

Overview of Nishitetsu Bus







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> Nishi-Nippon Railroad Co.,Ltd. 31st / October / 2013

Profile of Nishitetsu Group





Bus Business



Railways



Real estate for rent



Real estate for sale



Logistics



Leisure Services



Hotel



Distribution sector



Others

Management Index of Nishitetsu Group



Nishi-Nippon Railroad Co.,Ltd

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    Founded December 17.1908
    Incorporated September 22.1942
    Capital (Paid) ¥ 26,157 million (about $ 261.57 million )
    Sales ¥ 135,128 million (about $ 1,351.28 million )
    Ordinary Profit ¥ 11,932 million (about $ 119.32 million )
    [$ 1 ≒ ¥ 100 , (2012.4 ~ 2013.3)]
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Nishitetsu Group

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80 Companies, 1 Incorporated School

    Group Companies

                                             (including Nishi-Nippon Railroad Co.,Ltd)
                           17,497
·Number of Employees
Sales
                                               (about $ 3,383.87 million )
                           ¥ 338.387 million
                           ¥ 16.189 million
                                               (about $ 161.89 million)
Ordinary Profit

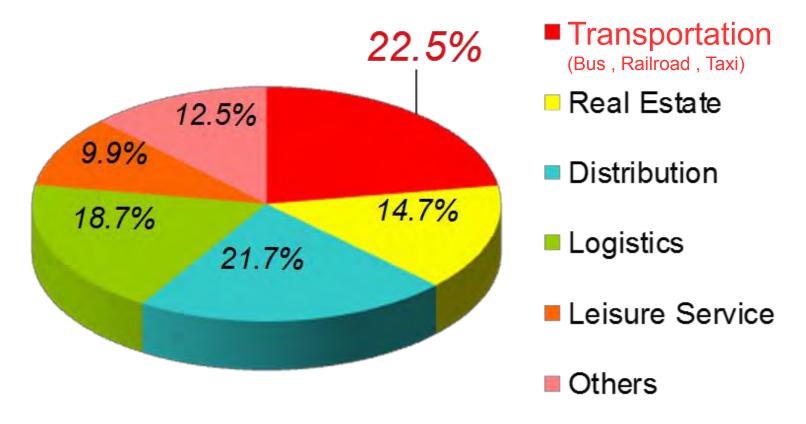
    Business Activities

                           Bus, Railroad, Taxi, Rental Real Estate,
                           Subdivision Real Estate, Distribution, Logistics, Hotel,
                           Travel , Amusement , Restaurant , Advertisement , IC Card ,
                           Vehicle Maintenance, Construction, Metal Recycling
                                                      [$1 \rightleftharpoons Y 100, (2012.4 \sim 2013.3)]
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Operating Revenue of Nishitetsu Group



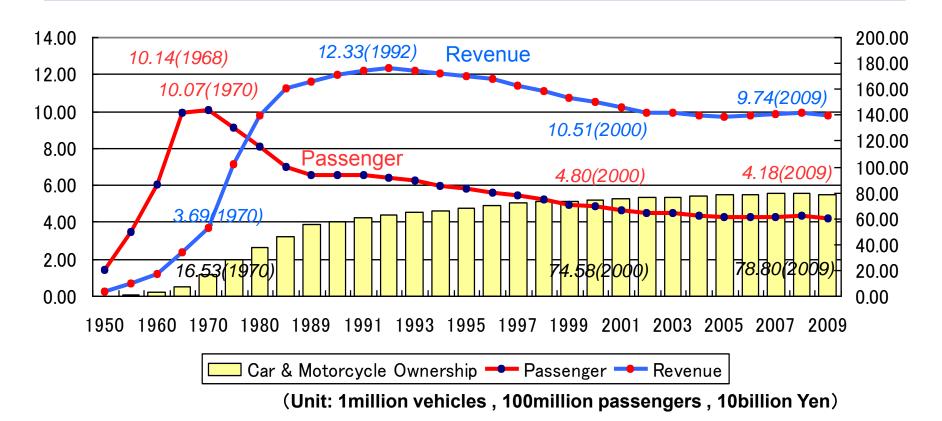
Component ratio of Operating Revenue (2012.4 ~ 2013.3)



