

Research on Enhancing International Passenger Transport of Fukuoka, The Border City of Japan

臨境都市・福岡の国際交通の拡充に関する研究

I. Current Problems

1. Current Transport Condition

Kyushu's First Class Airports

7 (28 in All-Japan)

Airports Gather in Kyushu

Highspeed Railway Network

Convenient

Required Durations for Major Stations from Fukuoka(Hakata)

On Kyushu Shinkansen		On Nippo Main Line	
Shin-tosu	0:13	Oita	2:04
Kurume	0:15		
Kumamoto	0:33		
Kagoshima-Chuo	1:19		
Miyazaki	3:08		
On Nagasaki Main Line		On Tokaido Shinkansen	
Saga	0:38	Kyoto	2:51
Nagasaki	2:01	Nagoya	3:29
Sasebo	1:55	Tokyo	5:13

Kyushu's Int'l Seaports

3

Accessing to Airport & Seaport

Both Near City Centre



2. Problems

Marine Transport

Problems

Highspeed jetfoils **cannot be operated at nighttime**

Aviation

Problems

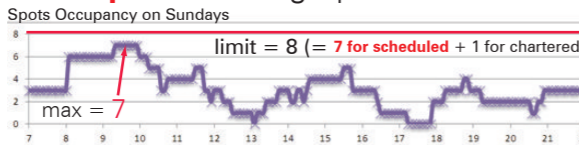
Flights **Only** To Asian Cities



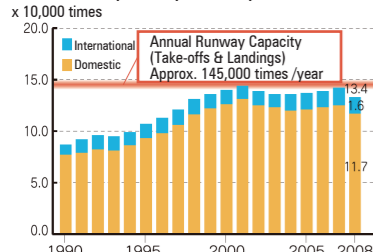
Sparse Flights Frequency Distribution

Departing Tokyo To Seoul	Departing Fukuoka To Seoul
6	10
7	10
8	30
9	15
10	00
11	30
12	05
13	30
14	40
15	20
16	20
17	40
18	20
19	20
20	20
21	20
22	20

Inadequate Loading Spots for Aircrafts



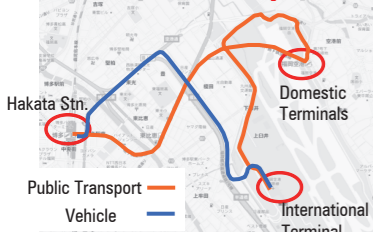
Runway Capacity At Its Limit



Access Transport

Problems

Airport Near, **International Terminal Far Away**



Bus Routes to Hakata Port **Complicated**



II. Enhancing International Transport

3. Hakata Port

Additional Ferries

2 or 3 ferry services daily

Vessel Type	Hakata dp.	Busan Ar.
Jetfoil	6:30	9:25
Jetfoil	7:00	9:55
Ferry	8:00	13:30
Jetfoil	9:00	11:55
Jetfoil	10:00	12:55
Jetfoil	12:00	14:55
Jetfoil	14:00	16:55
Jetfoil	15:00	17:55
Ferry	16:00	21:30
Jetfoil	17:00	19:55
Jetfoil	23:55	5:25+1

Introducing Catamaran Vessels

Operates High-speed At Nighttime

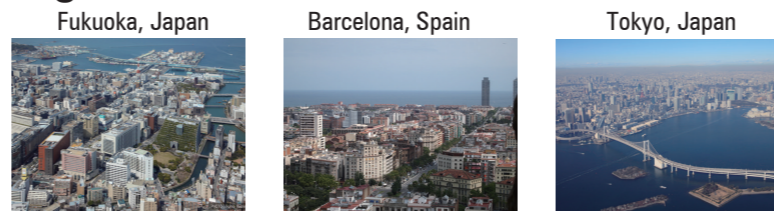


Speed: 70km/h
 Fukuoka-Busan 3:25
 Former Operation in Japan: between Hakodate-Aomori

Vessel Type	Hakata dp.	Busan Ar.
Jetfoil	7:00	9:55
Jetfoil	9:00	11:55
Catamaran	9:30	12:55
Jetfoil	10:00	12:55
Jetfoil	12:00	14:55
Jetfoil	13:30	16:25
Jetfoil	14:30	17:25
Jetfoil	17:00	19:55
Catamaran	17:30	20:55
Catamaran	1:30 +1	4:55 +1

(Summer Schedule Example Introducing Two Catamarans)

4. Enhancing Aviation Network



	Fukuoka, Japan	Barcelona, Spain	Tokyo, Japan
Central City Population	1.48 Million	1.62 Million	13.13 Million
International Routes	19	111	91
International Flights Weekly	206	1716	1838
Longest Distance of International Flight	2803 miles	6914 miles	6978 miles

Remarkable Difference In Spite Of Similar Population

Passengers Disappeared



Without direct flights, Fukuoka & Kyushu passengers are counted as Tokyo Narita or Haneda Airports users.

