



Fukuoka Growth

05 Gateway for People and Products

(Version 1.0)

Growth Potential of Fukuoka City

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Fukuoka City has all the terminals of sea route, sky route, and railroad located in or near the city center.

Also, Fukuoka Expressway directly connects the city center to the wider-area of road network.

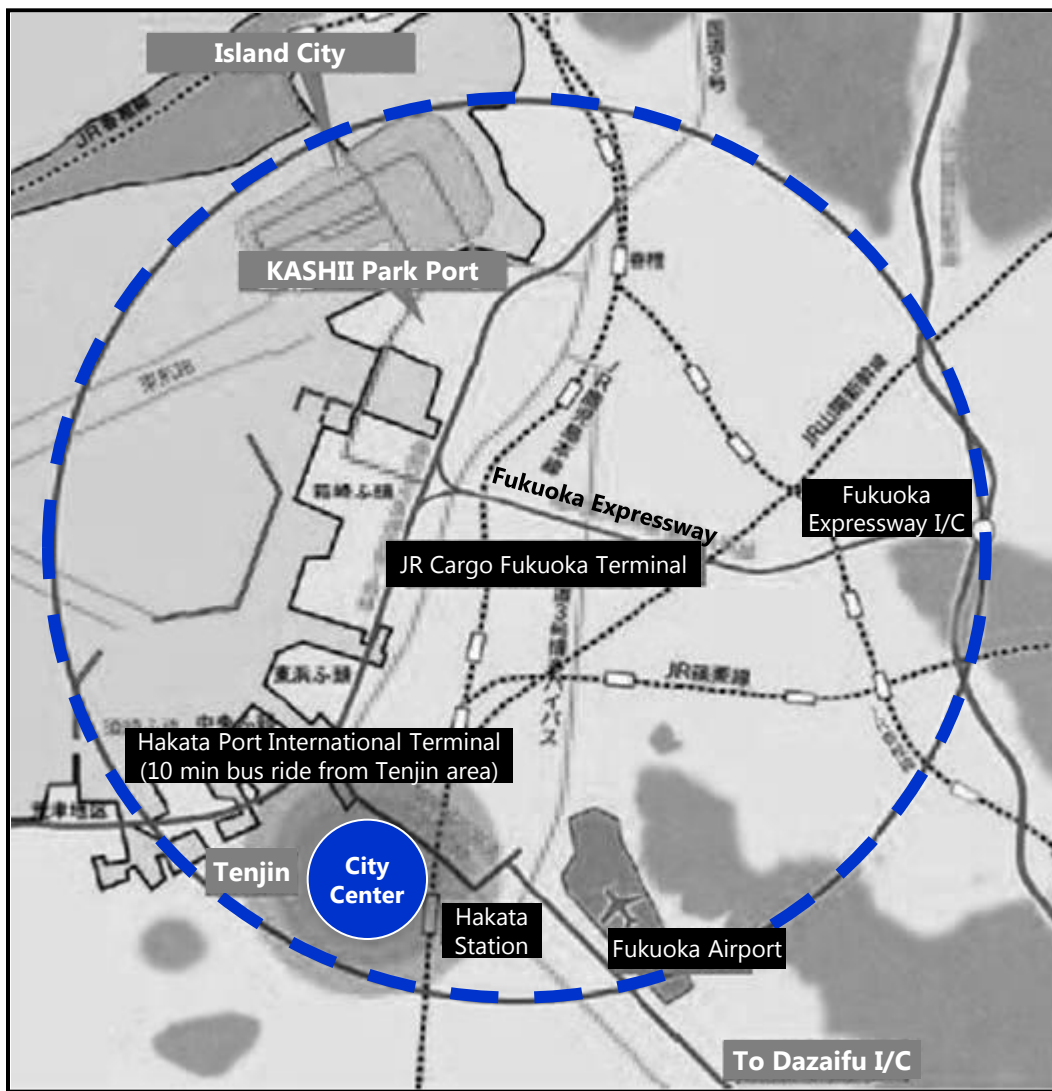
The terminals located in the compact area relieve people from stress of transporting to or from the destination, and let them have the efficient stay in the city on business or leisure. Fukuoka City has direct routes to large hub airports in Asia and Europe, and plays an important role as a gateway connecting Japan and the world.

Hakata Port has a history of “International Port” for more than 1,200 years. It proves that Fukuoka City is the best place as a hub to connect international person trips and logistics. The current rapid growth of the Asian economy also explains that Fukuoka City is the best location in Japan as a strategic base connecting Japan and Europe and Asia.

As a gateway to the world, Fukuoka City could develop new potential in Kyushu and Japan by directly connecting diversified culture and value.

Compact city center with convenient access to sky route, sea route, railroad, and expressway.

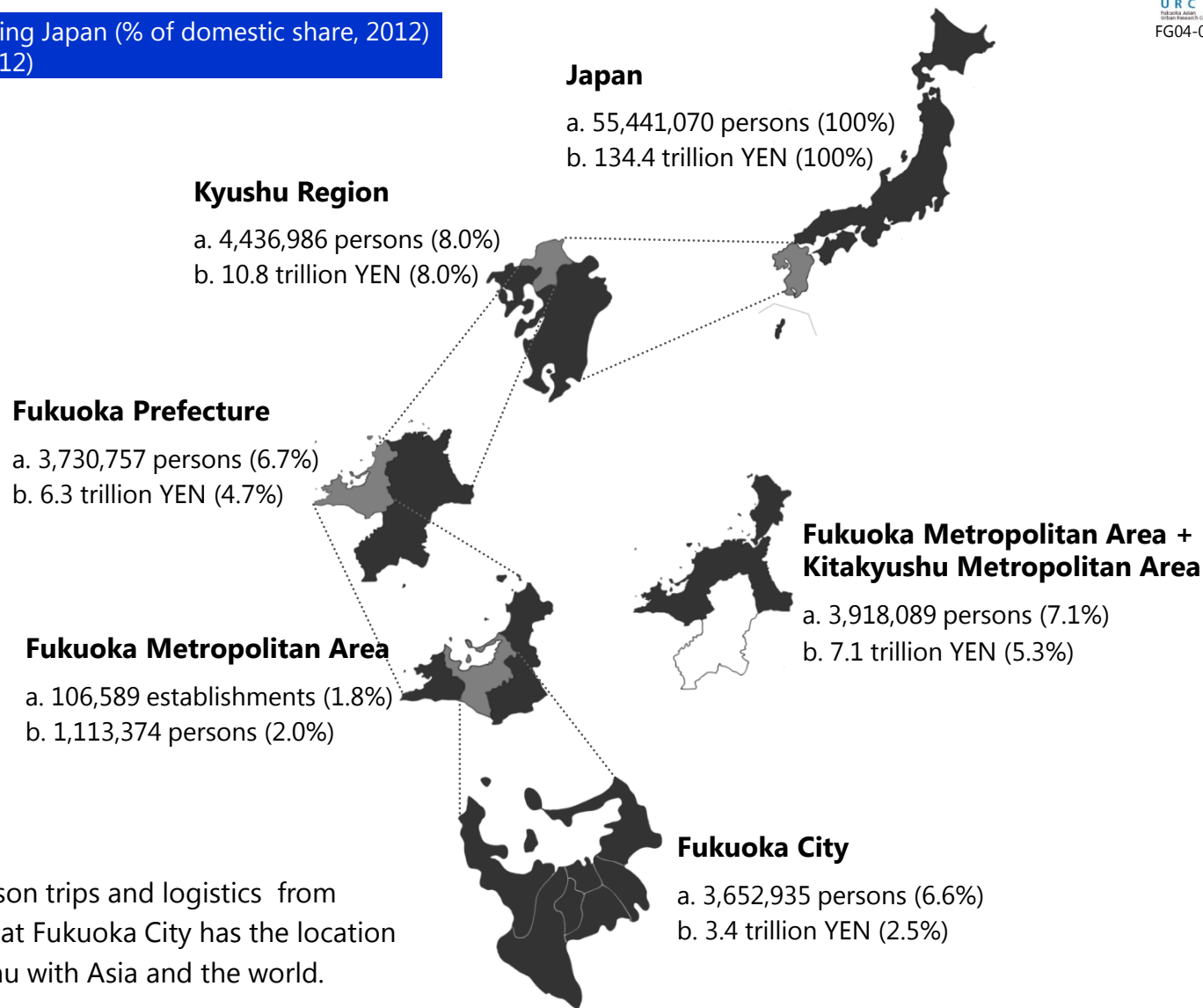
Transportation System within a Radius of 5 kilometers



Fukuoka City has the terminals of land route, sky route, sea route, and railroad in the compact area near the city center. It is superior in convenience for transportation of people and products.

Center of person trips and logistics as a gateway of Kyushu.

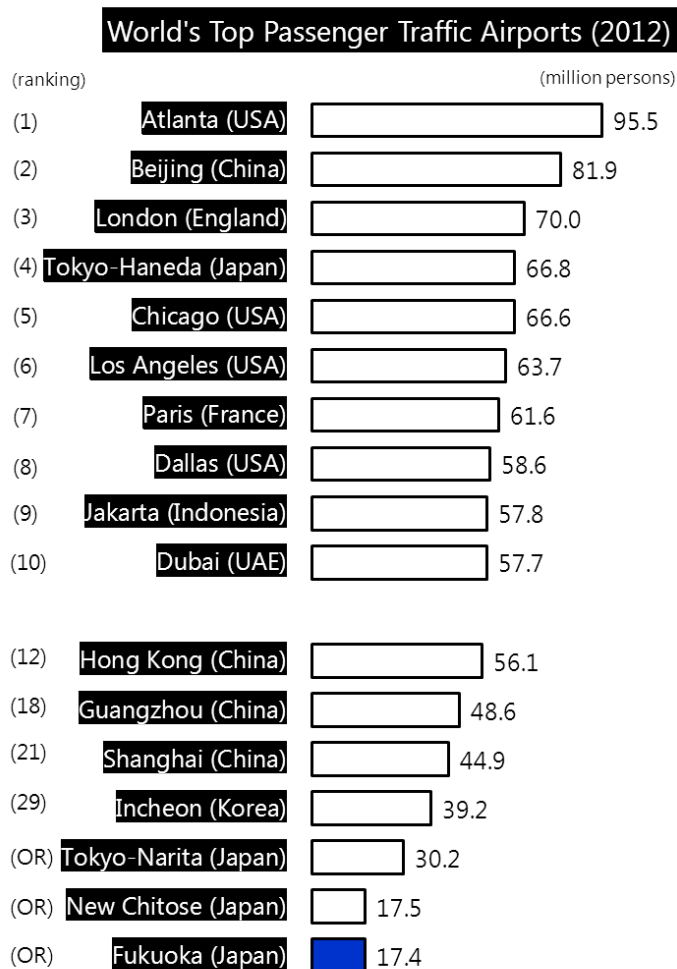
a. Number of People Entering & Departing Japan (% of domestic share, 2012)
b. Trade Value (% of domestic share, 2012)



Fukuoka City is the center of person trips and logistics from Kyushu and overseas. It shows that Fukuoka City has the location advantage as a gateway of Kyushu with Asia and the world.

