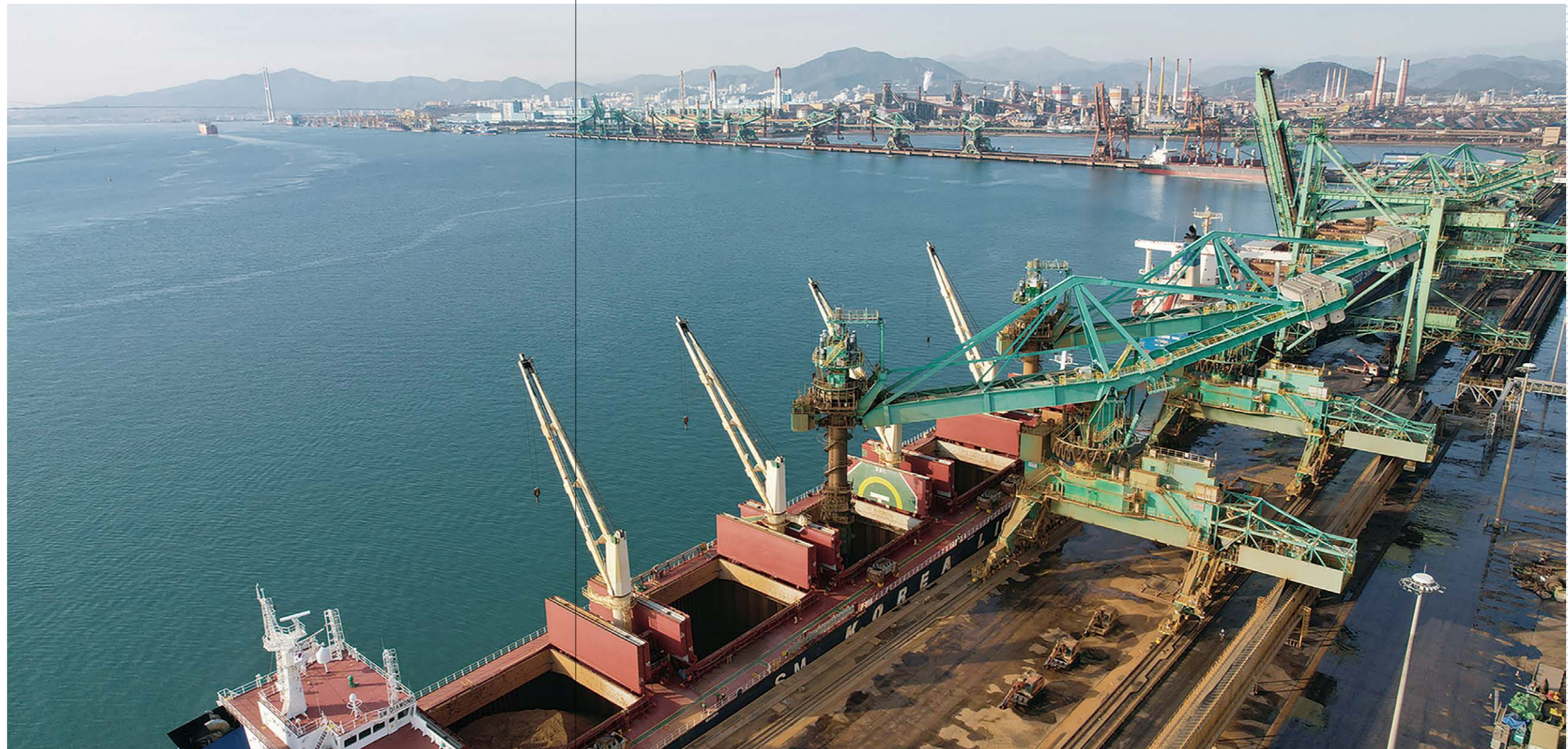
- Expand the logistics services toward POSCO Group's strategic cargo, such as nickel, lithium, and by-products

2 Provision of optimal one-stop services to CTS customers, as well as eco-friendly operation and management of port infrastructure

- Unload, store, process, and deliver just-in-time using the operational know-how accumulated over numerous years
- Reduce carbon emissions from cargo transport and workplaces by enhancing the eco-friendly operation and management of the port infrastructure

Service

- Bulk cargo trading
- Ocean transportation (loading sites – Gwangyang/Pohang)
- Processing (screening, blending, etc.)
- Using bases (carry-in, storage, carry-out)
- Coastal transportation (Gwangyang/Pohang –domestic/abroad)
- Inland transportation (rail, trailers, etc.)





