

Nextstation 2015 Conference
Marrakech – Morocco
21 – 22 October 2015

Short summary

Title of the lecture: **Development & Discussion of Integrated Transport Hub with the Center of Railway Station in China**

Theme : Territories (urban-local integration, urban impact, socio-economic impact, infrastructure financing, multiple actors, intermobility, infrastructure,)

With continuous economic development of China, the travel demand is increasing. The development of China's transportation has witnessed a key period of establishing comprehensive transport system. Especially with rapid development of passenger dedicated line such as high-speed railway and intercity railway, it has changed traditional time and space boundaries and greatly shortened the distance between cities. Public transit operation services of the regional traveling mode have deep influence on the industrial services between cities and urban socioeconomic development mode.

As an important node in railway network, transport hub with the center of railway station is an important part of comprehensive transportation system, and plays a vital role in enhancing the overall efficiency of transportation system, promoting effective link inside and outside urban areas, facilitating land development. China is a populous country with enormous passenger traffic volume and has built lots of transport hubs with mega-large station buildings in recent decade. For the Chinese railway designers, it's an urgent problem to make full use of the traffic hub, set up a good environment of traffic convergence and channeling, and create an engine for regional economic growth. The construction and development of transport hubs meets not only the need of healthy and orderly expansion of integrated transit system, but also the objective requirement of urban sustainable development.

Furthermore, China Railway is developing a new vision in which the comprehensive development of railways and stations will be incorporated into the development oriented by the railway construction. Going forward, the created passenger flow will create benefits of commercial development, which in return can subsidize the railway

construction and daily operation. This vision will become a new mode of railway development in China.

This speech in combination of the development of integrated passenger transport hubs of China will introduce and discuss the philosophy of design, architectural features, mode of operation, and development trend of the transport hubs in China.

Outline :

The lecture will deeply elaborate and discuss the following topics from the point of Chinese railway station design:

1. Definition and features of Integrated Transport Hub with the center of railway station;
2. Design philosophy and current status of station building of Chinese railway integrated transport hub;
3. The driving force of the Chinese railway integrated transport hub to the city and economy;
4. Development mode of station building of transport hub --- discussion of introducing comprehensive commercial development;
5. Future of the integrated transport hub in China --- Development mode based on commercial development

Introduce to the participants some new ideas and concepts of the Chinese railway station building design through the above topics.