Note: Fukuoka Metropolitan Area (9 cities and 8 towns in total) includes Fukuoka city, Chikushino city, Kasuga city, Onojo city, Munakata city, Dazaifu city, Koga city, Fukutsu city, Itoshima city, Chikushi-gun Nakagawa town, Kasuya-gun Umi town, Sasaguri town, Shime town, Sue town, Shingu town, Hisayama town, Kasuya town. Kitakyushu Metropolitan Area (7 cities and 11 towns in total) includes Kitakyushu city, Nogata city, Yukuhashi city, Buzen city, Nakama city, Wakamiya city, Onga-gun Ashiya town, Mizumaki town, Okagaki town, Onga town, Kurate-gun Kotake town, Kurate town, Miyako-gun Kanda town, Miyako town, Chikugo-gun Yoshitomi town, Kouge town, Chikugo town, Yamaguchi prefecture Shimonoseki city.
Sources: Ministry of Finance. Trade Statistics (2012, including preliminary results); Ministry of Justice. Statistical Survey on Legal Migrants (2012).

[People Trip] More than 50 million passengers per airport at the busiest airports.

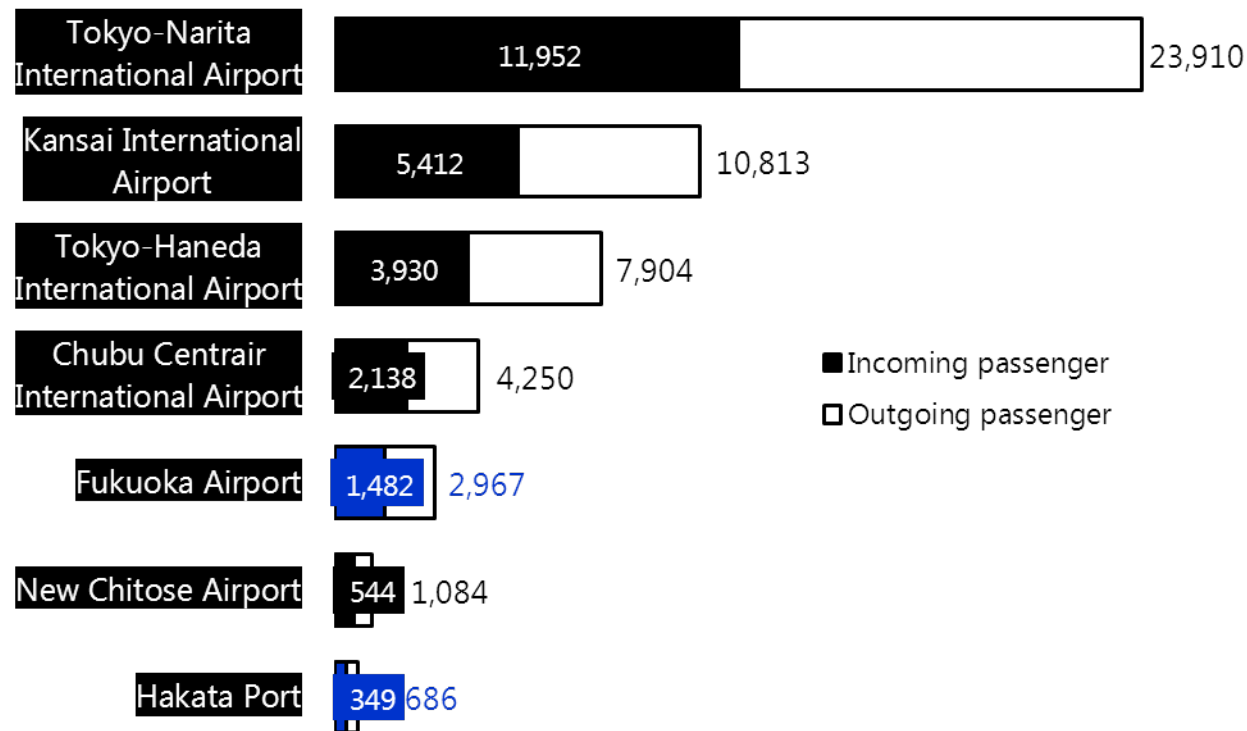


Most of world's busiest airports have more than 50 million passengers. Tokyo-Haneda Airport ranks the 4th in the world's ranking, which is the 1st place in Japan. Besides the airports in the U.S.A. and Europe, Beijing Airport and Jakarta Airport are ranked in the top 10 airports, and many other major airports in China and Korea are ranked in the top 30 world airports. Although Tokyo-Narita Airport is not ranked in the top 30 airports, it is located in the Tokyo Capital Region as well as Tokyo-Haneda Airport, and the total number of passengers at both airports will exceed the world's top 3 passenger traffic airports. The number of passengers at Fukuoka Airport is approximately 17.40 million.

OR = Out of Ranking.

Sources: ACI – Airports Council International (2012 preliminary results); Ministry of Land, Infrastructure, Transport and Tourism - Tokyo Regional Civil Aviation Bureau / Osaka Regional Civil Aviation Bureau (2012 preliminary results).

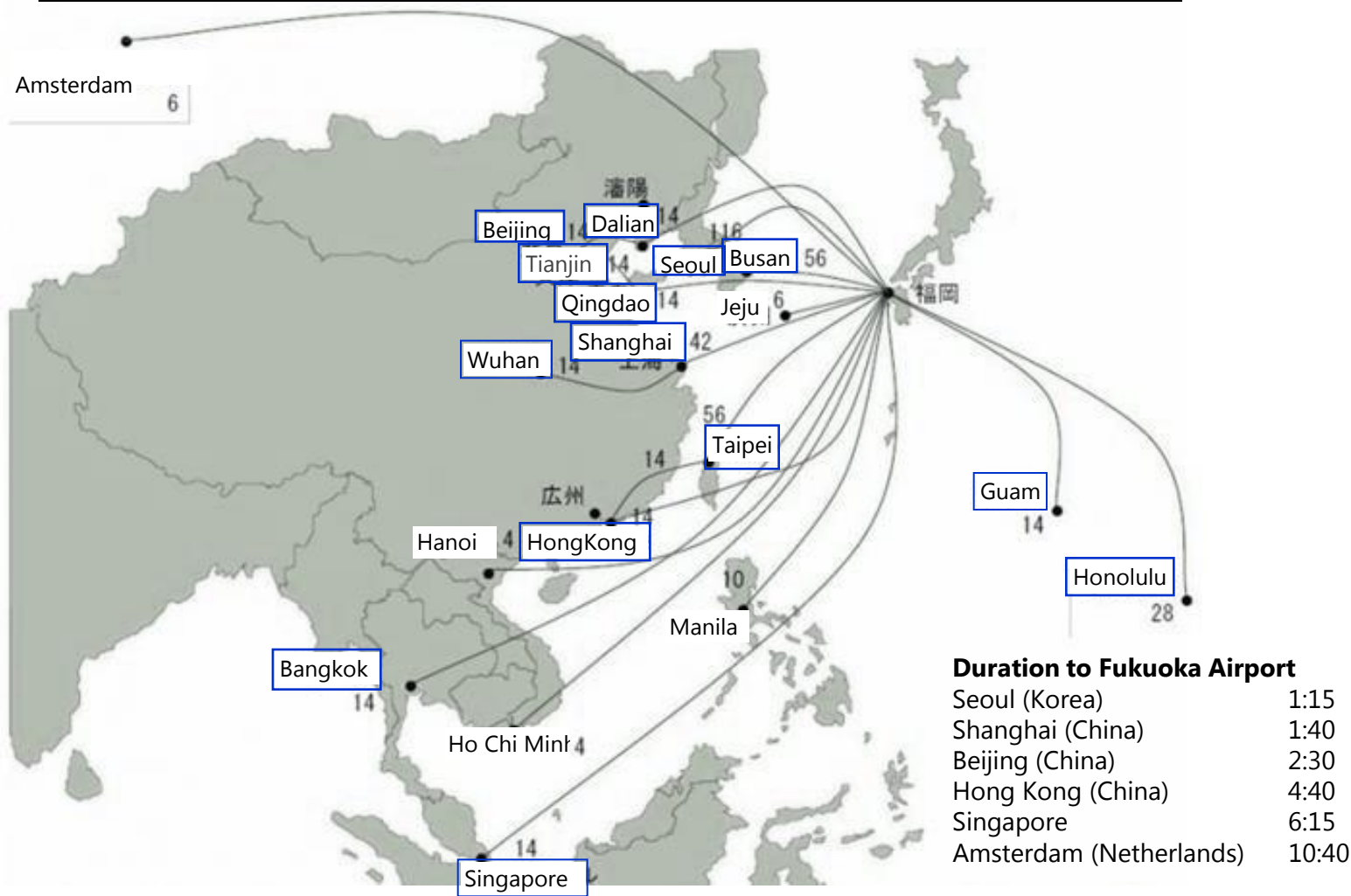
Top 7 Japan Airports & Ports, Number of Foreign Nationals Entering & Departing Japan (2012)
(thousand persons)



Fukuoka Airport has the 5th largest number of foreign nationals entering and departing Japan on international routes among airports and ports in Japan, following the large metropolitan areas as Tokyo Capital Region and Kansai Region. Hakata Port also has the 7th largest number following New Chitose Airport (Sapporo). Fukuoka City has a role as an important gateway of sky route and sea route for international travelers.

Airway network expanding worldwide.

International Flight Routes from Fukuoka Airport, Number of Flights per Week



Due to its exceptionally high convenience from city center (5 minutes by subway), Fukuoka Airport has a large number of international flight routes, including daily flights to Asian cities and a direct flight to Amsterdam which is the hub airport in Europe.