Total Revenue ¥ 338,387 million (about \$ 3,383.87 million) (Omnibus & Chartered Bus Business ¥50,580 million [about \$ 505.8 million])

Transition of Number of Passenger, Revenue and Vehicle Ownership in Japan (1950~2009)





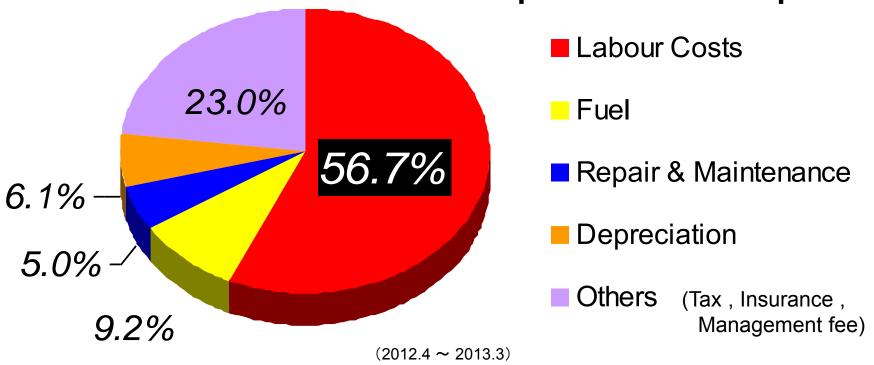
⇒ Passenger had increased until 1968, but after 1969, it has decreased owing to progress of motorization.
But, revenue had increased until 1992 owing to raise in fares.

Nishi-Nippon Railroad Co., Ltd.

Operating Cost of Bus Business



Component ratio of Average Operating Cost of Japanese Bus Companies



Most of City Bus & Highway Bus in Japan are a one-man bus to keep labor costs down.

For keeping labor costs down



The method of operating Bus has became from two-man (driver &conductor) bus to a one-man bus gradually to reduce operating costs.

In the past



Conductor

Conductor sell the ticket inside the most of buses.

Now

Fare box inside the bus



Fare box install beside the exit inside the bus to collect the fare, the driver collect the fare.

Process of start operating new route



Ministry of Transport

(Ministry of Land , Infrastructure , Transport and Tourism)

② application, report
③ authorization,

agreement

- 2 application, report
 - 3 authorization , agreement

- Bus company
- Transportation bureau of government office
 - 1 Planning
 - Operating route
 - Timetable
 - Bus stop location
 - Fare

4 Inform after 3

Government Office for maintaining the road

Police Department

Installing Bus stop



Bus operators can get on and off passengers at only bus stops.

Bus operators are prohibited to get on and off passengers at except for Bus stops.



Bus shelter



Information panel

Most of Bus stops are installed by bus operator. Bus operator have to inform about timetable and operating route for user at each bus stops.



BUS CUT

In most cases, the space for stopping to get on and off passengers (BUS CUT) is setting up by government office.

Overview of Bus Business







Chartered Bus



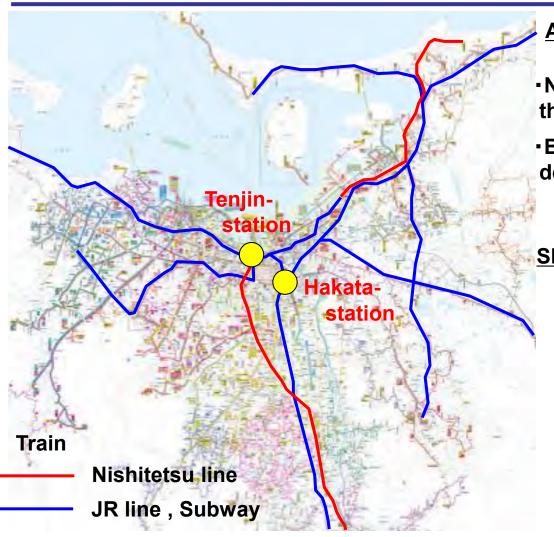
	No. of Vehicles	People Transported (million)	Carrier Revenue (million yen)	Travel Distance (million km)
City Bus & Highway Bus	2,873	266.85	48,530	152.53
Chartered Bus	120	1.51	2,050	5.26
Total	2,993	268.36	50,580	157.79

 $(2012.4 \sim 2013.3)$

Passengers in Fukuoka Area account for 62% of all passengers. (about 165 million people)

Transport Network in Fukuoka Area





About transport network in Fukuoka Area

- Numbers of railway lines are fewer than in Tokyo area or Osaka area.
- Bus network has been well developed in Fukuoka area.