Global Logistics 1

Ocean Transportation(Bulk)

15.88 million metric tons

/ Annual volume of transported steel for export

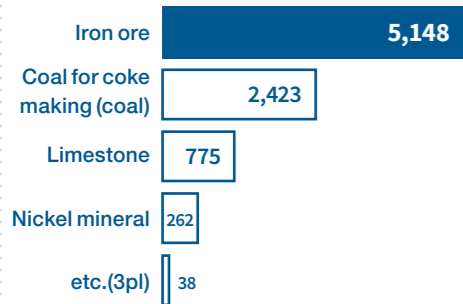
2.59 million metric tons

/ Annual volume of transported grain

86.46 million metric tons

/ Annual volume of transported steel raw materials for import

POSCO FLOW transports bulk cargoes, including steel raw materials, steel products, and grains, between 100 global ports by managing semi-liners for bulk cargoes. POSCO FLOW continues to develop new projects with its integrated smart logistics system and diversified logistics infrastructure, aiming to become the POSCO Group's leader in securing logistics value chain competitiveness. Furthermore, POSCO FLOW plans to establish an eco-friendly supply chain for advanced materials by expanding its transportation system to include hydrogen and industrial gases.



/ Volume of transported steel raw material logistics (as of B/L / Unit: 10,000 metric tons)



Vision

1 Provision of optimal logistics solutions

- Provide ocean bulk transportation services with vessels that meet rigorous standards and through optimized work know-how

2 3PL Consolidation Services for export logistics

- Provide competitive logistics services to customers through 3PL consolidation based on the export volume of steel products within the POSCO Group.

3 Construction of an eco-friendly and economical transportation system

- Expand LNG-powered vessels' long-term transport contracts
- Consider introducing eco-friendly vessels run by ammonia or hydrogen

Service

- Bulk transporting and unloading
- Transporting steel, raw materials, grains, and general cargo
- Transporting lithium for secondary cells, hydrogen, and industrial gas (expected)



Global Logistics 2

Container & Air Transportation

 38 partners
/ Logistics partner businesses

POSCO FLOW not only provides export-import ocean transportation, but also offers container and air logistics services, including global triangular logistics. Through the bidding and contracting of container-air logistics, we support the reservation of shipping schedules, confirmation of work schedules and cargo receipt, and preparation of shipment documents. In addition to the inspection of the Bill of Lading through the actual transportation of cargo, we also provide consulting on cargo tracking related to the shipper and measures for cargo damage. Utilizing these capabilities, we are building a logistics solution for the procurement/production/sale of key materials based on container transportation for the expansion of secondary cell materials and lithium supply networks, beyond the transportation of cargo that we have been performing.