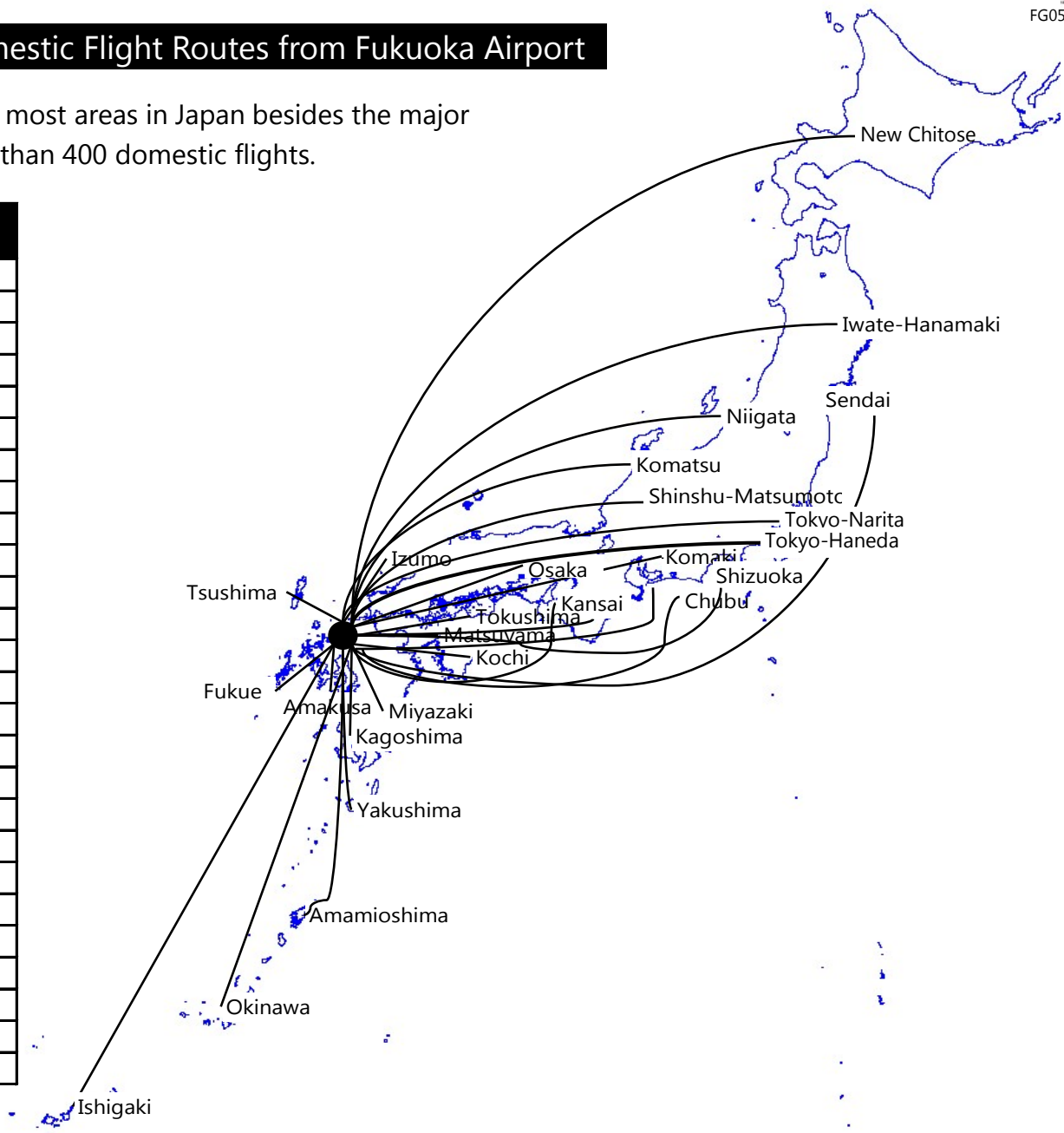
Note: Counted one way as one flight. Cities surrounded with a blue square are daily flight routes.
 Source: Fukuoka Prefecture, Office of Airport Planning and Programming (June 2012).

400+ Domestic flights per day.

Domestic Flight Routes from Fukuoka Airport

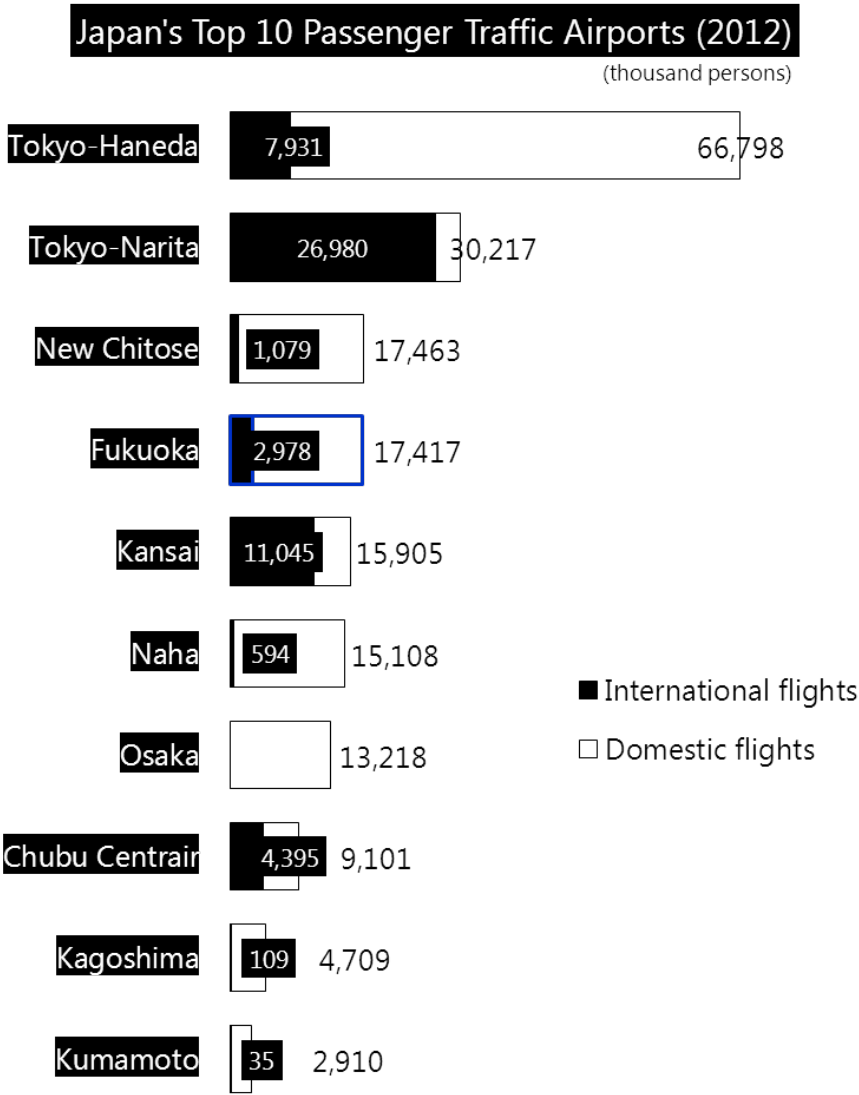
Fukuoka Airport has regular flight routes to most areas in Japan besides the major routes to Tokyo and Osaka. There are more than 400 domestic flights.

	Domestic Airport	Flights per day
(1)	Tokyo-Haneda	162
(2)	Tokyo-Narita	30
(3)	Osaka	32
(4)	Kansai	12
(5)	Nagoya-Chubu	28
(6)	Nagoya-Komaki	10
(7)	Okinawa	34
(8)	Miyazaki	30
(9)	Sendai	16
(10)	Matsuyama	10
(11)	New Chitose	8
(12)	Fukue	8
(13)	Tsushima	8
(14)	Shizuoka	6
(15)	Niigata	6
(16)	Komatsu	6
(17)	Kochi	6
(18)	Amakusa	6
(19)	Izumo	4
(20)	Tokushima	4
(21)	Kagoshima	4
(22)	Iwate-Hanamaki	2
(23)	Shinshu-Matsumoto	2
(24)	Yakushima	2
(25)	Amamioshima	2
(26)	Ishigaki	2



Note: Counted one way as one flight.
Source: Fukuoka Airport Building Co.,Ltd. (August 2012).

Fukuoka Airport: Japan's 4th busiest airport.



Fukuoka Airport is the 4th airport in Japan with the number of annual passengers.

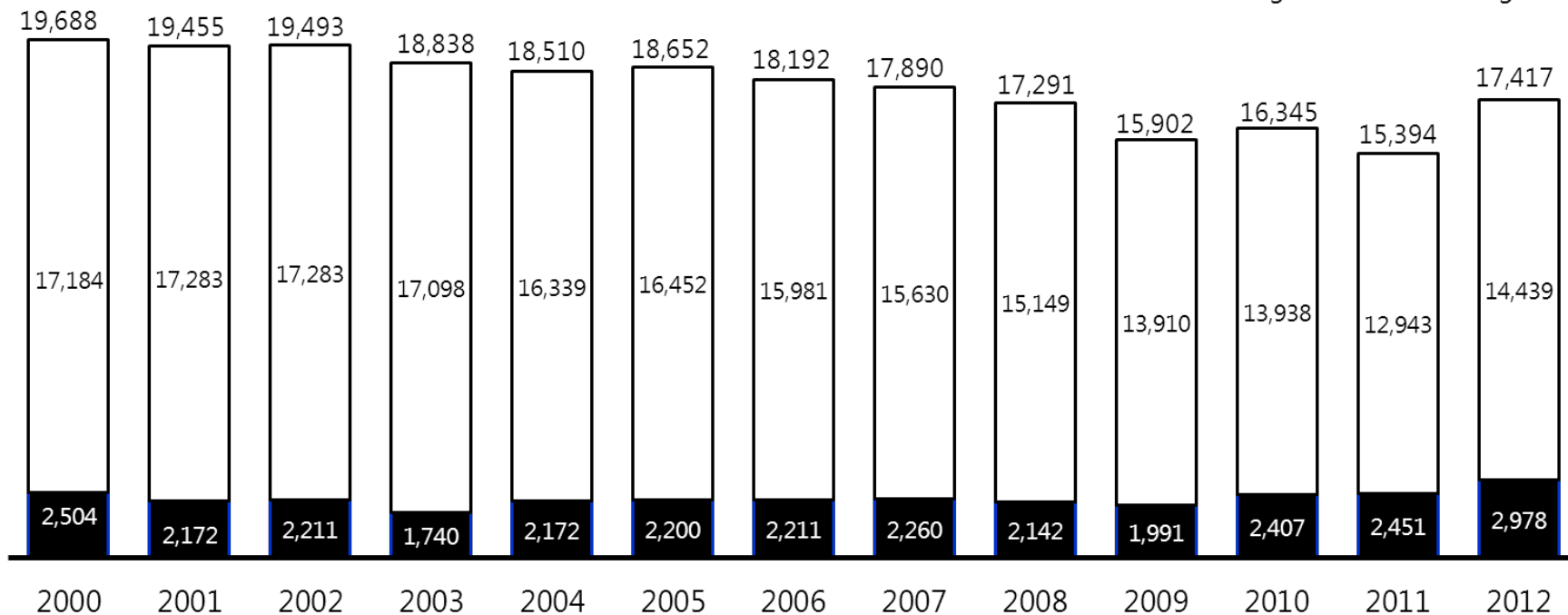
Note: Data for 2012 is preliminary result. Top 3 airports with total number of arrivals and departures in 2011 are 1st) Tokyo-Haneda 379,670 times, 2nd) Tokyo-Narita 184,758 times, 3rd) Fukuoka 139,106 times, according to the source from Fukuoka Prefecture.
 Source: Ministry of Land, Infrastructure, Transport and Tourism - Osaka Regional Civil Aviation Bureau. Airport Management Survey Report.

Passenger numbers are turned from downward to upward trend at Fukuoka Airport.

Trends in Number of Passenger at Fukuoka Airport (2000-2012)

(thousand persons)

■ International flights □ Domestic flights



Due to the industry trend of downsizing airframes, the number of passengers on domestic flights at Fukuoka Airport had been decreasing, but it increased again in 2012. The new LCC at Fukuoka Airport will increase the number of flights besides its partial start of service. The airport also has a plan of adding runways. These will increase the number of flights, and lead to the growth of passengers at the airport.

LCC = Low-Cost Carrier

Note: Data for 2012 is preliminary result.

Source: Ministry of Land, Infrastructure, Transport and Tourism - Osaka Regional Civil Aviation Bureau. Airport Management Survey Report.