Sharing rate of method of transport in Fukuoka city (2005)

Car	42.2%
Walk	18.6%
Railway	14.1%
Bicycle	12.5%
Bus	8.3%
Motorcycle	3.1%
Taxi	1.1%

Operation via Urban Expressway



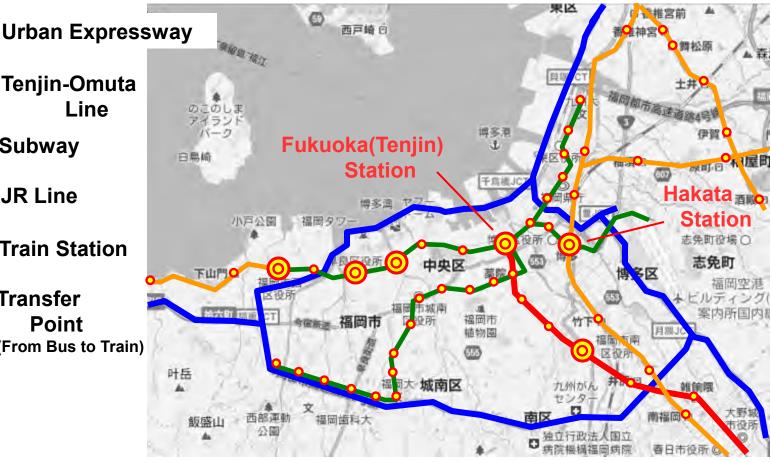
The Urban Expressways are improved in Fukuoka City. Nishitetsu is operating buses via Urban Expressways.

Tenjin-Omuta Line

Subway

JR Line

- **Train Station**
- 0 **Transfer Point** (From Bus to Train)



