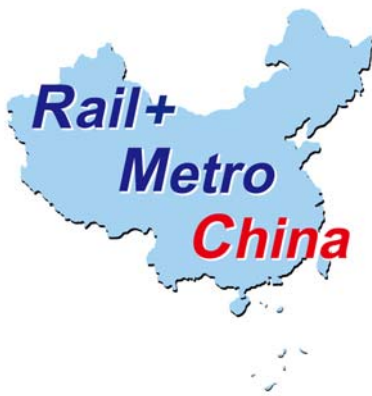


Rail+Metro China 2015

Tunnel China 2015



Show Report

Intex Shanghai Co Ltd

April 2015

www.metro-china.org

www.tunnel-china.org

Brief Review of Rail+Metro China 2015/Tunnel China 2015

Under the great support of Department of Basic Industries and Department of Industries Coordination, National Development and Reform Commission (NDRC), Shanghai Municipal Transportation Commission, ***Rail+Metro China 2015*** has been launched successfully at Shanghai New International Expo Center (SNIEC) Hall N1 and Hall N2 from April 8 to 10, 2015.

Rail+Metro China 2015/Tunnel China 2015 and its fringe programs are also under great support of numerous related government departments, industrial associations as well as academic institutions including Shanghai Municipal Commission of Commerce, Shanghai Municipal Commission of Economy and Informatization, Council for the Promotion of International Trade Shanghai, Chamber of International Commerce Shanghai, China Academy of Transportation Sciences, Tunnel and Underground Works Branch of China Civil Engineering Society, Rail Transit Committee of Shanghai Transportation Trade Association, Shanghai Society of Civil Engineering, Shanghai Railway Institute, Shanghai Shentong Metro Group Co., Ltd., Southwest Jiaotong University, Beijing Jiaotong University and Tongji University Institute of Rail Transit etc.

Rail+Metro China 2015/Tunnel China 2015 has attracted more than 200 renowned companies from 15 countries spanned 20,000 square meters, including Alstom, CSR, CNR, Air Train International Shanghai, Thales Saic, Potevio, Witen Technologies, ContiTech, Schunk, Rittal, Railteco, Suzhou Huaqi and Easyway etc. Exhibitors are from China mainland, France, Germany, Switzerland, Sweden, Belgium, the United Kingdom, Liechtenstein, Italy, the United States, Japan, Korea, Singapore, Taiwan Province and HKSAR etc. The number of exhibitors is 12% growth from last year. Rail Transit Vehicles, Ancillary and Components, Signal Systems and Equipment, Electrical Devices, Vibration Control Material, Planning, Design and Consultancy Institutes and Operation Devices and Equipment are mainly exhibited during the exhibition.

Honorable guests presented at the conferences and visited the exhibition booths are (names are arranged in random order):

- ✧ Mr. Li Guoyong, Counsel (DG-level), Department of Basic Industries (NDRC)
- ✧ Mr. Zhou Taitong, Vice Chairman, Shanghai People's Political Consultative Committee
- ✧ Mr. Wu Lei, Vice Director, Shanghai Municipal Commission of Economy and