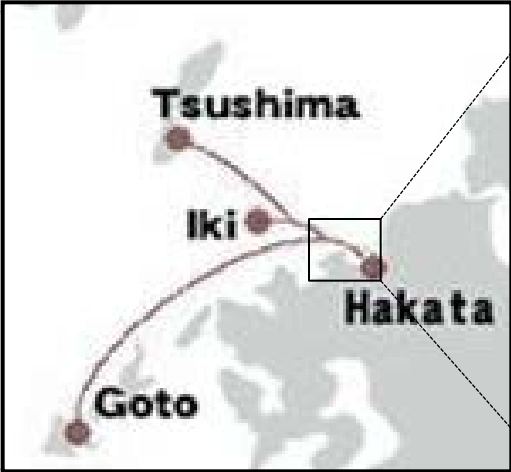
Hakata Port: domestic and overseas passenger junction.

Daily Passenger Ships at Hakata Port

International route (Hakata, Japan – Busan, Korea)



Isolated island route



Inside Gulf, Short distance route



Category	Destination	# of round-trip ships per day	Duration (minimum)
International Route	Busan	1	5:30
		7 JFs	2:55

Category	Destination	# of round-trip ships per day	Duration (minimum)
Isolated island Route	Iki • Tsushima	5	4:35
		5 JFs	2:15
	Goto	1	9:00

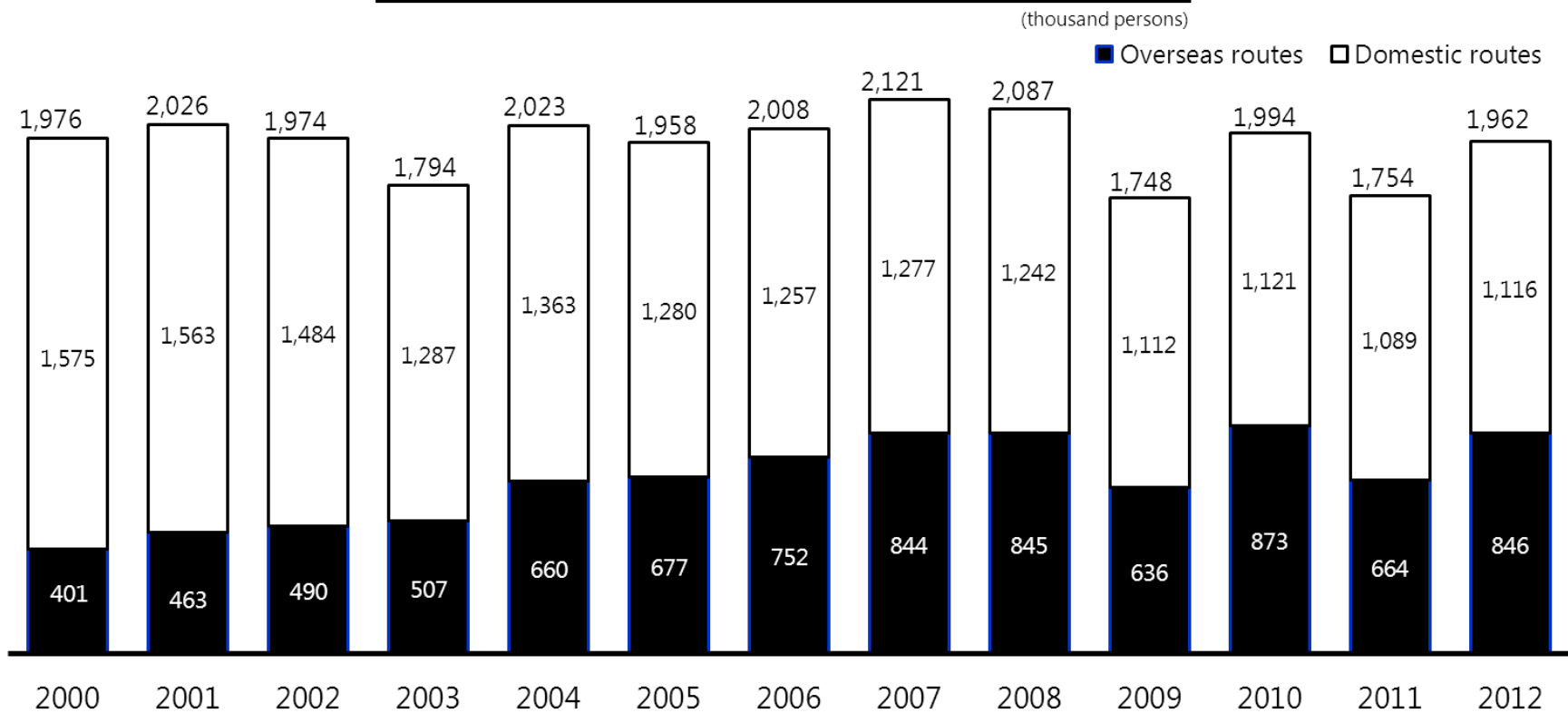
Category	Destination	# of round-trip ships per day	Duration (minimum)
Inside the Gulf of Hakata Short distance Route	Hakata-Umino Nakamichi	7	0:15
	Hakata-Shikanoshiima	16	0:33
	Momochi-Uminonakamichi	7	0:15
	Meinohama-Nokonoshima	23	0:10
	Hakata-Genkaijima	7	0:35
	Meinohama-Oronoshima	2	1:05

As a gateway of seaway, Hakata Port has nationally unique regular international passenger ships, as well as the only international route operated by Jetfoil in Japan. The Jetfoil service from Hakata Port to Busan Port (Korea) runs 7 round trips per day, and it connects the two ports only in 2 hours and 55 minutes the fastest.

JF = Jetfoil (a passenger-carrying waterjet-propelled hydrofoil).
Source: Fukuoka City, Port & Harbor Bureau (August 2013).

Major overseas passenger sea route b/w Korea & Japan.

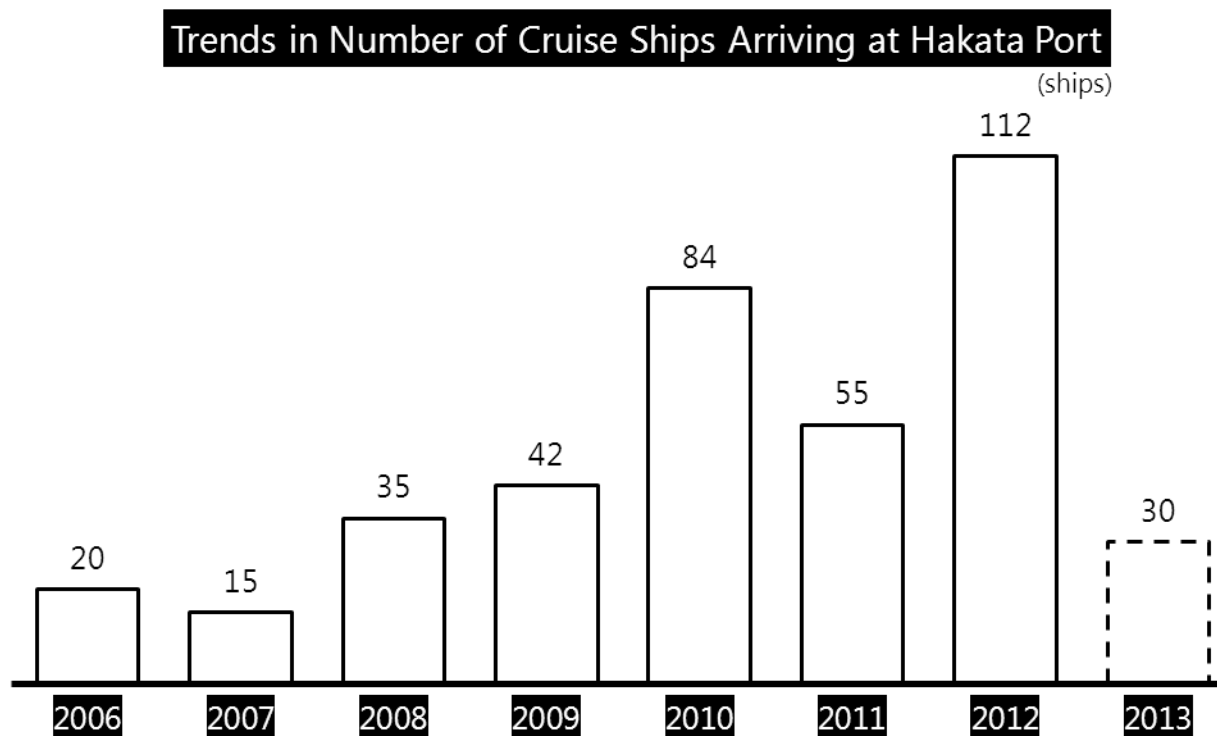
Trends in Number of Passengers at Hakata Port (2000-2012)



The largest number of international sea route passengers in Japan can be easily influenced by the economic situation, international affairs, and exchange rate, however, it has a tendency of quick recovery. The sea route between Busan Port and Hakata Port has become a firm transportation connecting Busan City and Fukuoka City.

Note: Data for 2012 is preliminary result.
Source: Fukuoka City, Port & Harbor Bureau. Port of Hakata Yearly Statistics.

