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JR EAST, a passenger railroad company, is the largest railroad company in JAPAN

Network: 7,512.6 km

No. of Passengers: 17 million /day

No. of Trains: 12,732 /day

Operating Revenue: \$30.5 billion /year

Net Income: \$1 billion /year

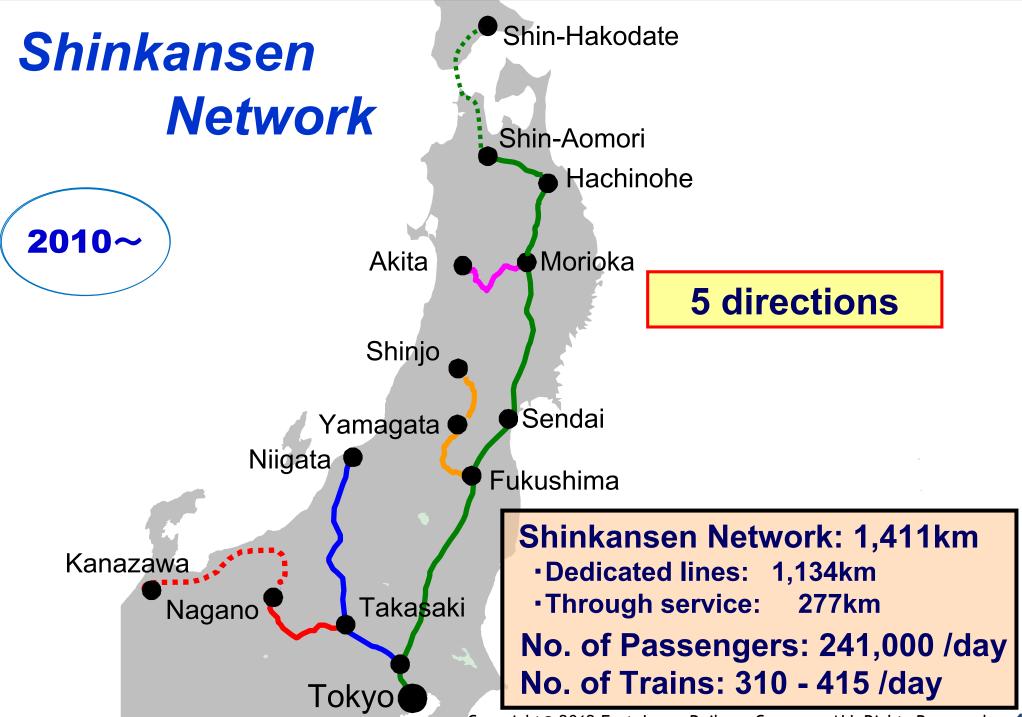
No. of Employees: 71,749

Total Stock Market Value: \$22 billion

- No government subsidies

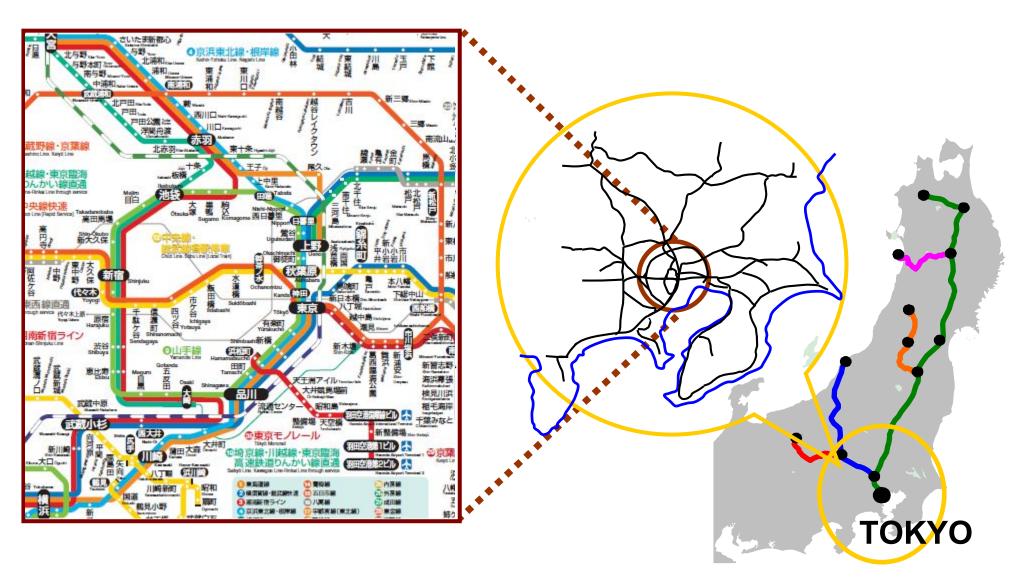


^{*}Numbers are as of FY ended March 31, 2011



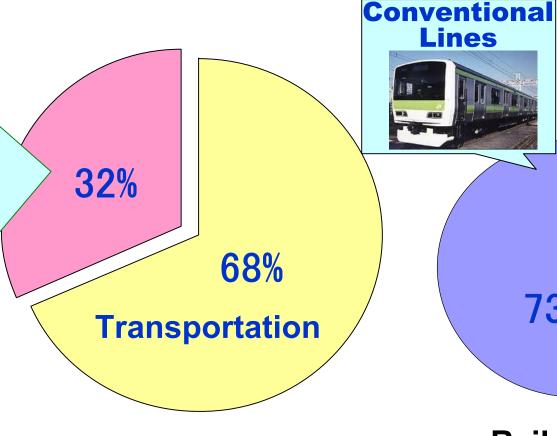
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Conventional lines in greater Tokyo area

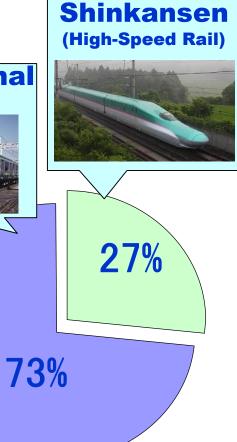


Revenues from Rail and Non-Rail Businesses

Non Rail Businesses Dila Food Terrace