Informatization

- ◇ Mr. Zhou Huai, Counsel, Shanghai Municipal Transportation Commission
- ◇ Mr. Zhang Tianpei, Director, Anhui Province DRC
- ◇ Mr. Wang Zhan, President, Shanghai Academy of Social Sciences
- ◇ Mr. Fang Shizhong, Governor, Shanghai Baoshan People's Government
- ◇ Mr. Sun Chujun, Director, Transportation and Shipment Management Bureau of Songjiang Division
- ◇ Mr. Yu Guangyao, Chairman, Shanghai Shentong Metro Group Co., Ltd.
- ◇ Mr. Gu Weihua, President, Shanghai Shentong Metro Group Co., Ltd.
- ◇ Mr. Shao Weizhong, Vice-President, Shanghai Shentong Metro Group Co., Ltd.
- ◇ Mr. Bi Xiangli, Chief Engineer, Shanghai Shentong Metro Group Co., Ltd.
- ◇ Mr. Cui Xuezhong, Vice President, China Academy of Transportation Sciences
- ◇ Mr. Qin Guodong, Vice Director, Ministry of Construction of Metro and Light Rail Research Center/Vice Dean, Urban Rail Transit Research Institute Of China Academy of Urban Planning & Design
- ◇ Ms. Tang Jian, Director, National Center for Research on Earthquake Engineering, China Land Surveying and Planning, Ministry of Land and Resources
- ◇ Mr. Jian Lian, Vice General Manager, Shenzhen Metro Group
- ◇ Mr. Liu Kading, Chief Planner, Shenzhen Metro Group
- ◇ Mr. Wu Wenhui, Vice General Manager, Hangzhou Metro Group Co., Ltd.
- ◇ Mr. Ren Yuhang, General Manager, Department of Financing Program, Beijing Infrastructure Investment Co., Ltd.
- ◇ Mr. Frank C F Yuen, Chief Project Manager, Shenzhen Hongkong MTR Corporation
- ◇ Mr. Leung Pingkin, General Manager, Real Estate of the Pearl River Delta of MTR Corporation
- ◇ Mr. Ma Ziyang, Vice General Manager, Zhengzhou Metro Group Co., Ltd.
- ◇ Mr. Guo Shanyun, Chairman of Tunnel & Underground Works Branch of China Civil Engineering Society
- ◇ Mr. Liu Weijie, President, Shanghai Urban Construction Design & Research Institute
- ◇ Mr. Xu Zhengliang, Chief Engineer of Shanghai Urban Construction Design &

Research Institute/Director, Euro-Sino Tram Innovation Center

- ◇ Mr. Jia Lianhui, Dean/Chief Engineer of Design Institute of China Railway Engineering Equipment
- ◇ Mr. Xi Yongji, General Manager, Shanghai Rail Traffic Equipment Development Co. Ltd.
- ◇ Mr. Zhou Xiaoqin, Director, Transportation Department, China International Engineering Consulting Corporation
- ◇ Mr. Xu Fei, President, Southwest Jiaotong University (SWJTU)
- ◇ Mr. Wang Yanping, President Assistant, CNR Corp., Ltd.
- ◇ Mr. Yu Lijun, Vice Chief Engineer, CNR Changchun Railway Vehicles Co., Ltd.
- ◇ Mr. Cao Gangcai, Vice-Chief Economist, CSR Corp., Ltd.
- ◇ Mr. Shen Jiajun, Vice-Chief Economist, CSR Corp., Ltd.
- ◇ Mr. Yang Ying, Vice Chief Engineer/Chief Expert, CSR Zhuzhou Electric Locomotive Ltd.
- ◇ Mr. Dong Yan, Vice Director, Management Center of Shenyang Hunnan Modern Trams

Honorable guests are major from governments, subway proprietors and operators, designing institutes, construction units and financial investment institutions. Guests from Development and Reform Commission are from Anhui, Guangzhou, Guiyang, Baotou, Hangzhou, Taizhou etc., as well as guests from Shandong Department of Transportation, Rail Transit Office of Xiamen, Taiyuan, Hohhot and Jinan etc., Qingdao Road Transportation Administration, Zhuhai Department of Transportation, Huzhou Planning Bureau, Kushan Department of Transportation, Transport Committee of Leshan, Quanzhou Planning Bureau, Construction Committee, Beijing Transportation Research Center and Transportation Committee from several districts of Shanghai including Fengxian Jiading, Songjiang, Baoshan, etc.

Representatives from over 30 local rail transit operation units have visited the exhibition and attended to the fringe conferences, including Shanghai, Beijing, Guangzhou, Tianjin, Chongqing, Shenzhen, MTR, Chengdu, Harbin, Xi'an, Lanzhou, Taiyuan, Shenyang, Qingdao, Dalian, Nanjing, Ningbo, Suzhou, Hangzhou, Hangzhou MTR, Wuxi, Wenzhou,

Xiamen, Zhengzhou, Kunming, Wuhan, Changsha, Nanchang, Hefei, Foshan etc.