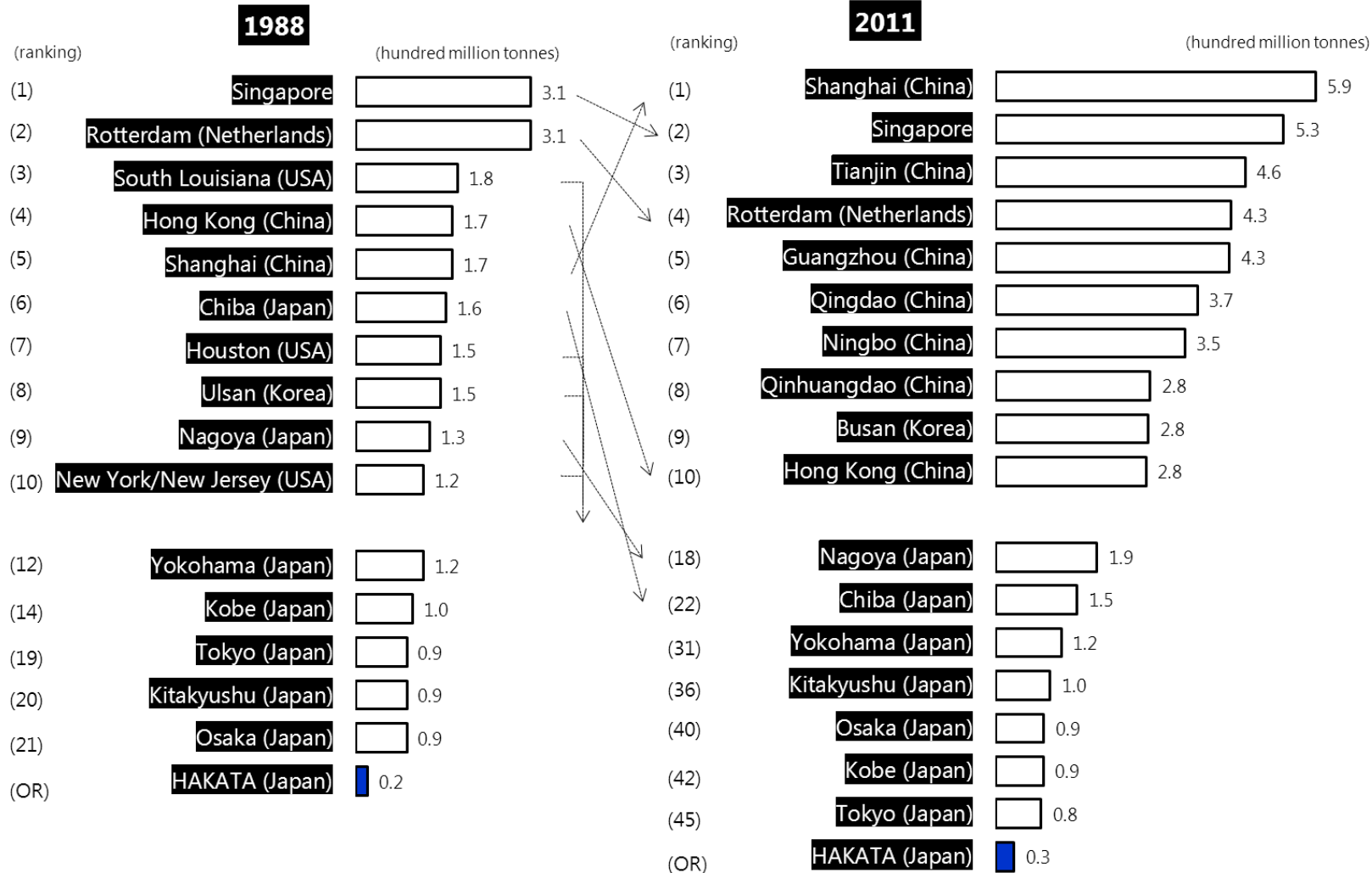
No.1 port with overseas cruise ship traffic in Japan.



Hakata Port is the busiest port in Japan with number of port calls by a large-scale cruise ship carrying a few thousand passengers at once. It cannot be denied that the number of port calls is influenced by international affairs, but it continues its upward trend due to the diversification of customer's needs.

[Logistics] Center of global logistics has shifted in Asia.

World's Top Cargo Traffic Ports



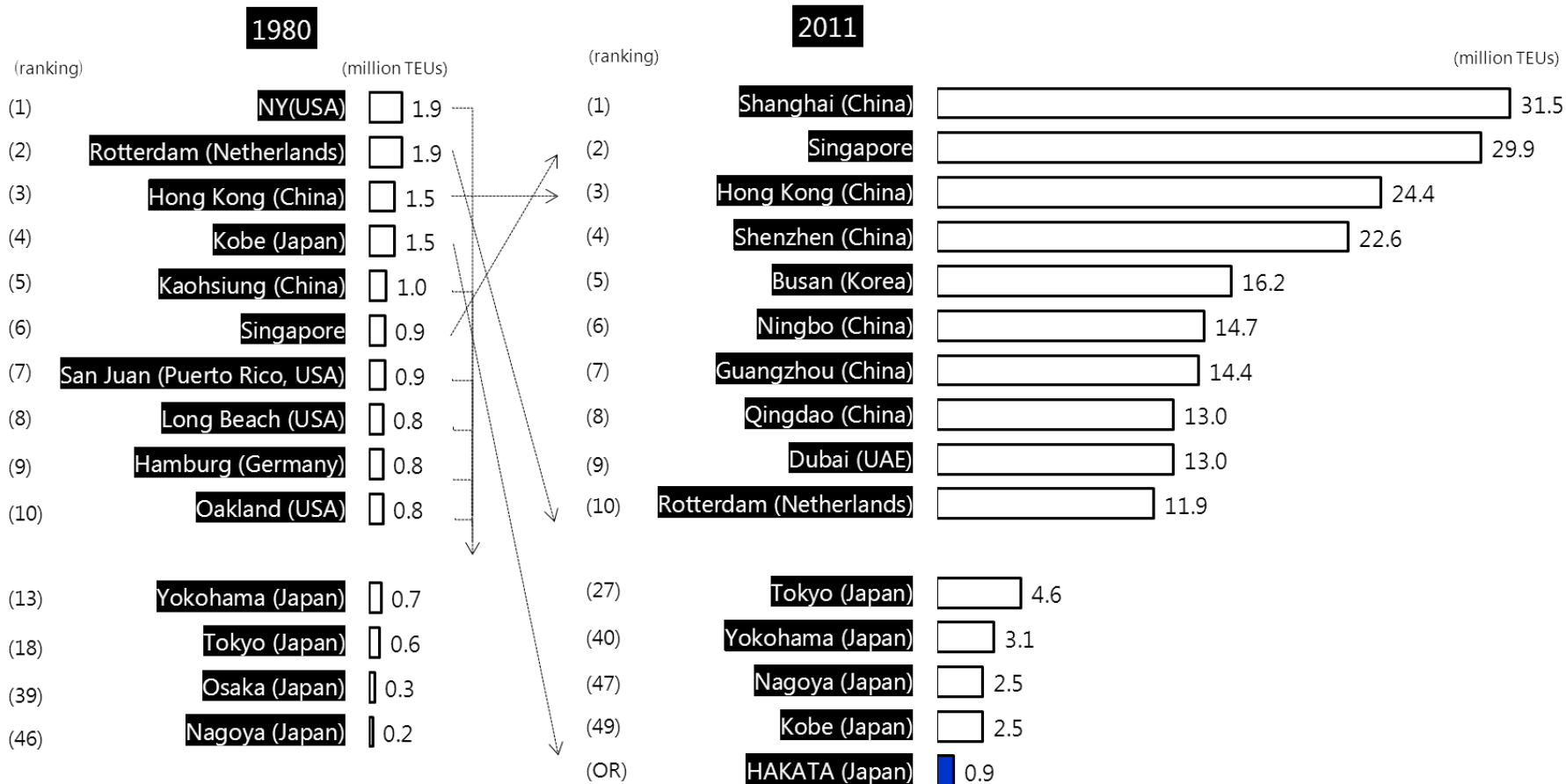
The rise of logistics in Asian nations is outstanding in the world, and especially the cargo traffic and the number of hub ports in China have risen rapidly. Japan used to have two ports in the world's top 10 cargo traffic ports, but the relative status has declined. The cargo traffic at Hakata Port is much smaller than the amount at other top Asian ports.

OR = Out of Ranking.

Sources: American Association of Port Authorities. World Port Rankings (2011); Ministry of Land, Infrastructure, Transport and Tourism. Ports and Harbours Yearly Statistics (2011).

Container traffic has increased at Asian ports.

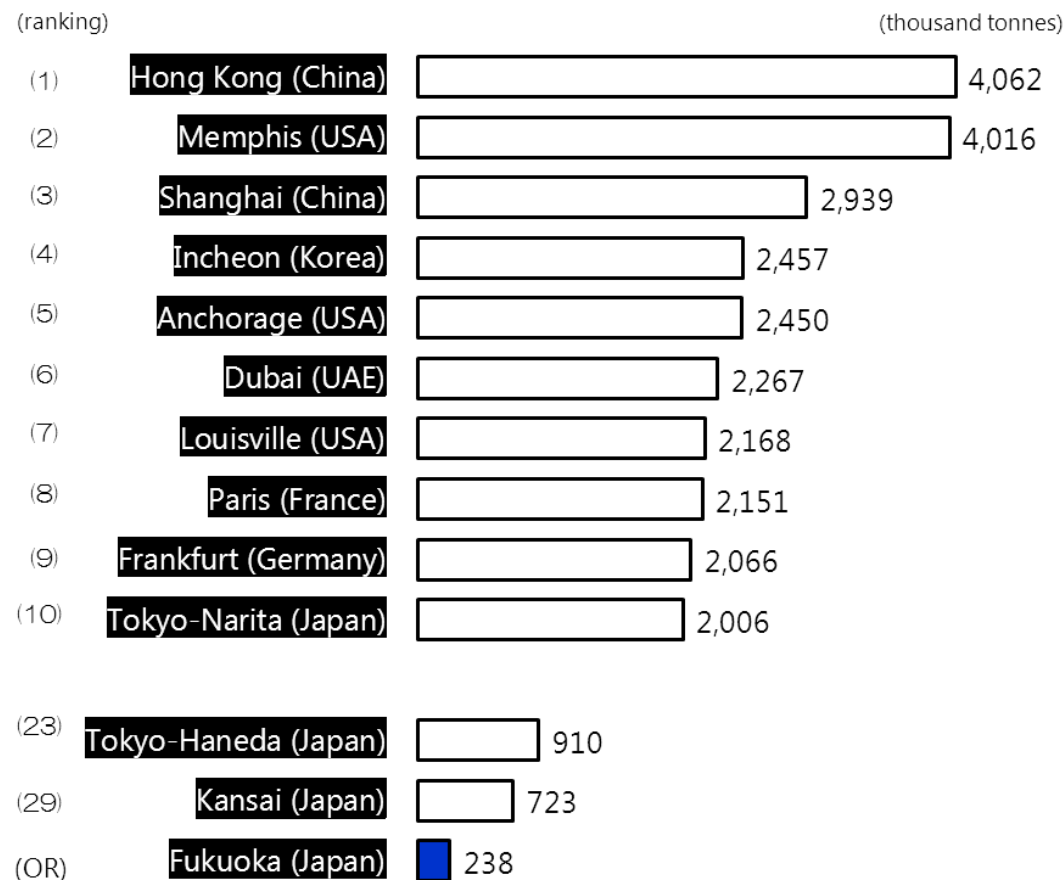
World's Top Container Traffic Ports



The rise of container traffic at ports in China and Korea are more remarkable than the cargo traffic. It indicates that the size of the ports in both countries have become enormously large.

Most busiest airports with air freight traffic are located in China and USA.