Operation via Urban Expressway

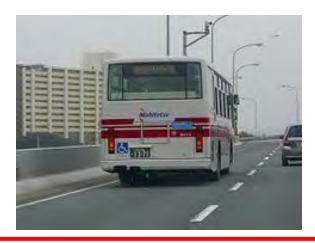


The buses which are operating via Urban Expressway







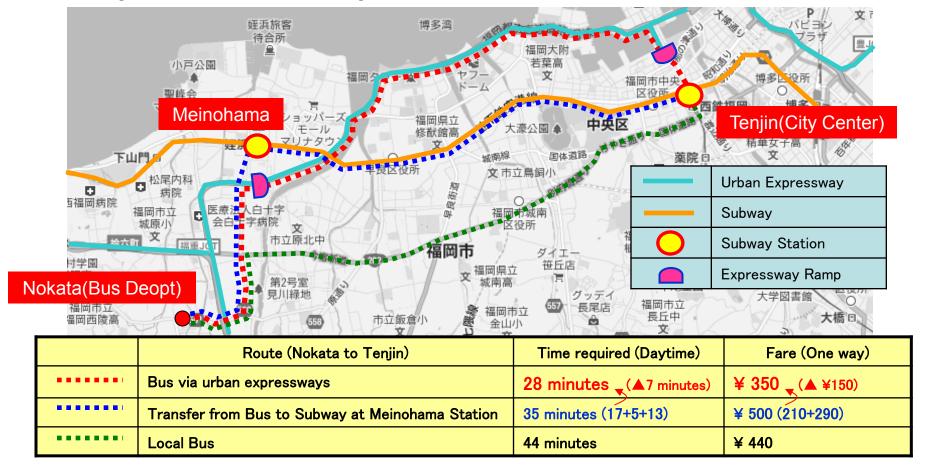








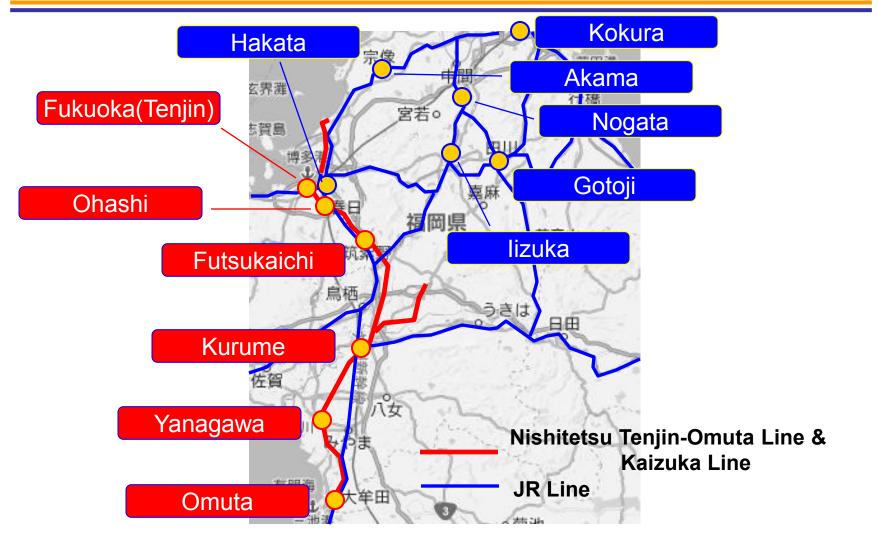
Comparison of Time required and Fare



Using bus via Urban Expressways is faster than transferring from bus to train.

Main Transfer point of Bus to Train





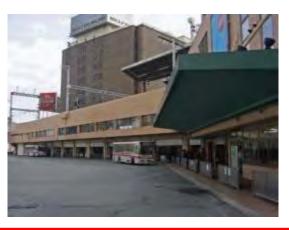
Transfer terminal of Bus & Train



Hakata Bus Terminal



Nishitetsu Kurume Bus Center



Kokura-Station Bus Center



Nogata Bus Center



Policy for Transfer Passengers



Drawing up Bus timetables in consideration of Train timetables

Bus to Train Train to Bus Train Bus Bus Train Arrival **Departure** Arrival **Departure** 17:55 18:00 7:35 18:25 18:30 7:40 7:50 18:55 19:00 7:55 8:05

Nishitetsu Tenjin-Omuta Line

Fukuoka(Tenjin)

Ohashi Kasugabaru

Shimoori Futsukaichi
Asakura Gaido

Ohashi



Bus operating time are adjusted to train operating time to enhance convenience for transfer passengers.

Kurume



Nishitetsu Tenjin-Omuta Line

Operating Distance	95.1km
No.of.Station	62
No.of People Transported	92 million
(Daily Average)	0.25 million
Operating Revenue	20.4 billion

Yanagawa

O Transfer point

Omuta

Kurume





Ticket for Transfer Passengers

Set of discount ticket (Bus & Train)



IC card (available in both Bus and Train)



Provision of Information for Transfer Passengers

Display inside of Bus



Information panel inside of Train
map printed location of bus
stop around station



Unlimited-Ride Ticket & Pass



To enhance the convenience of passengers, we are selling the valuable ticket & pass.

「Downtown Fukuoka One-Day Pass」



Unlimited ride ticket which is available in downtown area

「GRAND PASS 65」

Unlimited ride Pass for people of 65 and above



FECOLE CARD

Unlimited ride Pass for students



FUKUOKA 1DAY PASS



Unlimited ride ticket which is available for Bus and Train

SUNQ PASS

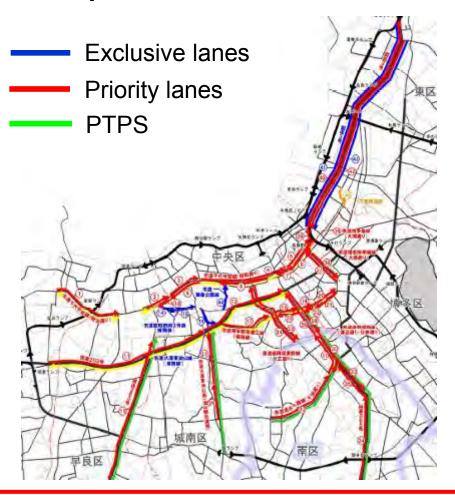
Unlimited ride Pass for highway bus passengers



Activities for Speed up and on-time performance



Development of Exclusive lanes and Priority lanes



by Governmental bodies





Promotion activity to general drivers by Nishitetsu workers

Activities for Speed up and on-time performance



Exclusive lanes and priority lanes





The lane near the sidewalk is exclusive lane during rush hours.