As of Mar.31.2011

Features of Shinkansen

Features of Shinkansen (HSR)

- 1 High Speed Operation
- 2 High Capacity
- 3 Frequent Service
- Through Service
- 5 Comfort
- 6 Environmentally friendly
- 7 Countermeasure against Disasters



1 High Speed Operation

Series E5 "Hayabusa" Operation launched in March 2011

By 2013, maximum commercial speed of 320km/h(200mph) planned







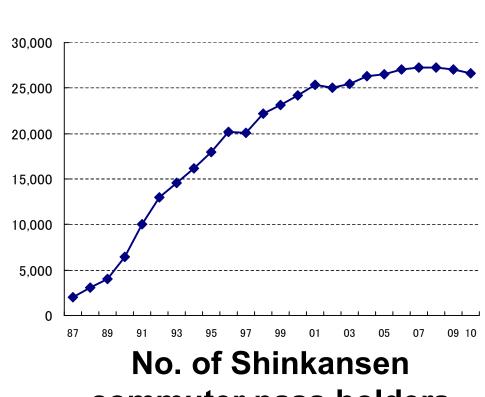


2 High Capacity

Series E4 (Double-decker)

No. of seats: 1,634

(the world's largest high-speed train)



commuter pass holders



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3 Frequent Service

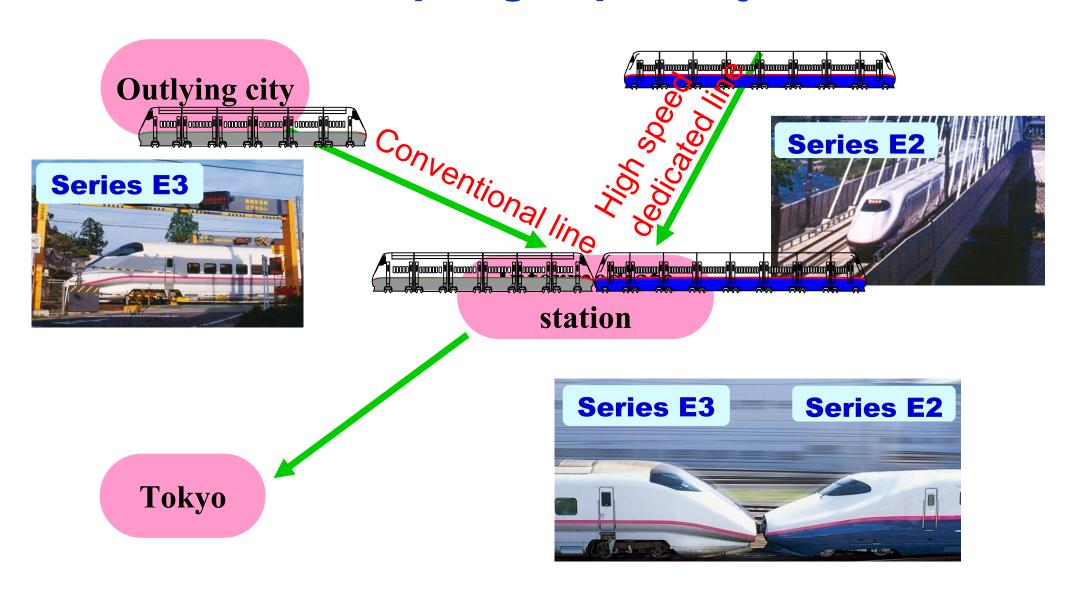




Destinations from Tokyo station 4 min. Minimum train interval 12min. Turn-back time at Tokyo Station 400 Trains per day