World's Top Total Cargo Traffic Airports (2012 preliminary ranking)

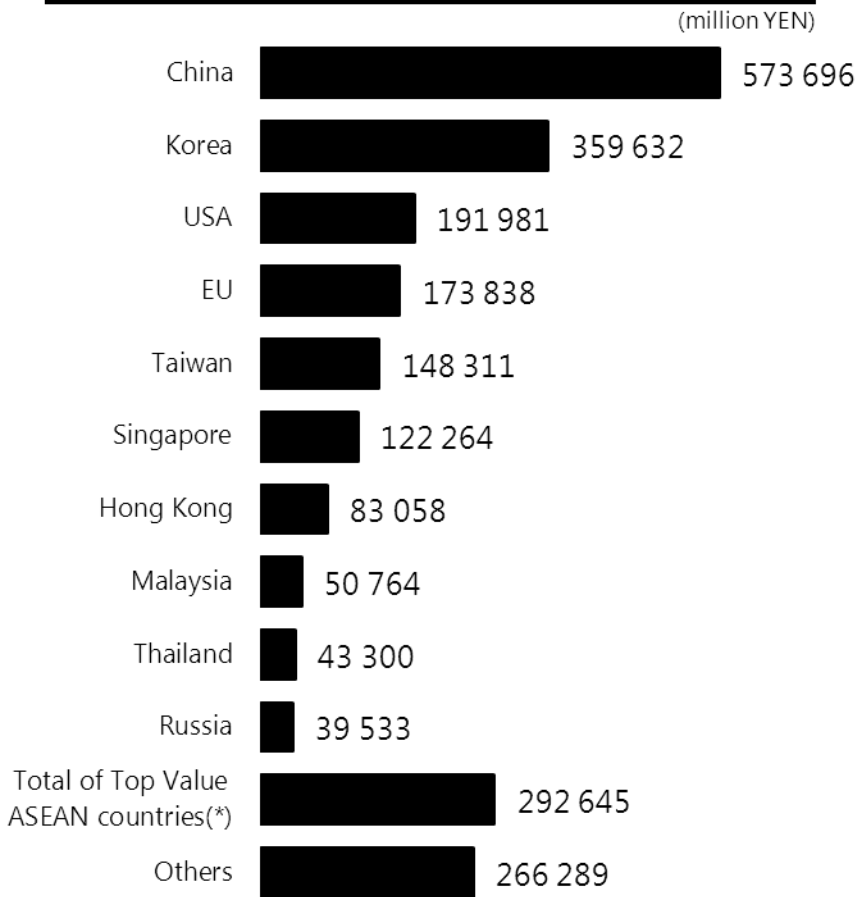


The amount of air freight at airports not only in China but also in the United States and Europe is large. In Japan, Tokyo-Haneda Airport and Kansai Airport have slightly large air freight traffic.

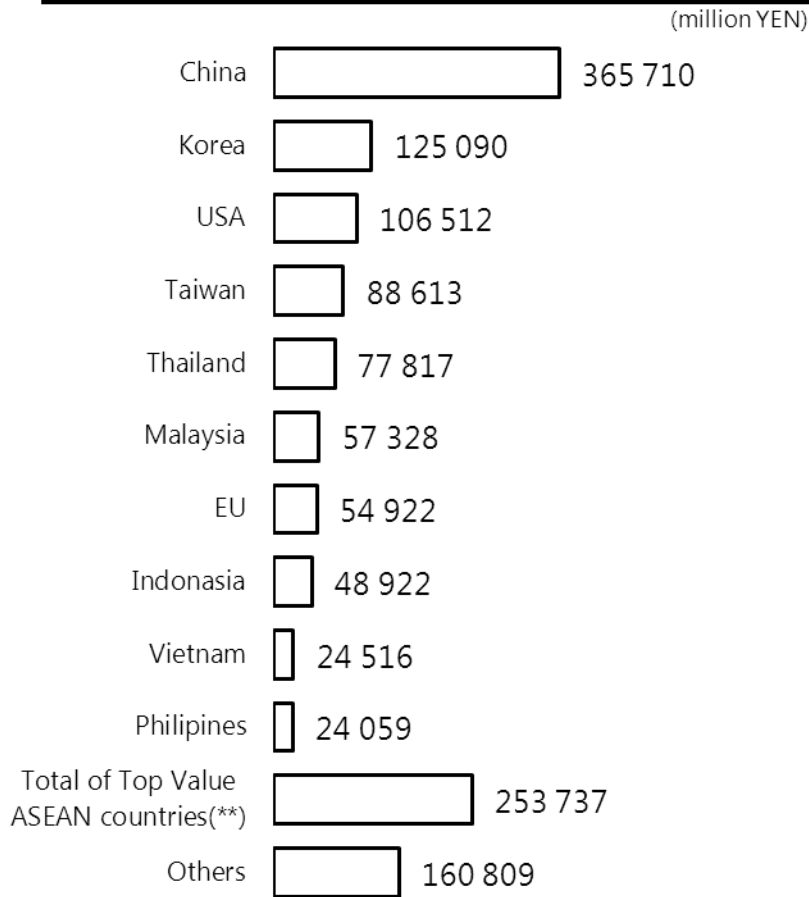
The logistics requiring high speed use air freight. Memphis Airport and Anchorage Airport operate as home to FedEx Express, and Louisville Airport operate as home to UPS, which increases the amount of cargo traffic at these airports.

Active trade with China, Korea, ASEAN nations, EU and America.

Export Value by Country/Region,
Total at Fukuoka Airport & Hakata Port (2011)



Import Value by Country/Region,
Total at Fukuoka Airport & Hakata Port (2011)



The two top nations of the total trading partners at Hakata Port and Fukuoka Airport are China and Korea. The United States, EU, and Taiwan are also the large trading partners at the ports. Calculating the total of trading values with the ASEAN countries make them be the largest trading partner following China and Korea.

Note: Total of top export value ASEAN countries (*)are the total of export value with Singapore, Malaysia, Thailand, Philippines, Vietnam, Indonesia. Total of top import value ASEAN countries (**) are the total of import value with Thailand, Malaysia, Indonesia, Philippines, Singapore.
Source: Moji Customs. Foreign Trade Chronological Table.

Hub port for overseas logistics connecting Japan with Asia, North America, and Europe.



Directly Calling Ports of International Liner Container Routes from HAKATA Port

36 routes, 204 services per month, 45 ports in 15 countries/regions (as of Aug. 2013)

● North America	1 route, 4 services per month
• United States	Dutch Harbor, Los Angeles, Oakland
● Europe	1 route, 4 services per month
• Belgium	Antwerp
• England	Felixstowe
• France	Le Havre
• Germany	Bremerhaven, Hamburg
• Netherlands	Rotterdam
● Southeast Asia	12 routes, 48 services per month
• Malaysia	Pasir Gudang, Port Kelang, Tanjung Pelepas
• Philippines	Manila, Cagayan de Oro
• Singapore	Singapore
• Taiwan	Kaohsiung, Keelung, Taichung, Taipei
• Thailand	Bangkok, Laem Chabang
• Vietnam	Da Nang, Hai Phong, Ho Chi Minh
● Northeast Asia	22 routes, 148 services per month
• Russia	Vladivostok
• China	Chiwan, Dalian, HongKong, Lianyungang, Nansha, Ningbo, Qingdao, Shanghai, Shekou, Taicang, Tianjin, Weihai, Xiamen, Yantai, Yantian, Zhanjiang
• Korea	Busan, Kwangyang, Masan, Ulsan

Japan's 1st "Gold Port Environment Award"
received by IAPH (May 2013)

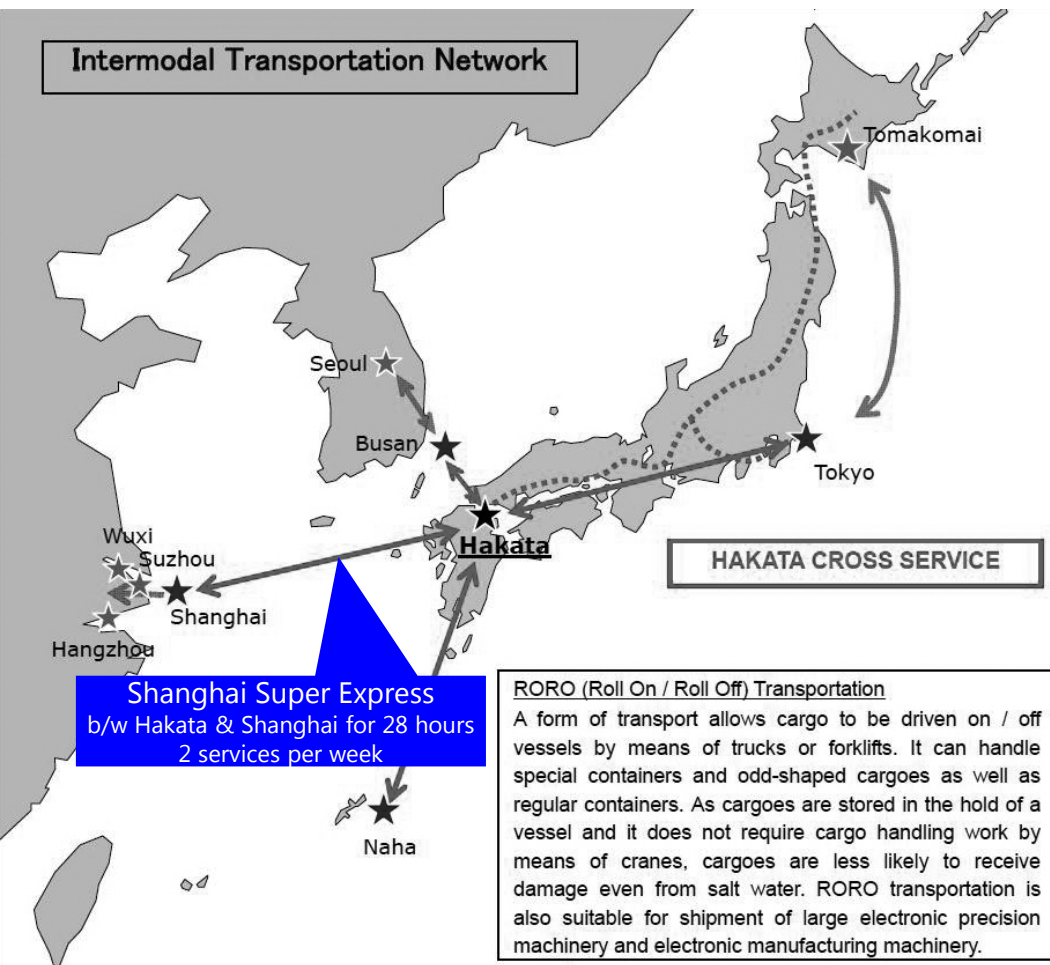
IAPH (International Association of Ports and Harbors) evaluated as "Environmental Initiative and Measures to keep the terminal operation in times of disaster at Hakata Port International Container Terminal"

- 1) Reduce 74% of CO₂ (2,142 tones per year)
- 2) Reduce 68% of Energy cost ※verifying

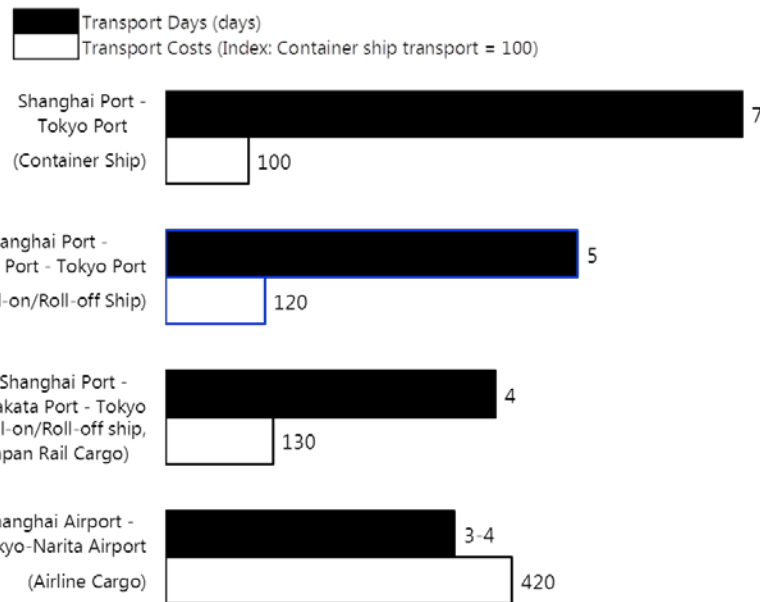
Hakata Port has not only the regular container routes to the growing Asian ports but also to the ports in North America and Europe, which indicates that it is the important hub port connecting Japan with Asia and the world. The port is in the process of modernize the port terminal, aiming to shorten the loading time and have an environment-friendly facility by applying the high technology. In May this year, the port was awarded the Japan's first "Gold Port Environment Award".