⇒ The Buses can be operated smoothly without being influenced by traffic jam.

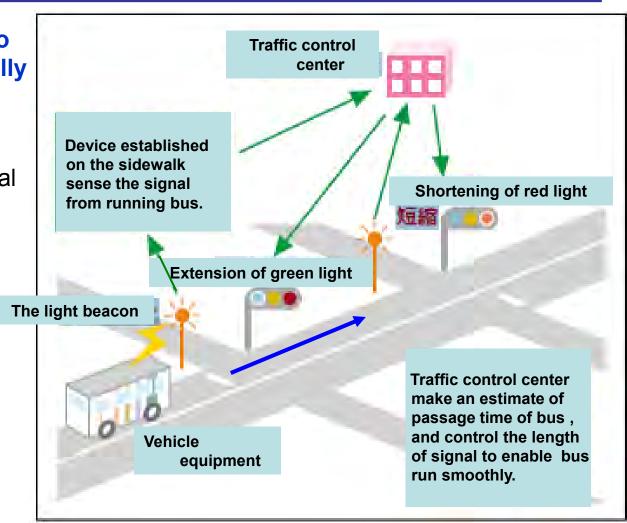
PTPS

(Public Transportation Priority System)



The supporting system to make bus run preferentially

⇒ Traffic control center control the length of signal in accordance with the location of bus.



IT services for customers



Web-site

Provide information of timetable, fare, route, location of bus stop



"BUS NAVI" (Bus location system)
Provide information of present position and
operating situation of buses in real time



Bus shelter



Available with cellular phone



IT services for customers



We have own smart card called "nimoca"

nimoca: Rechargeable Contactless IC card





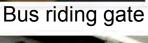




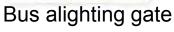








Station ticket gate





Ticket counter

Nicos

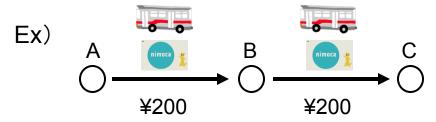
VISA

Service with smart card Utilization of data of smart card



Transit discount service

Fare is discounted due to pay by smart card while transit bus and bus.



$$200 + 200 - 80 = 320$$

In case of paying by smart card when taking from B to C after from A to B, fare from B to C is discounted.

(In this case, discount is 80 yen)

Utilization of data of smart card

Installing smart card system enable to collect the data (number of getting on and off person at each bus stop, or number of passenger each buses). We use the data to examine restructuring of the bus network.

(Ex) Number of getting on and off person at each bus stops

			_		F	total
		_		Е	6	6
			D	3	15	18
		С	5		13	18
	В			21	11	32
Α		8	13		22	43
total		8	18	24	67	117



Utilization of "Drive Recorder"

Drive Recorder: Equipment which records driving situation automatically

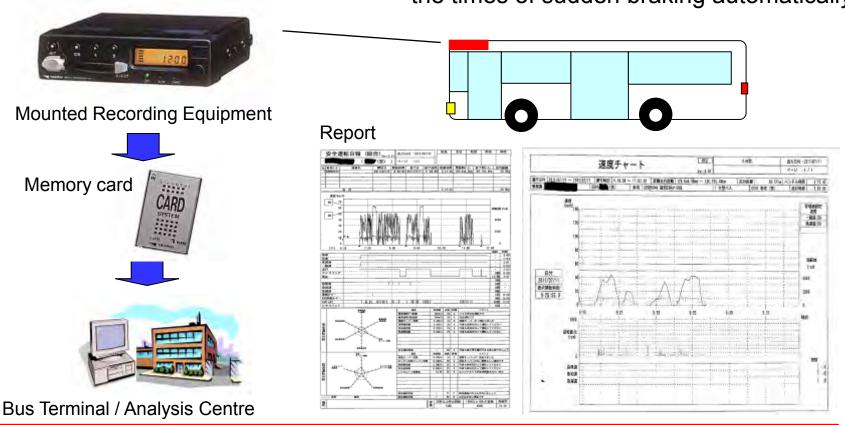
Utilize the recoding date for improving driving behavior and attitude to passengers CCD Camera 1 CCD Camera 2



Utilization of "Digital tachograph System"

Digital tachograph System : Equipment which records driving speed and

the times of sudden braking automatically





Pre crash safe system

If the distance to preceding vehicle is too short, the system alarm the driver with buzzer or vibrator, and brake automatically to avoid crashing.