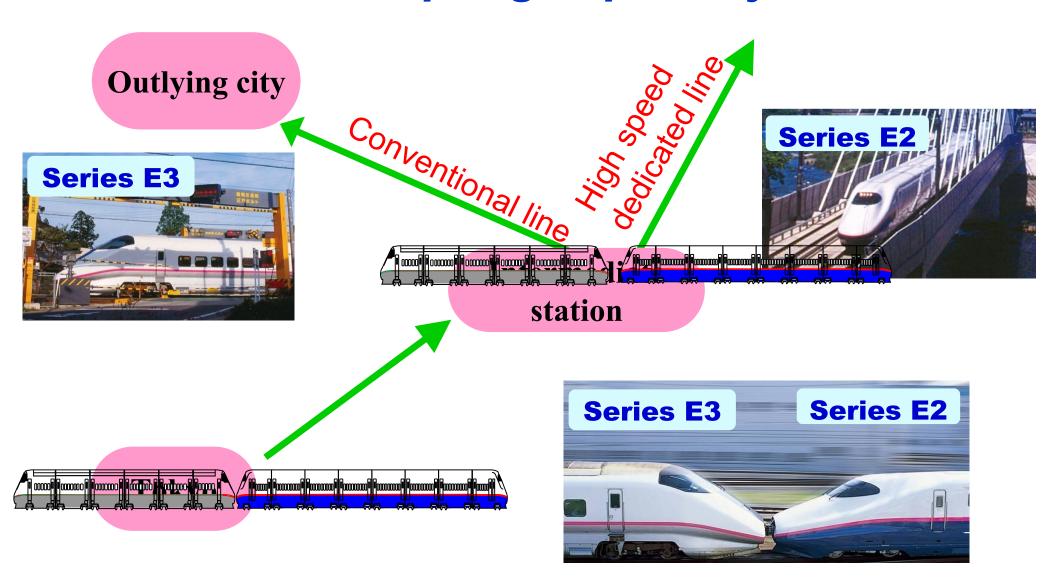
4 Through Service

Coupling capability



4 Through Service

Uncoupling capability



4 Through Service

Series E6 Debut in Spring 2013



Series E5

Series E6

5 Comfort



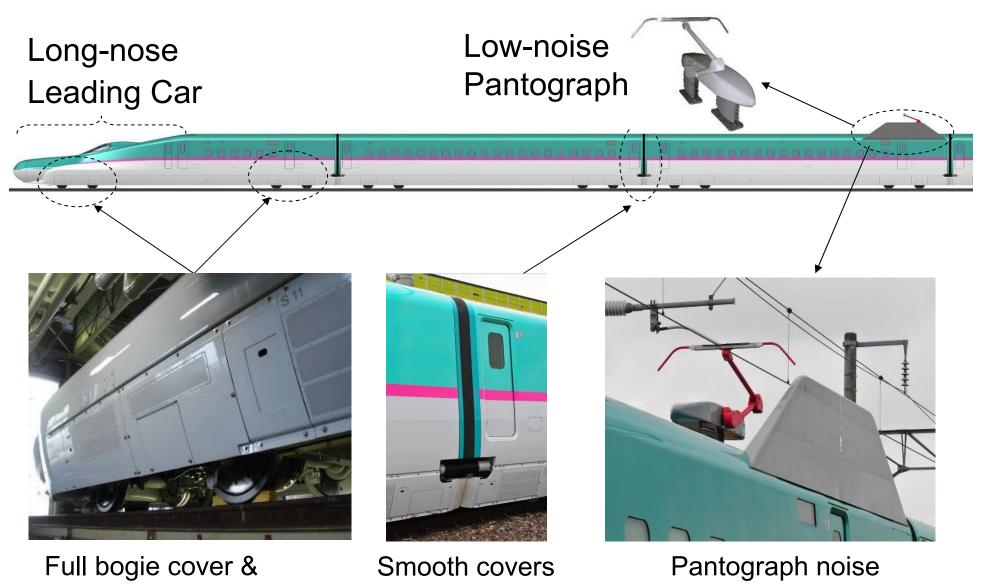


on the Series E5



6 Environmentally Friendly

Controlling Rolling Stock Noise



sound-absorbing panels

between cars

cars insulation panels Copyright© 2012 East Japan Railway Company ALL Rights Reserved. 15