Note: URC added translations to the map.
Source: Fukuoka City. http://island-city.city.fukuoka.lg.jp/business/harbor/harbor_1.html (accessed on 27 Aug 2013).

The best transport route b/w China & Japan in terms of costs and time.



Comparison of Transport Days & Cost between Tokyo and Shanghai by Mode of Transportation



Widely shorten the loading and inspection time.

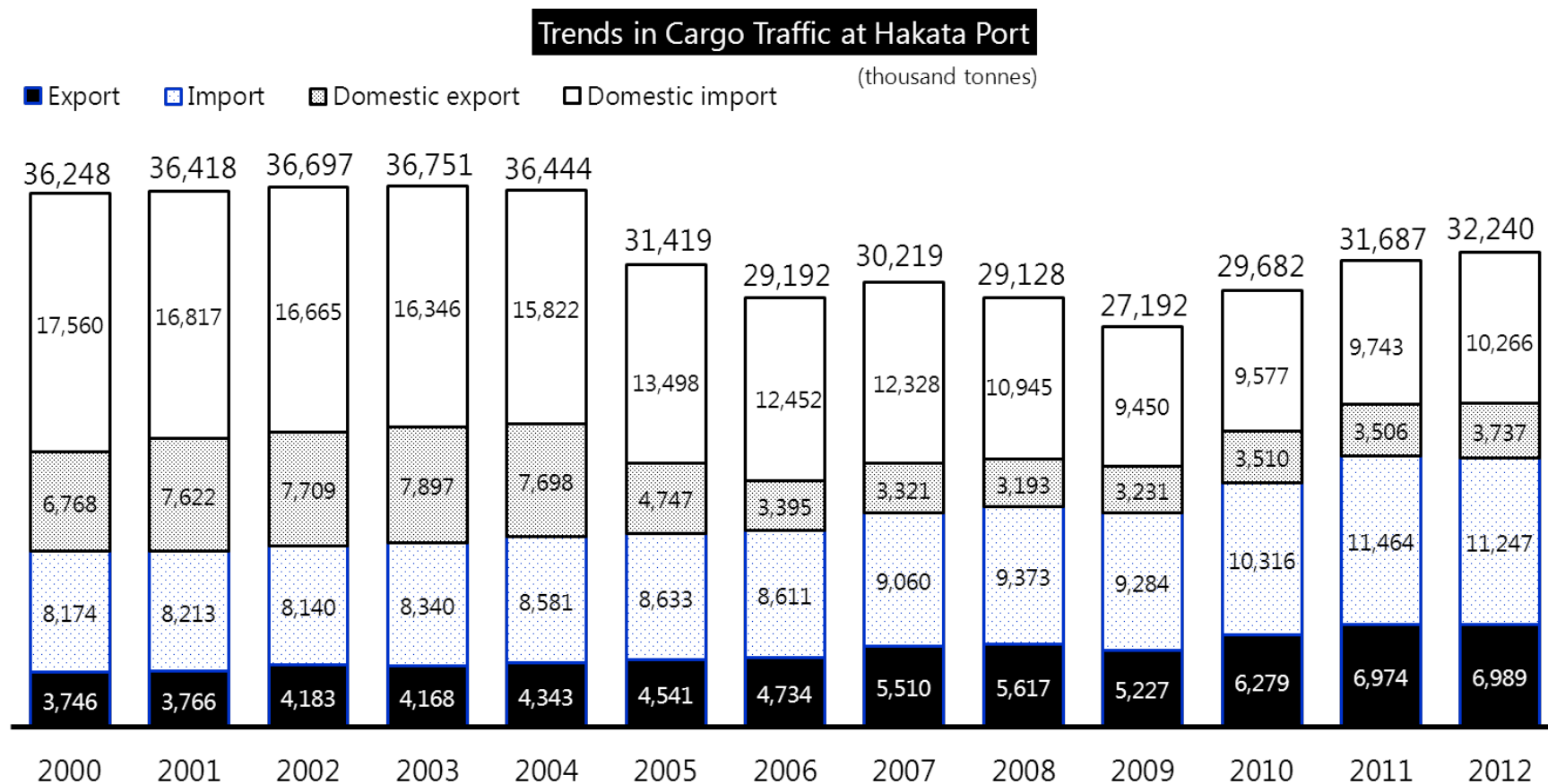
- 1) Speedy network with smooth land and sky transportation following the air freight.
- 2) Large X-ray inspection system enables to shorten the inspection time from 2 hours to 15 minutes.
- 3) The 1st high technology port logistics system in Japan "HiTSver.3" makes the cargo transportation time in container terminal to 5 – 10 minutes.
- 4) 24 hours-open port for calling and loading

Hakata Port has the high speed RO-RO ship as a regular shuttle ship connecting the port to the world largest trading port Shanghai Port within only 28 hours. The transportation time including the land transportation from each cities in Japan has been shorten due to shortening the loading and inspection time, which is almost as fast as the air freight transportation. Transportation cost is cheaper compared to the air freight transportation. In a comprehensive way, RO-RO ship transportation can be better transportation mode not only for Fukuoka City or Kyushu Region but also for Tokyo Capital Region.

RO-RO ship = roll-on/roll-off ship.

Source: Fukuoka City, Port & Harbor Bureau. <http://port-of-hakata.city.fukuoka.lg.jp/english/cargo/pdf/20130801.pdf> (accessed on 27 August 2013).

Increasing international cargo traffic at Hakata Port.



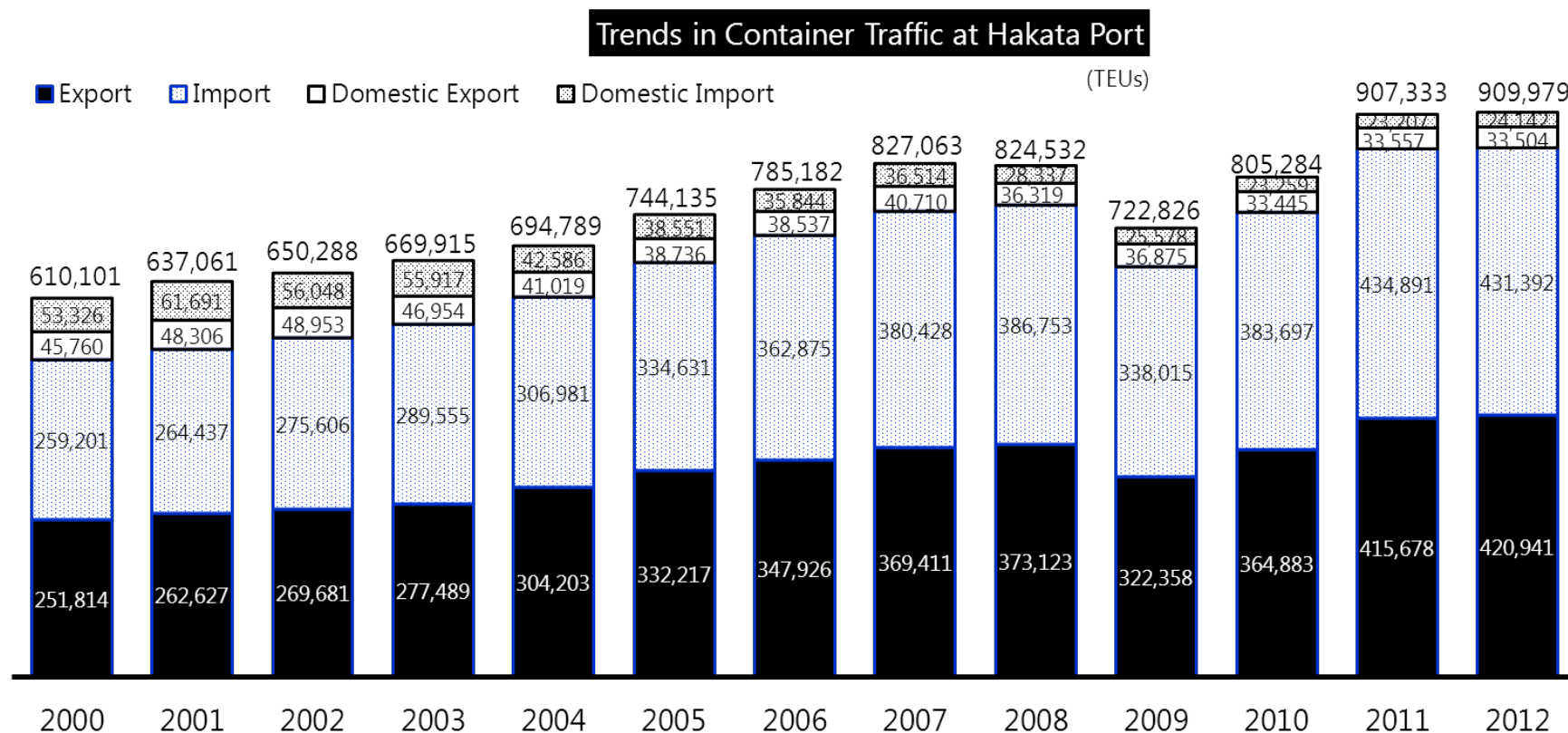
As the amount of logistics in Asian regions increases, trading cargo amount tends to increase at Hakata Port. RO-RO ship will operate as the important sea route connecting Japan and Asian regions, and increases the amount of logistics.

The reason why the trading amount has declined in 2005 is because Toyota Kyushu Factory has opened a new automobile logistics terminal in Moji Port and moved the main loading port from Hakata Port.

Note: Data for 2012 is preliminary result.

Sources: Fukuoka City, Port & Harbor Bureau. Port of Hakata Yearly Statistics; Ministry of Land, Infrastructure, Transport and Tourism - Osaka Regional Civil Aviation Bureau. Airport Management Survey Report.

Container traffic are on the upward trend at Hakata Port.