The laser radar sensor of apparatus monitor the distance to preceding vehicle.

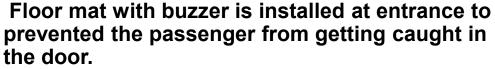


Apparatus for alarming

Conduct activity to passengers to prevent accident

開が開いてから度をお立ち開います。 走行中の席の 移動は危険です。 3.3.2.20700 (3.2.2.20700 (3.2.2.20700 (3.2.2.20700 (3.2.2

Poster for enlightening





Floor mat with buzzer



Establishment of training school

The training school to teach the driver safe driving skill and polite attitude toward passengers is established, the experts teach periodically.

The exterior



Teaching by expert



Training course



Fire drill against engine firing



Vehicle Maintenance



Daily check by a crew before departure





Periodical check by a mechanic (every 45 days)







Policy for Environment



- Encouraging the engine cut → Turn off the engine for fuel savings ("Idling stop") while waiting for traffic lights
- -Utilization of Digital Tachograph System effect 2.93 km/ℓ (2004) ⇒ 3.23 km/ℓ (2012)
 - → Digital Tachograph System evaluate the cutting condition of engine. Administrators instruct drivers using the report to encourage engine cut.
- CNG Bus ...6bus

(Compressed Natural Gas)



Hybrid Bus ...16buses



Policy for Handicapped, Pregnant woman and Elderly





Bus with slope (for wheelchair user)



Seat for a person in a wheelchair (foldable seat)

Priority seat for handicapped, the elderly and Pregnant woman



Bus Terminal



Nishitetsu Tenjin Bus Center







Hakata Bus Terminal











	Nishitetsu Tenjin Bus Center	Hakata Bus Terminal	
Now old days			
Service Started	1961.12	1965.8	
No.of Gate	9	26	
No.of arrival & departure	1800 / day	3500/day	
No.of passengers	20,000/day	60,000 /day	
Investor	Nishitetsu 100%	Nishitetsu 67.95% JR kyushu 21.00% Others 11.05%	





3F Intercity Bus Terminal





2F Railway Station





Department Store



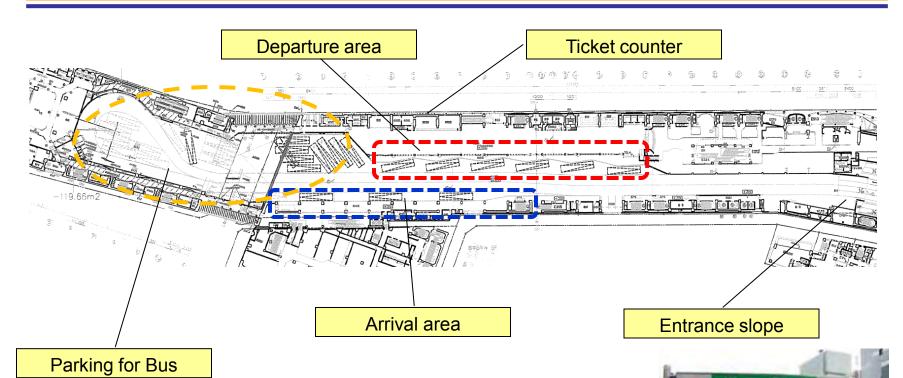
Parking



9F	Dept. Store	Gallery/Hall	
8F	Dept. Store	Parking	
7F	Dept. Store	Parking	
6F	Dept. Store	Parking	
5F	Dept. Store	Parking	
4F	Dept. Store	Taxi Bay / Parking	
3F	Dept. Store	Intercity Bus Terminal	
2F	Railway Station		
M	Railway Station		
1F	Dept. Store	Station Plaza Police Station etc.	
B1	Dept. Store		
B2	Dept. Store		
В3	Bicycle Parking		