Heavy Rainfall



Slope protection

Falling rocks



Falling-rock protecting work

Strong wind



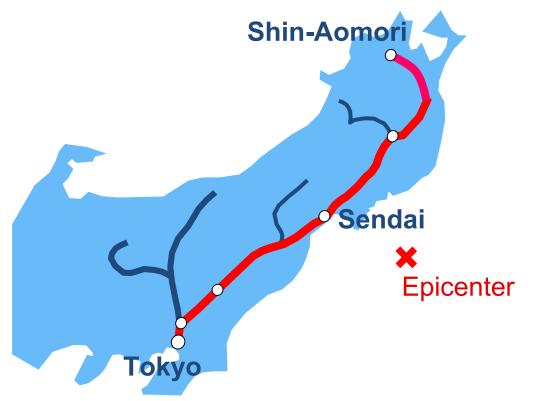
Windbreak wall (Elevated section)

Earthquake



Aseismic reinforce of Viaduct columns

Great East Japan Earthquake



Date and time of occurrence:

Approx. 14:46 March 11, 2011

Strength of earthquake:

Magnitude 9.0 (Largest in the recorded history of Japan)

Number of deaths and missing:

19,451 (As of Nov. 24, 2011)

(Resulting from earthquake, tsunami)



Countermeasures against earthquakes

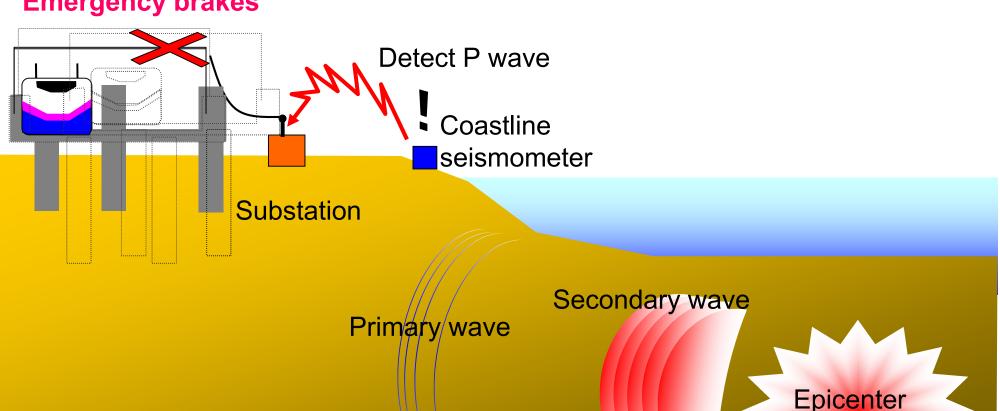
- (1) Detect earthquake and stop trains as quickly as possible
- (2) Prevent collapse of viaducts
- (3) Prevent trains from a large scale deviation in case of a derailment
- (4) Education and training for emergency

"Early Earthquake Detection System"

Whenever coastline seismometer detects Primary wave.

