

# NEXTSTATION

MARRAKECH 2015

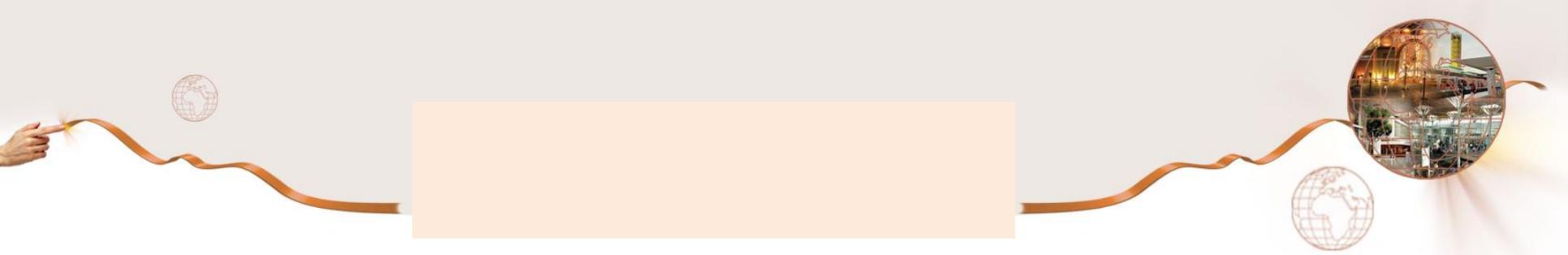


## 5<sup>TH</sup> INTERNATIONAL CONFERENCE ON RAILWAY STATIONS



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# Development & Discussion of Railway Integrated Transport Hub in China

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- +86-022-26176717 Development and management of stations



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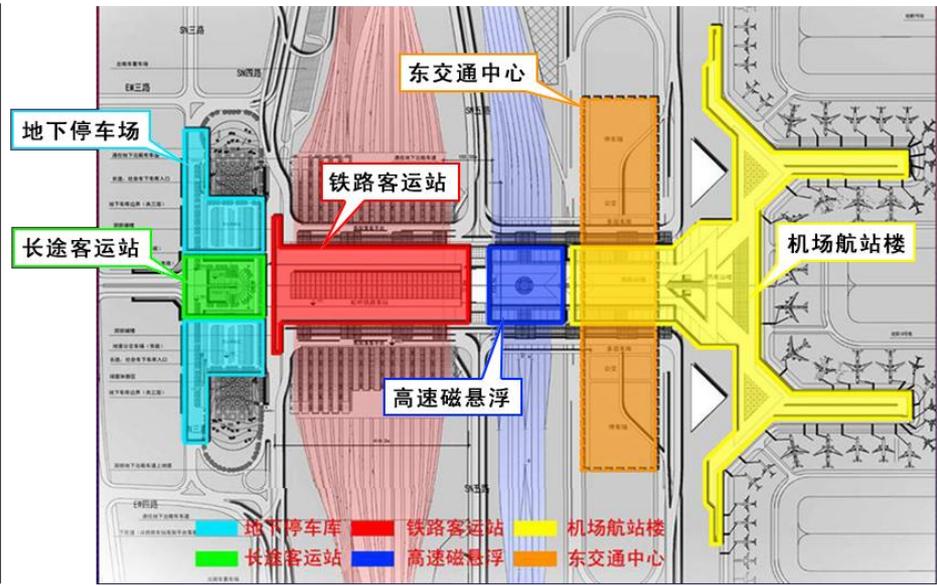


# Part 1-Defination and Features of Integrated Transport Hub

• Definition: Integrated transport hub is an integrated transfer area that mainly targeting external transport yard and station of one or several cities, cooperating with internal transport modes.



虹桥站透视      ShangHai HongQiao Station



上海虹桥枢纽整体规划布局  
General allocation sketch drawings for ShangHai HongQiao Hub



# Part 1-Features of Integrated Passenger Transport Hub

- 1.Integrity: multiple forms;
- 2.Features of cities: a public place that open to the masses;
- 3.Features of intensification and resource-sharing;
- 4.Driving the city's development.



# Part 2 Design Philosophy of Chinese Railway Integrated Transport Hub

1. Meet the general urban planning of the city;
2. Rational construction and utilization in different stages;
3. High efficiency and convenience;
4. Easy to construct and manage;
5. Provides emergency evacuation;
6. Flexible form;
7. Public transport prioritized;
8. Rational utilization of land.

**Beijing South Railway Station-China's First Modern Integrated passenger transport hub**



## Part 2 Status Quo of Chinese Railway Integrated Transport Hub

- Causes: the development of basic transport, the rapid urbanization , the improvement of living standard;
- Has great experience on the choice of location, control of size, the input of multiple transportations and etc.;
- So far, 550 stations have been built in the past 10 years. (Including 36 completed large and medium sized station)



## Part 2 Status Quo of Chinese Railway Integrated Transport Hub

Problems appeared in the operation stage:

- no clear rules on the scale of the hub or control standard;
- Relatively singleton pattern on urban planning;
- Improvement on services and detail design;
- Immature construction management system and operation management mode;
- Less attention on the commercial development of the hub as surrounding area.



# Part 3 leading role of Chinese Railway Integrated Transport Hub to the City

- Remarkable improvement to both the old city area and the new city area ;
- Old city area: Tianjin railway integrated transportation hub;
- New city area: Shanghai Hongqiao integrated transportation hub.



Reform of Tianjin Railway Integrated Transportation Hub



Shanghai Hongqiao District Planning

## Part 4 Development Mode of Chinese Railway Integrated Transport Hub

- In 2013, CHINA RAILWAY had put out the ideas of combining railway network and related business.
- Aim to achieve: the mode of re-feeding daily operation cost mode with earnings of station area businesses



# Part 4 Development Mode of Chinese Railway Integrated Transport Hub

- More market oriented measure:
  - 1. government's guidance and self-development;
  - 2. provide policies which support the comprehensive development
  - 3. comprehensive land development of built railway station and yard;
  - 4. Perfect auxiliary policy;
  - 5. Enhance management and coordination.



# Part 5 Future of Integrated Transport Hub in China

- HSR integrated transport hub and intercity rail station stop.  
Example: HSR Beijing Fengtai Integrated Transport Hub:
- green belts at station and yard
- Flexible plan layout, multiple functions;
- More relatable design.



Greening at station and yard



Flexible Layout



# Part 5 Future of integrated transport hub in China

Example: Intercity Rail Transit of Pearl River Delta

- By adopting TOD mode;
- Mutual development of railway related companies and social capital;
- Seek for more market oriented operation mode.



Station Building and Surrounding Planning of Intercity Rail Transit of Pearl River Delta



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