Vision

1 Securing transportation cost competitiveness by utilizing the captive volume of goods of the POSCO Group

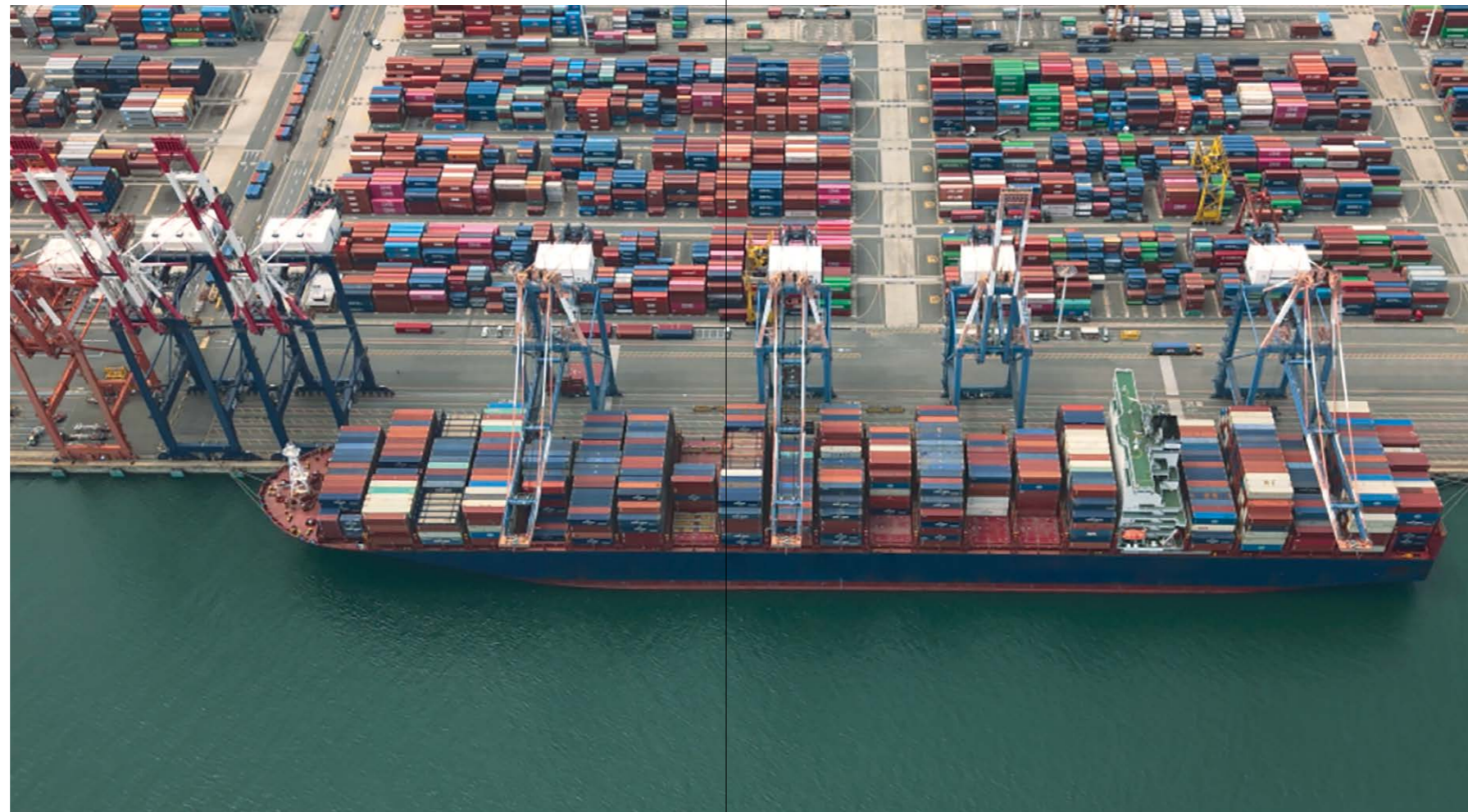
- Reduce the logistics cost through direct contract drafting with shipping companies
- Support small exporting and importing enterprises with shipping

2 Provision of rapid and safe air transportation services

- Provide timely transportation of urgently needed freight to our customers based on the principles of cost-effectiveness, rapidness, and reliability

Annual volume of transported goods

1.31 million metric tons



Service

- Container and air transportation of goods exported from and imported into Korea
- Logistics between three countries worldwide
- Logistics and storage connected with inland transport
- Transportation and warehousing of secondary cell materials





3PL

Third Party Logistics

3PL & SCM



/ Containers

POSCO FLOW provides the optimal transportation method and route according to the characteristics of the customer's product and region, and offers logistics services in various fields by utilizing special containers including dedicated coil containers.



/ Bulk Cargoes

Based on the country's largest bulk cargo volume, we operate semi-regular lines to about 100 ports and provide Non-Stop Service from unloading various Bulk Cargoes such as steel materials, raw materials, grains, and heavy cargo to domestic and international inland transportation.



/ Project Cargoes

Based on POSCO Group's global expansion and factory establishment know-how, we support logistics services in overseas regions where supply network development is difficult, such as North and Central America, South America, Europe, Southeast Asia, and Oceania, through the POSCO FLOW's logistics network.



/ Warehousing Service

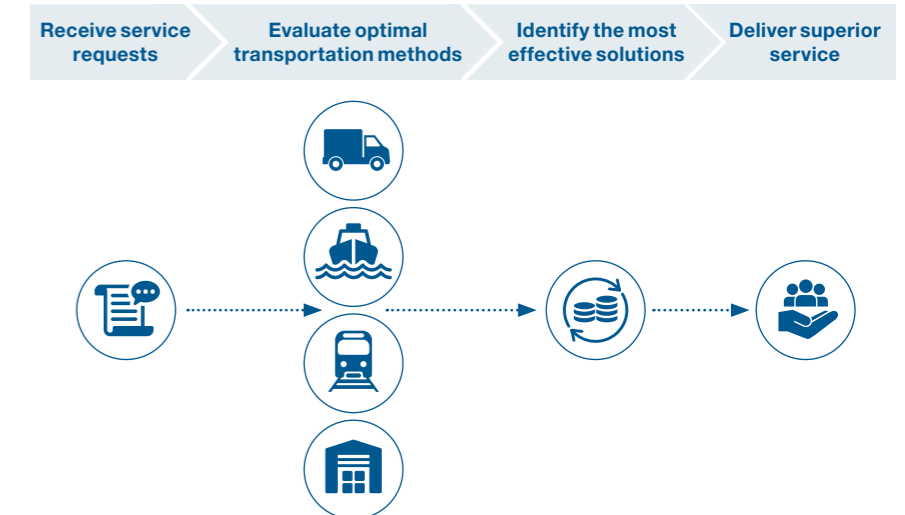
POSCO FLOW provides 3PL operations and storage services at domestic and overseas logistics hubs, and offer customized services for stabilizing customer logistics supply chains through real-time inventory management.