Delegates from Beijing Shanghai High-Speed Railway Co., Ltd., Beijing, Tianjin Intercity Railway Investment Co., Ltd., Nanning Guangzhou Railway Co. Ltd., Shanxi Intercity Railway Co., Ltd., Xiamen-Shenzhen Railway (Guangzhou) Co., Ltd., Pudong Shanghai Rail Transportation Development Investment Co., Ltd. and representatives from Railway Institutes from nationwide have attended to the exhibition and fringe programs. Delegates from over 30 design and planning institutes and rail transit construction units including China Railway First Survey & Design Institute Group Co., Ltd., China Railway Eryuan Engineering Group Co., Ltd., School of Transportation Southeast University of China Railway Siyuan Survey and Design Group Co., Ltd., China City Development Academy, Shanghai Urban Construction Design & Research Institute, China Railway Shanghai Design Institute Group Co., Ltd., Wuhan Transportation Planning Institute, Zhuzhou Planning Institute, Guangzhou Design Institute, Shanghai Geotechnical Investigations & Design Institute Co., Ltd., Tongji Architectural Design (Group) Co., Ltd., Shanghai City Urban Construction Design & Research Institute, Zhuhai Urban Construction Group Co., Ltd., Nantong Urban Construction Group have also attended to the exhibition.

In addition, financial and real estate organizations have deepen the engagement, such as China Development Bank, Green Field Investment, ABC Financial Leasing, CMB Financial Leasing, ICBC, CITIC AMC and China Continent Insurance. At the same time, representatives of relevant organizations from the nations and regions of the 'One Belt and One Road' have participated in the event, they are: ProMéxico, Russian Federation of Business and Industry, Shanghai Representative Office and Consul Generals of Consulate Shanghai of Germany, Hungary, Turkey, Iran, Malaysia, India, Romania, Nigeria, Serbia and Kazakhstan.

Key Exhibitors & Major Products

Exhibits of ***Rail+Metro China 2015/Tunnel China 2015*** covered rolling stocks and depot; components and interior; platform and relative devices; electricity supply and electromechanical device; signal and communication system; engineering construction;

machinery device; materials; planning, design and consultancy; rail tracks; college and institute; operators and media etc.

Rolling Stocks and Depot: Alstom (China) Investment Co., Ltd., CSR Corporation Ltd., China CNR Corporation Ltd., Air train International Shanghai Co., Ltd., Intamin Transportation

Components and Interior: ContiTech Shanghai Rubber & Plastics Technology Ltd., Schunk Carbon Technology (Suzhou) Co., Ltd., MENNEKES Industrial Electric (Nanjing) Co., Ltd., Rittal Electro-Mechanical Technology (Shanghai) Co., Ltd., Jiangsu Railteco Equipment Co., Ltd., Deayea Technology Co., Ltd., Suzhou Huaqi Intelligent Technology Corp., EASYWAY.

Signal and Communication System: Thales Saic Transportation System Co., Ltd., China Potevio Co., Ltd., Witen Technologies Co., Ltd.

Track Vibration Testing and Maintenance: Sunrui Rubber & Plastics Science and Technology Company, GERB (Qingdao) Vibration Control Co., Ltd., Zhejiang Tiantie Industry Co., Ltd., Taicang Zhongbo Railway Fastening Co., Ltd.

Planning, Design and Operation: Shanghai Shentong Metro Group Co., Ltd., Shanghai Urban Construction Design & Research Institute, Shanghai Tunnel Engineering & Rail Transport Design and Research Institute, China Railway Shanghai Design Institute Group Co., Ltd., Shanghai Municipal Engineering Design Institute (Group) Co., Ltd.

1. Complete self-create China Standardized CRH Traction System and Network Control System —— CNR

The major product on CNR booth is the complete self-create China standardized CHR traction system and network control system. Visitors are able to get on board of the driver's desk which is provided by Qingdao Sifang Rolling Stock Research Institute Co., Ltd., and get a firsthand experience of being a subway driver and learning the traction

operating principle of a subway train through practice. Another sight worthy product is the PIS touch screen produced by CNR TH Soft InfoTech, which provided an opportunity for visitors experiencing the highly intelligent PIS services.

Under the background of “One Belt and One Road Initiative’ strategy, the most well-known products also appeared at the exhibition. Such as the EMUs and subway trains that gave service to Brazilian World Cup, tank cars that exported to France, electric locomotives that exported to the Republic of Belarus, trams that exported to Turkey and DMUs that exported to Bangladesh etc.

2. Green and Intelligent Revolution for Rail Transit Industry —— CSR

The major product that is showcased on CSR booth is the latest developments of modern trams. The most distinct feature of the first energy-storage modern tram that made by CSR is the ‘flash’ auto-charging function of the contact rail on the top of the vehicle, with the longest fully charged time less than 30 seconds, and the running distance of a fully charged vehicle is 3~5 kilometers. This is more than sufficient compared with the urban public transit which normally setting up a charging point every 500~1000 meters.