How to count the correct international trip demand of Fukuoka & Kyushu toward North America or Europe? (invisible demand to enhance Fukuoka's flight network)

Analysis Using Embarkment/Disembarkment Cards

Fukuoka Airport loses 400,000 Kyushu international passengers annually as they use Tokyo, Osaka or Nagoya's international airports!
 (current annual international passengers directly from Fukuoka Airport: 730,000)

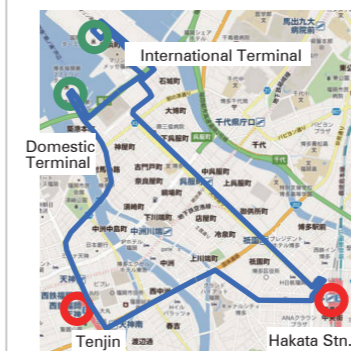
Long-distance Flights Via Fukuoka



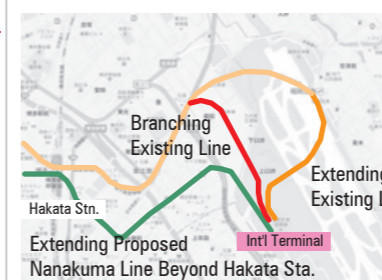
Fukuoka Airport could perform as a fueling airport for long-distance flights passing nearby. (flights between North America - Southeast Asia or Europe - Oceania)

5. Improving Access Transport

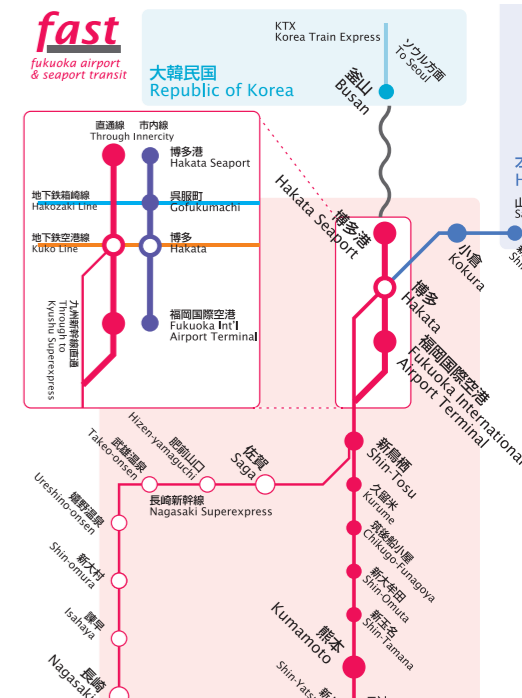
Circular Bus Operation



Extending Metros



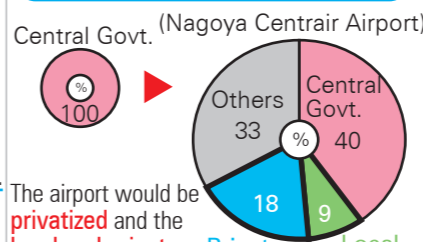
Introducing Shinkansen Highspeed Rail



III. Toward Enhancing International Transport

6. Proposals

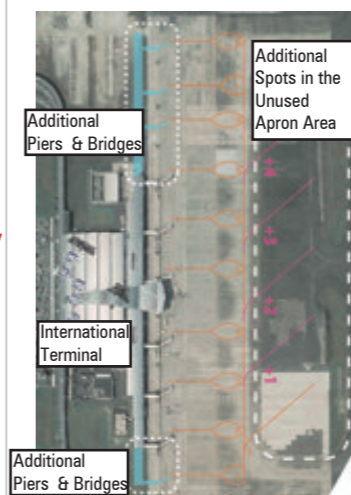
Privatization of Airport



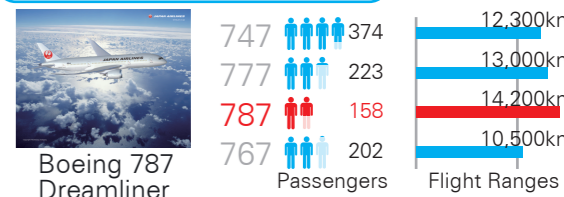
The airport would be privatized and the local and private sectors would take its control through the acquisition of its stocks.

Additional Loading Spots

Additional loading spots would supplement the capacity of the airport.



Long-haul Flights with Small-sized Aircraft



Latent Sightseeing Resources of Fukuoka

Warm Winter, Close to Hot Springs, Delightful Dining. Things we're not usually aware of (or, what we [Fukuoka people] find inconvenient when we are abroad) Fukuoka's Notable Characteristic?

Cooperation with Tokyo

Fukuoka and Tokyo, both of which are "International Strategy Comprehensive Zones" could cooperate with the keyword "Asia."

