



Construction and Financing of HSR Stations

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17-18 October 2013

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Development of Chinese HSRs

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by the end of 2012, operational length of Chinese Railway reached 98000km, including 9300km of HSR lines, with 1.89b passengers delivered, 30% of which by HSR lines.



Planning of HSRs

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2015年

Express railway network basically in place, with four north-south and four east- west HSR lines as its backbone

Operational length
over 120000km

Double line 50%
electrified 60%

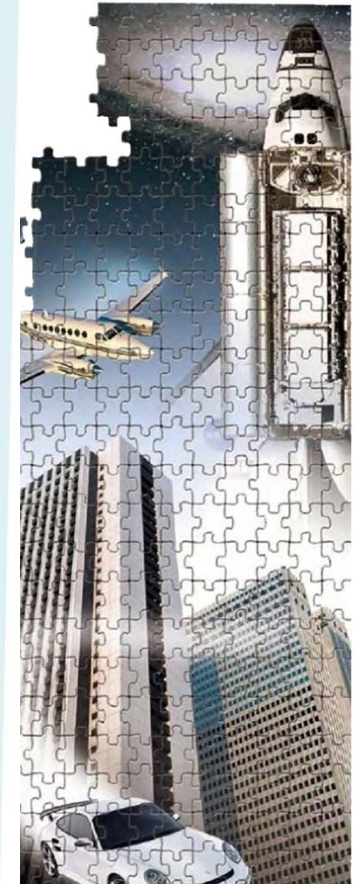
Express railway lines
over 40000km

HSR lines
18000km

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Planning of HSRs

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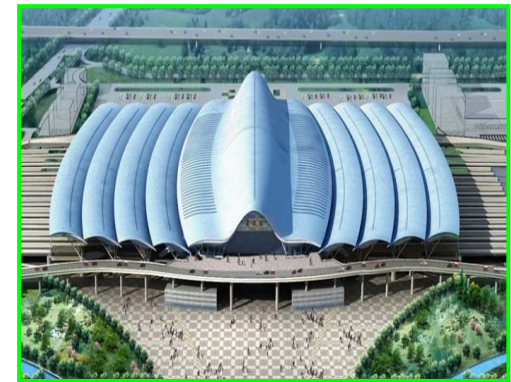
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Construction concepts of HSR stations

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Construction concepts : to make railway station the comprehensive traffic hub of the city, harmonious with the development and local cultural of the city.

Construction principles : safe and comfortable, function-based, diversified operation, passenger service, cost effectiveness



Construction concepts of HSR stations

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Sitting: overall planning of the city, near the traffic center

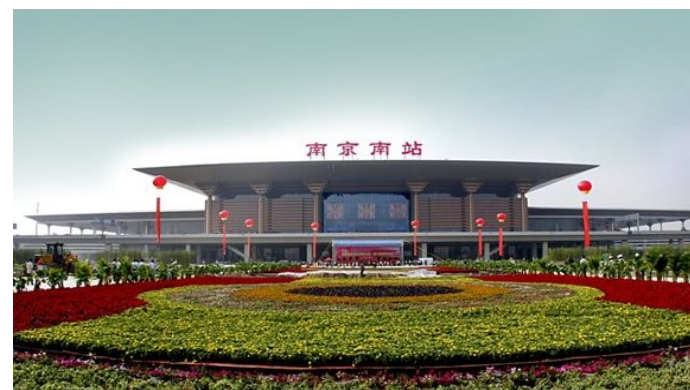
Scale: passenger traffic, commercial services

Function: comprehensive traffic hub, seamless connection to all traffic modes

layout: passing ability, guiding signs

Architecture: harmonious with surroundings and reflecting local culture

Economic efficiency: concise, practical, environmental protecting and energy saving

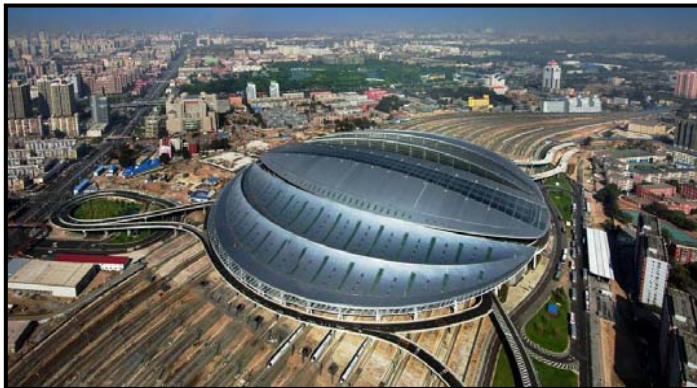


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Construction achievements of HSR stations

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By the end of 2012, 114 HSR stations completed and put into operation, 40 more HSR stations are under construction.

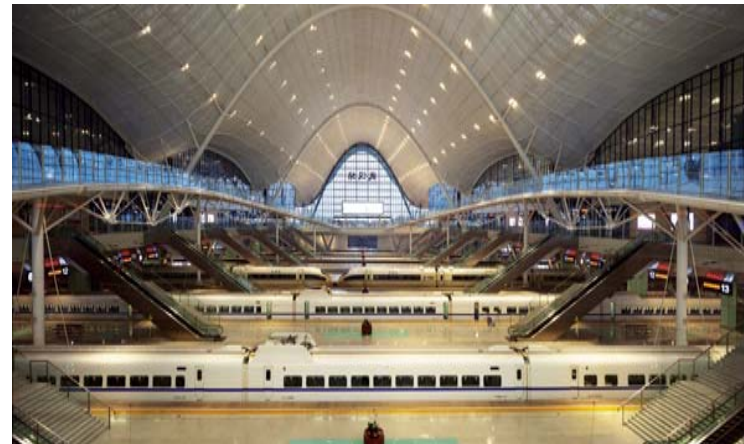


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Construction achievements of HSR stations

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- Design and construction techniques using “**integrated building-bridge structure**”
- Design and construction techniques for **comprehensive traffic hubs that integrate multiple traffic modes**
- **PV power system, GSHP technologies, etc.**
- Architectures reflecting local culture, HSR Logos, colors and guiding signs.



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Financing of HSR stations

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Financed independently: large stations, like Beijing South Railway Station, Shanghai Hongqiao Station, Wuhan Station

Financed as part of HSR projects: middle or small sized stations



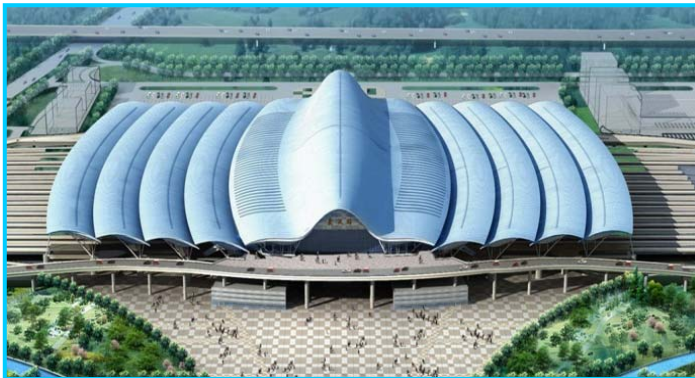
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Financing of HSR stations

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Central government budget
national bonds
Railway construction fund
Self-financing by railway companies

Investments by local government and companies
Railway bonds
Foreign loans
Domestic bank loans



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...Thank you

for your kind attention

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