This new type of modern tram is environment friendly and intelligent. It can share way with other ground transportation, and it is able to intelligent control the traffic light to ensure the priority of itself as the public transportation. This can be mostly improving the service efficiency of urban traffic and lower the cost of systems engineering.

3. Localization Achievements —— Alstom

Alstom has showcased their advanced rail transit technologies. extensive product portfolio and comprehensive local layouts to buyers, retailers and manufacturers during the exhibition, including their successful cases and projects in China and around the globe. Except for showing their classic CITADIS tram model and CORADIA regional vehicle model, the showcase also includes dampers, traction and electrical machine

components model and Alstom drive system scheme. Furthermore, the first localized modern tram demonstration line in Shanghai --- Songjiang modern tram outline drawing is also exhibited on Alstom's booth.

4. Independent Innovation for Shanghai Disneyland line —— Thales Saic Transport

As the contractor of the signal system for Disneyland Shanghai metro line, Thales Saic Transport Shanghai has allocated the most advanced SelTrac ®CBTC signal system to this line, and has showcased the simulation of large passenger flow operation at the exhibition. Currently, the network system designing, software programming, field installation and testing of Disney line project will be entirely accomplished by Thales Saic local team. The most valuable feature is the core subsystem software is completed by Chinese engineer. The company is using the unique mode of '100% Import of advanced technology, Independent innovation of high starting point', and established a series of proprietary intellectual property and applied them on the Disney line, which makes the line become 'made in China'.

5. 4G Broadband Multi-media Cluster Solution —— Witen Technologies Co., Ltd.

Witen Technologies Co., Ltd. and Xi'an Leidi Maintenance System Equipment Co., Ltd. have jointly showcased their equipment and provided on-site experience from multiple dimensions. 4G constructions on the platform of 43 stations of the 5 Shanghai metro lines which opened at the end of 2012 was fundamentally complete, whether Telecom, CMCC or China Unicom users are all able to access to 4G, 4G communication technology application represents the general trend within the industry. Witen's urban transit solution is based on TD-LTE end-to-end multi-media trunked dispatch system, which allows to access multi-service bearer, such as trunked dispatch, PIS, CBTC, CCTV etc., and it is able to improve the efficiency of operation and lower the maintenance cost.

6. Fully Automatic Driverless Air Train System — Air Train International

Shanghai Co., Ltd.

The model on Air Train's booth made a lot of headlines during the exhibition. The latest European new type, fully automatic driverless rail transit system — Air Train, is derived from Siemens technology. This is a type of light, mid-speed, mid transport volume urban public transportation, between general public transportation and rail transit. Air Train system is featuring safety, environment friendly, economical, less land occupation, convenient installation, short construction period, efficient, dismantlable and 24-hour operation. Air Train is now implementing technology localization and planning on real vehicle production by the end of year. There are over 10 Air Train research institutes have been established in Shanghai and Tianjin.

7. Facial Recognition Passenger Ticket Checking System — China Potevio (Shanghai)

China Potevio Shanghai is the only company in China equipped with system integration, equipment production, professional test and maintenance services. They represent the most advanced and innovative China's rail transit passenger information system. The facial recognition passenger ticket checking system is their latest innovative achievement.

Dynamic Conference Programs — Gathering top industry executives, Focusing industry hot topics

Throughout the three-day event, 7 high-quality and high-level conferences and seminars was held in conjunction with *Rail+Metro China/Tunnel China*. Conferences and seminars were divided into 4 sections — 'Globalization of high-speed railway and urban rail transit', 'Planning, design, investment and urbanization', '*Operation management and*

electromechanical equipment’ and ‘Infrastructure’. Themes were covering ‘Application and Implementation of the PPP Mode in Urban Mass Transit’, ‘One Belt and One Road Initiative’ Rail+Metro Development and Cooperation’, ‘TOD Investment of Rail Transit’, ‘Tram and Diversification of Rail Transit’, ‘Rail Operation Management’, ‘Railway Vibration and Noise Control’, ‘Tunnel and Underground Engineering Technology’.