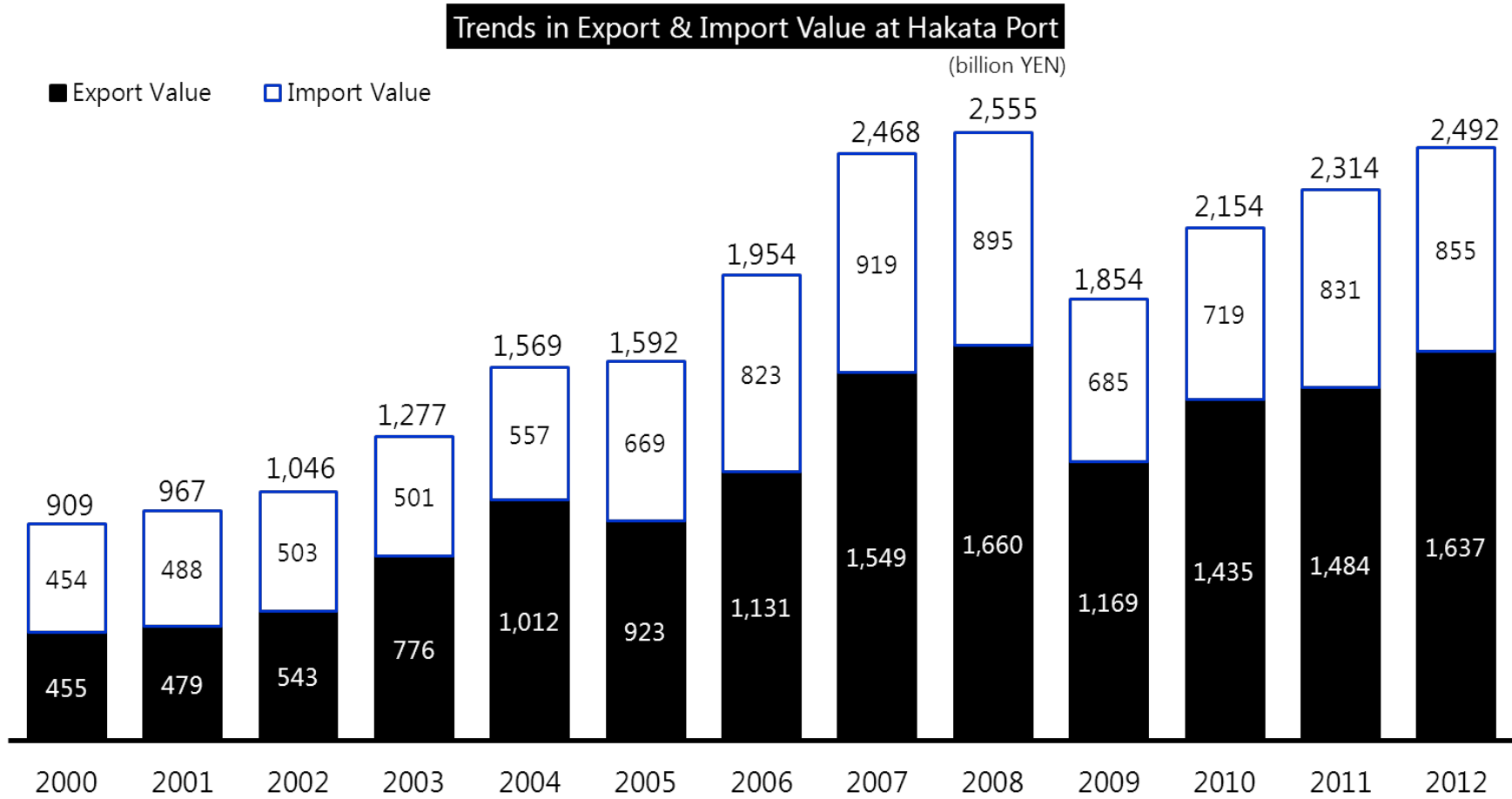
Number of container traffic at Hakata Port has recovered steadily after the worldwide recession. Also it continues its upward trend, and can be expected to reach 1 million TEUs.

TEU = Twenty-foot Equivalent Unit.

Note: Data for 2012 is preliminary result. Data for export & import includes feeder reshipment at other port in Japan.

Source: Fukuoka City, Port & Harbor Bureau. Port of Hakata Yearly Statistics.

Approximately 2.5 trillion YEN of trade value at Hakata Port.



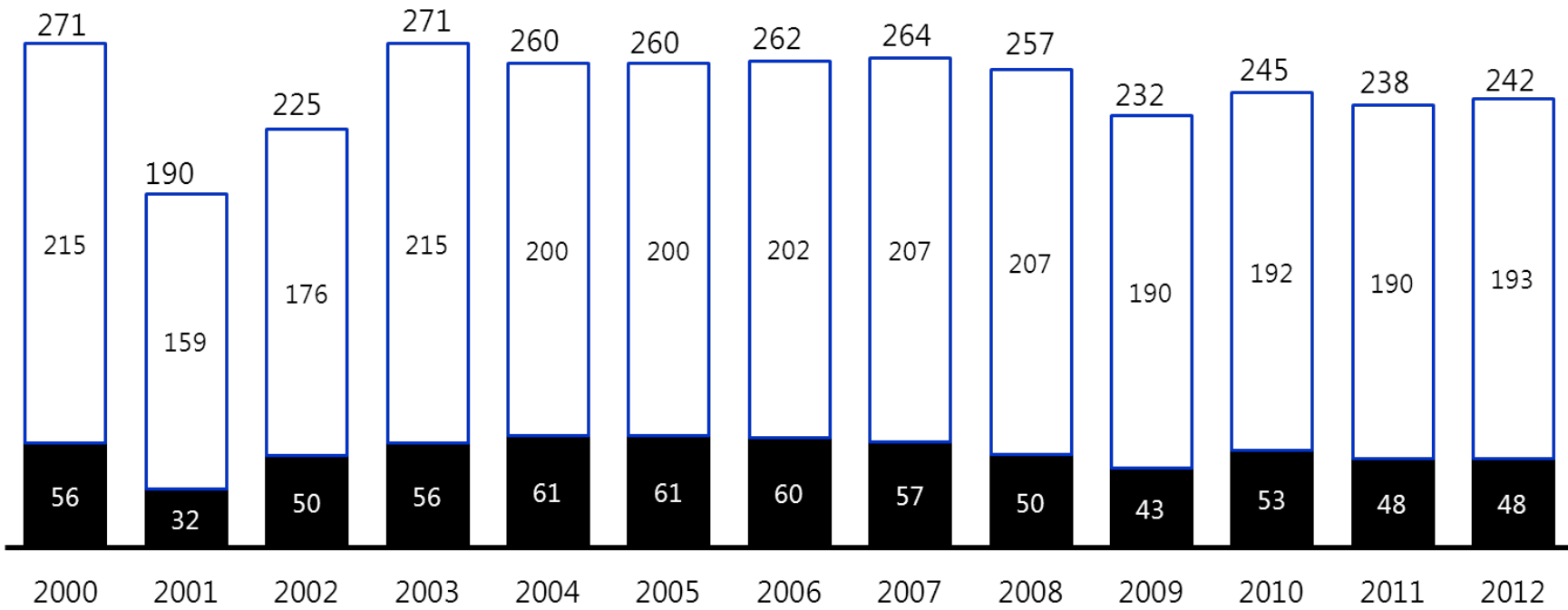
Trade value at Hakata Port is more than 2 trillion YEN, and especially the export value is on its upward trend.

Most air cargo transported domestically at Fukuoka Airport.

Trends in Cargo Traffic at Fukuoka Airport

(thousand tonnes)

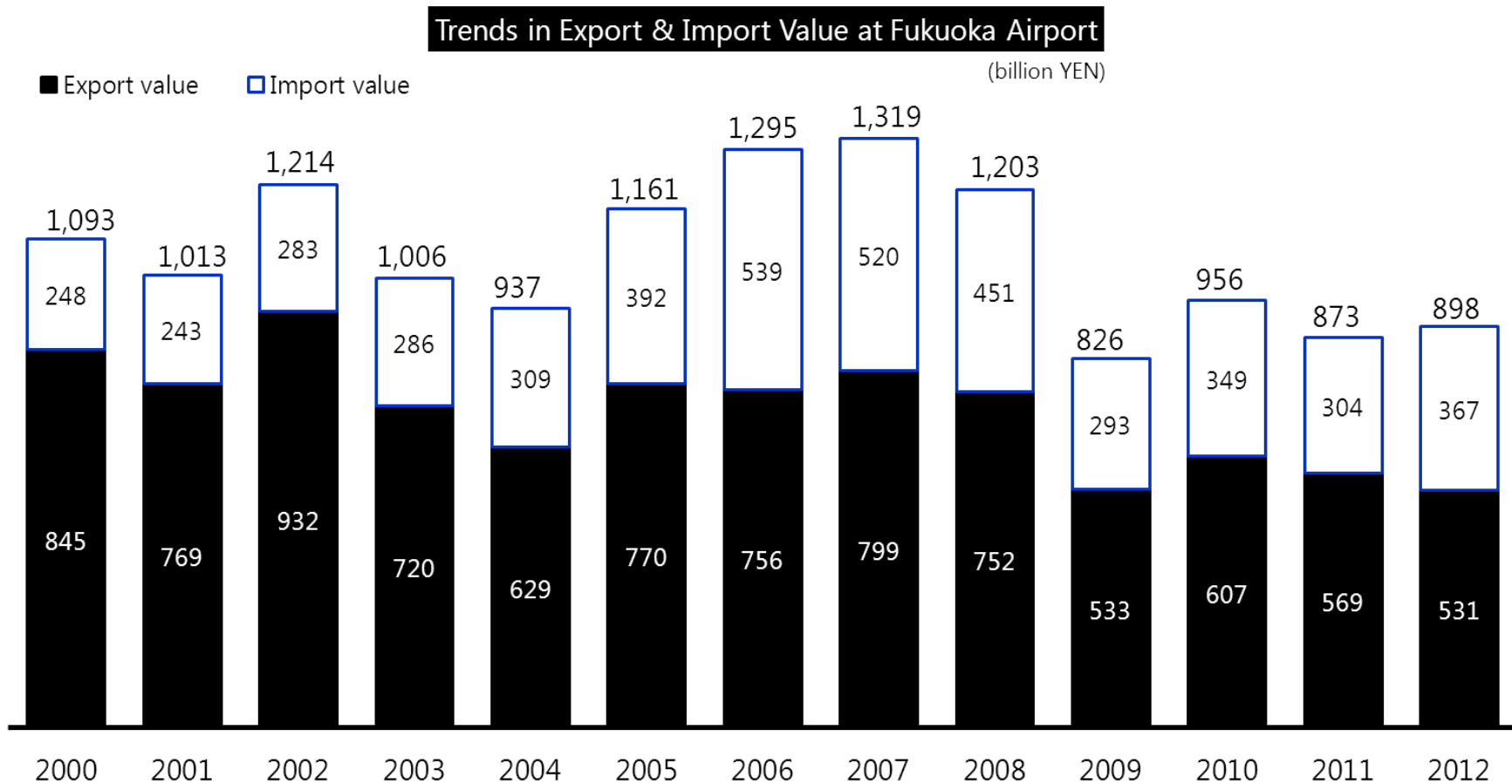
■ International flights □ Domestic flights



Main cargo traffic at Fukuoka Airport is domestic flights cargo.

Note: Data for 2012 is preliminary result.
 Sources: Fukuoka City, Port & Harbor Bureau. Port of Hakata Yearly Statistics; Ministry of Land, Infrastructure, Transport and Tourism - Osaka Regional Civil Aviation Bureau. Airport Management Survey Report.

Approximately 900 billion YEN of trade value at Fukuoka Airport.



Trade value at Fukuoka Airport is almost 1 trillion YEN, and the export value is larger than the import value.