Power shutdown

Emergency brakes



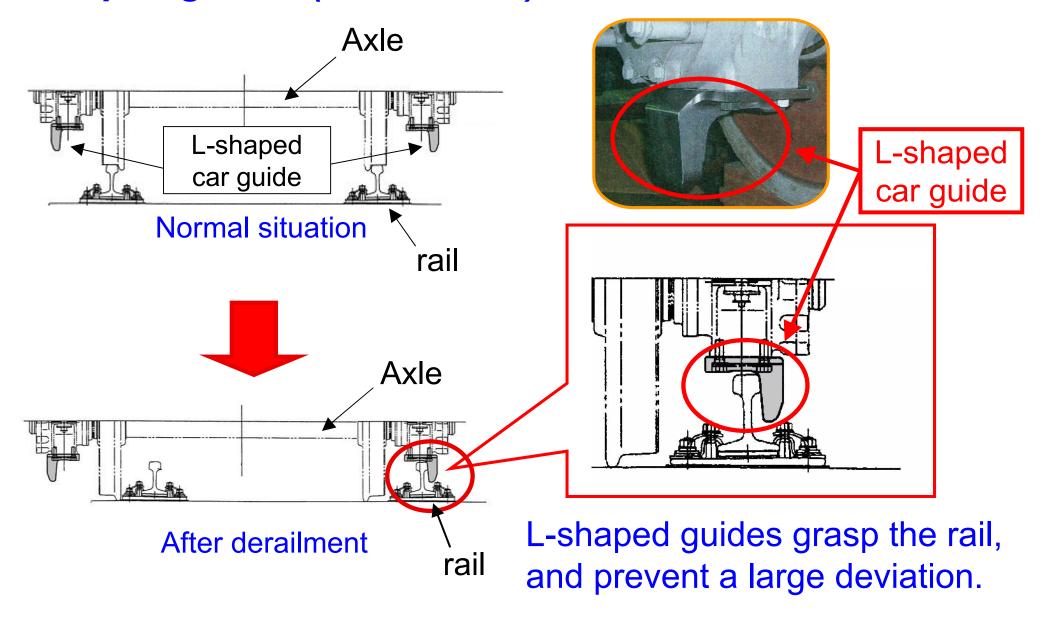
Aseismic reinforcement

Great Hanshin-Awaji Earthquake





L-shaped guides (on vehicles), attached to the axle boxes



- Passenger fatalities: 0

- Passenger injuries: 0

Shinkansen (HSR)

- Aseismic reinforcement
- ⇒No derailment Early earthquake detection system of commercial trains

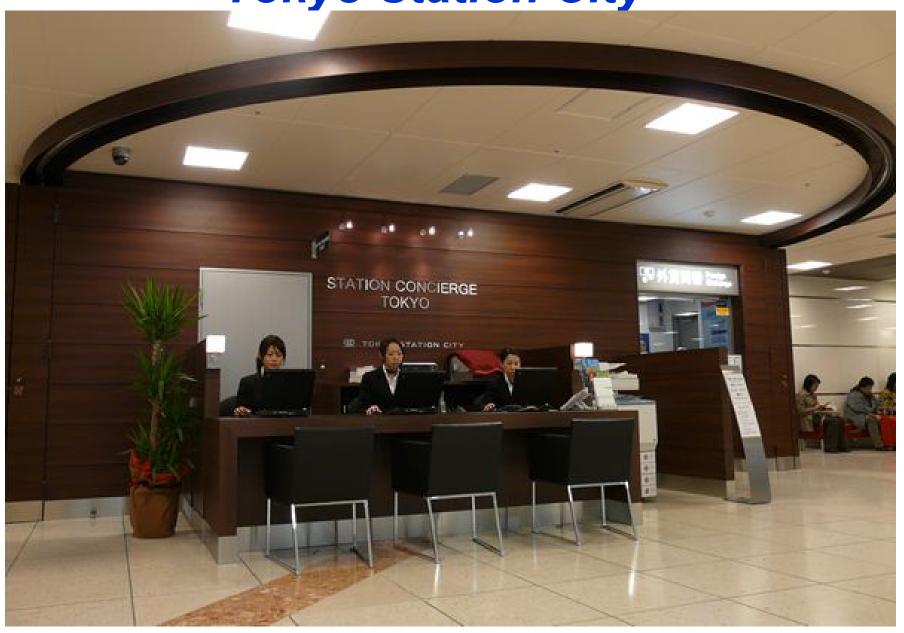
XConventional lines

Station staff and train crews successfully led passengers to emergency evacuation areas before the tsunami hit.









Tokyo Station (Autumn 2012)



THE TOKYO STATION HOTEL (Autumn 2012)









Impact on regional economy

Sakudaira Station (Nagano Shinkansen)

Before Shinkansen



10 years after opening



Impact on regional economy

Area around Sakudaira Station

Before Shinkansen



12 years after opening



Source: Google

Conclusion

The perfect time to realize HSR in India!

- HSR is safe, fast, punctual, highly efficient, environmentally friendly and providing a comfortable ride.
- Moreover, HSR can aid the development of stations and towns.
- We can contribute to HSR in India with our technology and experience of HSR.

[Topics] International Railway Consulting Company

- Company overview
 - Company name: Japan International Consultants for Transportation Co., Ltd. ("JIC")
 - Establishment date: November 1, 2011
 (Preparatory work will continue with full-scale operations expected to begin in spring of 2012.)

Project planning

Feasibility study

Design and tender

Construction supervision

Operation and maintenance

Support every stage of project development

Shareholders

- JR-East
- JR-West
- Tokyo Metro
- •JR-Kyushu
- JR-Freight
- Tokyu Corporation
- Keihan Electric Railway