Over 160 speakers delivered keynote speeches and addresses on the conferences and seminars, attracted more than 2,000 attendees from domestic and around the globe, which hit the new record of the exhibition’s history.

1. 2015 “One Belt and One Road Initiative” Rail+Metro Development and Cooperation Summit

‘One Belt and One Road Initiative’ has become a national development strategy and it is involved in numerous fields, especially in rail transit infrastructure construction. The summit is organized by Council for the Promotion of International Trade Shanghai, Shanghai Academy of Social Sciences, China Financial Information Center and Southwest Jiaotong University. It explored the way to accelerate China’s rail transit equipment going global by grasping the “One Belt and One Road” opportunity.

The summit was held at 13:30 on 8th April at Pudong Kerry Hotel. The summit was moderated by Ms. Liu Xiaojuan, Vice Inspector of China Financial Information Center and Mr. Pan Guojing, Secretary-general of Chamber of International Commerce Shanghai. Mr. Zhou Taitong, Vice Chairman of Shanghai People's Political Consultative Committee; Mr. Wu Lei, Vice Director of Shanghai Municipal Commission of Economy and Informatization; Mr. Yang Jianrong, Chairman of Council for the Promotion of International Trade Shanghai; Mr. Li Jingheng, Vice Director of China Financial Information Center; Mr. Andrey Smorodin, Consulate General of the Russian Federation in Shanghai; Mr. Florin Marius Tacua, Consulate General of Romania in Shanghai attended and addressed a welcoming message on the summit.

Mr. Wang Zhan, President of Shanghai Academy of Social Sciences and Mr. Xu Fei, President of Southwest Jiaotong University delivered keynote speeches. CSR, China Development Bank, CMB Financial Leasing, Malaysia Investment Development Association (MIDA), Center for High-speed Railway Technology, Tsinghua University, Huawei etc have also attended to the summit.

2. 2015 the 2nd China Rail+Metro Development Forum——Application and Implementation of the PPP Mode in Urban Mass Transit

In order to practice <the State Council: Views on Innovating Key Field Investment and Encouraging Social Investment> (Guofa (2014) No., 60) and <the National Development and Reform Commission: Views on the Combination of Government Fund and Social Capital> (Development and Reform Investment (2014)No. 2724) (hereinafter referred to as <the Views>), the seminar is aiming to interpret <the Views> and present experience from applicable perspective.

The seminar was held on 7th April on 9:30am at Grand Soluxe Zhongyou Hotel Shanghai. The seminar was moderated by Mr. Zhou Xiaoqin, Director of Transportation Department, China International Engineering Consulting Corporation. Mr. Li Guoyong, Counsel (DG-level) of Department of Basic Industries, National Development and Reform Commission delivered an opening speech. Mr. Wu Di, Deputy Director General of Project Appraisal Department 1 of China Development Bank has talked about urban rail transit development from financial perspective; Mr. Li Kaimeng, Research Professor, Director General of Research Center of China International Engineering Consulting Corporation has discussed obstacles and measures of the implementation of PPP mode; Mr. Wu Wenhui, Vice General Manager of Hangzhou Metro Group Co., Ltd., Mr. Ren Yuhang, General Manager of Department of Financing Program of Beijing Infrastructure Investment Co., Ltd. and Mr. Frank C F Yuen, Chief Project Manager of Shenzhen Hongkong MTR Corporation have discussed about the practical experience from operational perspective. Mr. Zhou Guohua, Executive Director of International Development Cooperation Innovation Center of China High Speed Railway and Mr. Zhu Xiaobing, Member of Consultation

Committee of Southwest Jiaotong University China PPP Institute have proceeded in-depth exploration of the PPP mode.

More than 300 audiences were attracted to the forum, they are from local DRCs, metro operation companies, design and planning institutes, construction units, consultancy institutes and manufacturers.

3. 2015 the 2nd TOD Investment of Rail Transit Seminar

The 2nd TOD Investment of Rail Transit Seminar is organized by Southwest Jiaotong University and Intex Shanghai Co., Ltd. and undertaken by Intex Shanghai and Southwest Jiaotong University (Shanghai) TOD Research Center. The seminar was held on 8th April at Kerry Pudong Hotel. The theme of the seminar is ‘how ‘rail transit + real estate’ will be achieved in China - benign interaction between rail transit and urban development’.