Nishitetsu Tenjin Bus Center





Hakata Bus Terminal



Bus Terminal















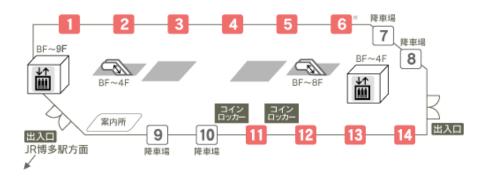


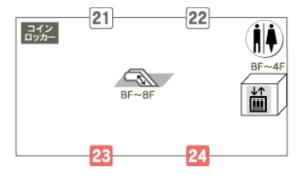
9F	Office		
8F	Shop		
7F	Shop		
6F	Shop		
5F	Shop		
4F	Shop		
3F	Bus Terminal	Shop	
2F	Bus Terminal	Shop	
1F	Bus Terminal	Shop	
B1	Shop		

Hakata Bus Terminal



1F City Bus





2F Intercity Bus & City bus



3F Intercity Bus & City Bus

Nishitetsu Group

Nishitetsu Hakata Bus Operation Office

Hakata Bus Operation Office manages bus operations, drivers, and conditions of vehicles.



Exterior



About Hakata Bus Operation Office

No. of operating routes	15
No. of managers & mechanics	14
No. of drivers	103
No. of vehicles	67
No. of passengers (per day)	17,588
Travel distance (per day) (km)	11,453

(As of June 2013)

The Bus "HAKATA" runs about 1,100km between Fukuoka and Tokyo in about 14 and a half hours.

Contents of Managers' Work



Managing bus operations

- Check whether buses are operating in line with the timetable.
- Giving drivers directions about bus operations.
- Grasp road conditions and traffic situations on the operating routes.

Managing drivers

- Drawing up drivers' work schedules.
- Personal management (assessment of work attitude, taking care of health conditions).
- Instructions and education for driving operations and attitude toward passengers.

Managing vehicles

- Drawing up schedule of buses to be used.
- Check conditions of buses and their maintenance.
- Maintenance inside buses (cleaning, equipments)

Others

- Daily management regarding income from bus operations.
- Handling trouble (traffic accident, etc.)
- Daily management regarding bus stops and service facilities.

Managing Bus Operations





"Staff" describes operating routes and timetables for drivers.

Drivers have to take "Staff" with them and operate the bus in line with "Staff".



Managers check traffic conditions and operating situations by utilizing information on websites.



Sobriety test before driving using a breath analyzer.

A manager has to confirm that drivers are not under the influence of alcohol.



Roll call and instructions to drivers must be conducted by a manager before departure.

Managing Drivers



Table indicating drivers' working time and operating





Digital tachograph

Digital tachograph is installed inside buses and record driving speed and the time of sudden braking automatically.

Managers check the records.

Operating Record



Managers provide drivers with instructions and education to improve their driving operations and attitude toward passengers.





Managers check the record (operating conditions, etc.) filled in by drivers.

Managing Vehicles, and Others



Drivers' inspection before departure



Mechanics' inspection





A garage is equipped on the premises.

Drivers have to report the inspection record to their manager.

Cleaning inside a bus by cleaning staff



Cleaning a bus stop



Counting up the operating income after operations



Nishitetsu Group

Nishitetsu Training School

Nishitetsu owns its training school where expert instructors periodically provide educations and training regarding driving skills and polite attitude toward passengers.

Training Programs

- Training for new employees and new drivers who have just obtained a bus driver's license.
- Training for drivers who caused an accident.
- Training for drivers whose attitude toward passengers seems impolite.
- Driving aptitude diagnosis for all drivers.
- Check for all drivers' fundamental driving skills.

Contents of Training

- Practical skill training and classroom lectures about safe driving.
- Practical skill training and classroom lectures regarding how to treat passengers politely.
- Classroom lectures about traffic regulations.

Nishitetsu Training School



Exterior



Building with accommodations and a dining room.

Training by Expert Instructors



Training for getting used to the size of the bus.

Training Course (S-shape Course)



Training for driving on narrow roads.

Fire Drill against Engine Firing



Training for handling trouble and driving in the abnormal weather.









Thank you for your attention