POSCO FLOW's global supply chain offers differentiated logistics consulting services.

POSCO FLOW has built a logistics network in over 130 countries worldwide based on the volume of POSCO Group, and provides customized Door-to-Door 3PL services to shippers outside the group with its unique competitiveness based on ship negotiation power. POSCO FLOW also handles transportation of 130 million tons of containers and bulk annually, and provides All-In Logistics Service from ocean, air, and in-land transportation to storage. In particular, POSCO FLOW operates the largest bulk ship routes in Korea, providing more diverse and fast logistics services with infrastructure and know-how at major ports.



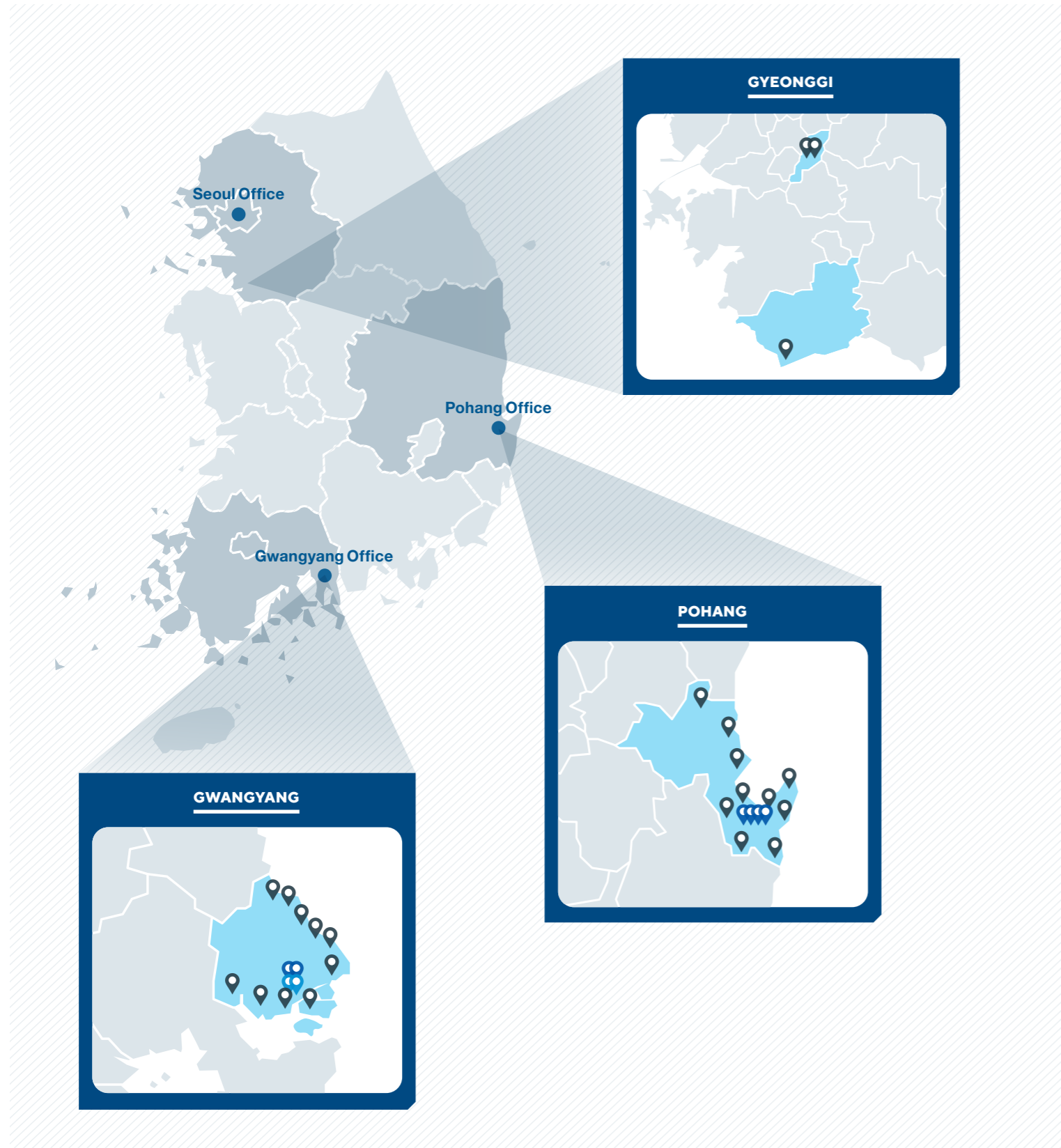
Consulting Process



Logistics Services Specialized by Item

POSCO FLOW offers logistics solutions tailored to the characteristics of 3PL shippers' products, based on the know-how of importing and exporting over 170 types of products handled by group companies such as POSCO, POSCO International, and POSCO FutureM. In the rapidly changing logistics market, it goes beyond the simple movement of goods to build a sustainable and efficient logistics supply network for each product through risk management such as related laws and regulations, allowing customers to focus on product manufacturing and research and development by providing optimized comprehensive logistics services unique to POSCO FLOW. Furthermore, building a global supply belt for each product such as steel, secondary cells, drive motors, palm oil, grain, raw materials, etc., and allows 3PL customers to freely participate in POSCO's logistics supply belt, creating a new paradigm of more economical and smart logistics.

Domestic Network



Major logistics bases in Korea

Partner companies' storage spaces

Warehouses 20 (10 in Gwangyang / 10 in Pohang)

Total storing capacity 1.06 million metric tons



Warehouses (Pohang)

Total area 79,338 m²

Total storing capacity 111,000 metric tons



Rail transportation distribution bases (Uiwang / Obong)