The seminar was moderated by Mr. Zhu Xiaobing, Director of Southwest Jiaotong University (Shanghai) TOD Research Center. Mr. Yang Zhaolin, GM of Land Development Division of Beijing Infrastructure Investment Co., Ltd.; Mr. Zhuang Wei, Vice GM of Assets Operation and Management of Shanghai Shentong Metro Group Co., Ltd.; Mr. Gerald Olivier, Infrastructure Specialist of World Bank; Mr. Sheng Yuping, Vice GM of Xiamen-Shenzhen Railway (Guangzhou) Co., Ltd.; Mr. Leung Pingkin, GM of Real Estate of the Pearl River Delta of MTR Corporation; Mr. Jin Murakami, Vice Professor (PhD) of City University of Hong Kong; Mr. Chen Minyang, Vice Chief Planner of Arup Group; Ms Tang Jian, Director of National Center for Research on Earthquake Engineering of China Land Surveying and Planning of Ministry of Land and Resources and Mr. Wang Xiaochuan, Vice Director of Southwest Jiaotong University (Shanghai) TOD Research Center delivered keynote speeches on the seminar.

There were also 3 round table discussions discussed about: ‘subway and urban development’, ‘profit distribution of various subjects of TOD PPP’ and ‘the future TOD research and practice in China’.

4. 2015 the 3rd Tram and Diversification of Rail Transit Seminar

The seminar was held on 9th April at Kerry Pudong Hotel. The seminar is supported by Shanghai Municipal Transportation Commission, China Academy of Transportation Sciences and Shanghai Urban Construction Design & Research Institute. The seminar was organized by Shanghai Urban Construction Design & Research Institute, Southwest Jiaotong University and Intex Shanghai Co., Ltd., co-organized by Tongji University Institute of Rail Transit, and undertaken by Intex Shanghai and Sino-Euro Tram Innovation Centre. The seminar contains the topics of: ‘modern tram network planning process and applications’, ‘vehicle and power supply’, ‘intelligent control and signal priority’ and ‘operation and safety’.

The seminar was moderated by Mr. Xu Zhengliang, Chief Engineer of Shanghai Urban Construction Design & Research Institute. Mr. Qin Guodong, Vice Director, Ministry of Construction of Metro and Light Rail Research Center; Mr. Liu Weijie, President of Shanghai Urban Construction Design & Research Institute; Mr. Fabien Shultz, Managing Director of Euratrade SAS; Mr. Morimoto Akinori, Professor of Faculty of Science and Equipment of Waseda University; Mr. Thomas Richez, CEO of Richez Associes Architecyure Urbanisme Paysage; Mr. Liu Dongbo, Director of Department of Urban Rail Transit Control of Traffic Management Research Institute of the Ministry of Public Security; Mr. Kwan Kin Hong, Head of Operating-Shenzhen MTR Co., Ltd. delivered keynote speeches. Specialists from Alstom Transport, Dalian Locomotive and Rolling Stock Co., Ltd. CNR Group, CSR Zhuzhou Electric Locomotive Co., Ltd., Thales Saic Transportation System Co., Ltd., Casco Signal Co., Ltd., Shenyang Urban Planning Design and Research Institute and Huai’an Modern Tram Operation Co., Ltd. also attended to the seminar and delivered speech.

5. 2015 the 1st Rail Operation Management Seminar

The 1st Rail Operation Management Seminar is organized by China Academy of Transportation Sciences and undertaken by Intex Shanghai which was held at Kerry Pudong Hotel and SNIIEC. The seminar was positioning the themes of ‘Urban rail transit operation positioning and challenges’, ‘Urban rail transit personnel training and management of key positions’ and ‘Urban rail transit key facility operating safety analysis’.

The theme 1: ‘Urban rail transit operation positioning and challenges’ was moderated by Mr. Cui Xuezhong, Vice Dean of China Academy of Transportation Sciences. Mr. Mao Baohua, Professor of Beijing Jiaotong University; Mr. Shao Weizhong, Vice Chairman of Shanghai Shentong Metro Group; Mr. Jian Lian, Vice Director of Shenzhen Metro Group; Mr. Liu Baolin, Deputy GM of Safe and Quality Department of Guangzhou Metro and Mr. Zhang Zhuting, Professor of Administrative Cadre Institute of Ministry of Transport delivered keynote speeches.