Total area 6,940 m²

Total storing capacity 24,000 metric tons



Coastal transportation distribution base (Pyeongtaek)

Total area 95,870 m²

Total storing capacity 80,000 metric tons



CTS warehouses and yards



Goedong indoor warehouse (Pohang)

Total area 11,570 m²

Total storing capacity 50,000 metric tons



Bonded Warehouse No.3 (Indoor warehouse / Gwangyang)

Total area 10,909 m²

Total storing capacity 60,000 metric tons

R Yard (Pohang)

Total area 9,910 m²

Total storing capacity 50,000 metric tons

Bonded Warehouse No.1 (Yard/Gwangyang)

Total area 113,719 m²

Total storing capacity 420,000 metric tons

Q Yard (Pohang)

Total area 6,610 m²

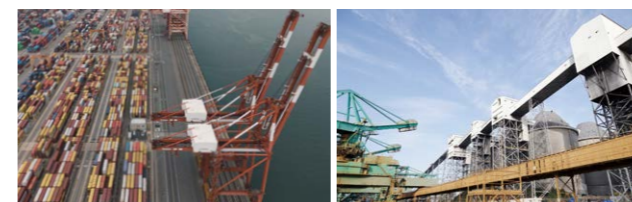
Total storing capacity 30,000 metric tons

Xa Yard (Pohang)

Total area 8,590 m²

Total storing capacity 40,000 metric tons

Ports



7 berths

Location Raw Material Pier in Gwangyang Port

Pier capacity 85,000 DWT

Silo

Specifications 50,000 metric tons x 4 silos

Total storing capacity 200,000 metric tons

Global Network

POSCO Group's Overseas Offices

Canada Toronto, Ontario, Quebec
USA New Jersey, Detroit, Los Angeles, Houston, Atlanta, Chicago
Mexico Mexico City

Panama Panama City
Colombia Bogota
Peru Lima
Brazil Sao Paulo
Argentina Buenos Aires

United Kingdom London
Spain Madrid
Germany Frankfurt
Czech Republic Prague
Italy Milan
Poland Warsaw
Romania Bucharest
Ukrainian Kiev, Mykolaiv
Turkiye Istanbul
Russia Moscow, Vladivostok

Iran Tehran
Saudi Arabia Dammam
United Arab Emirates Dubai
Japan Tokyo, Osaka, Nagoya
China Beijing, Shanghai, Guangzhou, Shenyang, Qingdao, Wuhan, Chengdu, Taipei

Morocco Morocco
Algeria Algiers
Egypt Cairo
Sudan Khartoum
Nigeria Lagos
Kenya Nairobi
South Africa Johannesburg
Pakistan Lahore
India Newdelhi / Pune / Chennai
Bangladesh Dhaka
Myanmar Yangon
Thailand Bangkok
Vietnam Hochiminh / Hanoi
Malaysia Kuala Lumpur
Singapore Singapore

Kazakhstan Almaty
Uzbekistan Tashkent, Fergana, Bukhara
Indonesia Jakarta
Philippines Manila
Papua New Guinea Lae
Australia Sydney



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