The theme 2: ‘Urban rail transit personnel training and management of key positions’ was moderated by Mr. Sun Zhang, Professor of Tongji University Institute of Rail Transit. Mr. Liu Ying, Operation Manager of Beijing MTR Co., Ltd.; Mr. Liu Xiaofeng, HR General Manager of Guangzhou Metro Group; Mr. Li Peinian, Vice Secretary-General of Jiangsu Rail Transit Association and Dr. Feng Xujie of China Academy of Transportation Sciences discussed training, human resource management, position management and industry standard for rail transit future development from multiple aspects.

The theme 3: ‘Urban rail transit key facility operating safety analysis’ was moderated by Mr. Ma Ziyang, Vice GM of Zhengzhou Metro Group Co., Ltd. We are honored to invite Mr. Liu Baolin, Deputy GM of Safe and Quality Department of Guangzhou Metro, Mr. Liu Jin, Project Operation Supervisor of Thales Saic Transportation System Co., Ltd.; Mr. Huang Hong, System Security Supervisor of Casco Signal Co., Ltd.; Mr. Zhang Likuan, Engineer

of China Academy of Transportation Sciences to attend to the seminar.

6. 2015 the 3rd Railway Vibration and Noise Control Seminar

The 3rd Railway Vibration and Noise Control Seminar was held on 8th April at N2-M42 SNIEC. The seminar is organized by Tongji University Institute of Rail Transit, State Key TPL, Southwest Jiaotong University, Intex Shanghai and co-organized by Beijing Jiaotong University.

The seminar was moderated by Mr. Geng Chuanzhi, Professor of IRT of Tongji University. 12 renowned professionals and experts were invited to the seminar and presented speeches, they are Mr. Liu Weining, Professor of Vibration & Noise Control Lab of Beijing Jiaotong University; Mr. Jin Xuesong Professor of State key TPL of Southwest Jiaotong University; Mr. Huang Hongdong, Deputy GM of Construction Department of Guangzhou Metro; Mr. Wang Anbin, Chief Engineer of Luoyang Shuangrui Rubber & Plastics Technology Co., Ltd.; Ms. Feng Qijing, President of Sielens Rail; Mr. David Herron, Research and Development Engineer of Pandrol Limited; Mr. Tian Ye, PhD of Rail Transportation Institute of Tongji University; Mr. Yin Xuejun, GM of GERN (Qingdao) Vibration Control Co., Ltd.; Mr. Ming Xuanhui, Chief Technology Officer of Vossloh Fastening Systems (China) Co., Ltd.; Mr. Zeng Xiangrong, Professor Level Senior Engineer of Beijing Ikelu; Mr. Wang Bo, Chief Engineer of Zhejiang Tiantie Industry Co., Ltd. and Mr. Zheng Jie, Application Manager of SABIC Innovative Plastics Management (Shanghai) Co., Ltd.

7. 2015 the 8th Tunnel and Underground Engineering Technology Seminar

9th April 2015, under the support of China Civil Engineering Society, Beijing Jiaotong University and Southwest Jiaotong University, the seminar that is organized by Tunnel & Underground Works Branch of China Civil Engineering Society, Shanghai Society of Civil Engineering and Intex Shanghai and co-organized by www.stec.net was held at N2-M42 SNIEC.

The seminar was moderated by Mr. Fu Deming, Vice Secretary-general of Shanghai Society of Civil Engineering. Mr. Guo Shanyun, Chairman of Tunnel & Underground Works Branch of CCES; Mr. Zhong Shihang, Researcher of China Academy of Railway

Sciences; Mr. Jiang Shuping, formal Chairman of China Merchants Chongqing Communications Technology; Mr. Jia Lianhui, Dean/Chief Engineer of Design Institute of China Railway Engineering Equipment; Mr. Yang Zhihao, Dean of Shanghai Tunnel Engineering & Rail Transit Design & Research Institute; Mr. Jiang Hong, Chief Engineer of Shanghai Urban Construction Design & Research Institute; Mr. Luo Jianhui, Deputy Chief Engineer of Urban Traffic and Underground Space Design Institute of Shanghai Municipal Engineering Design Institute (Group) Co., Ltd.; Mr. Li Peinan, PhD of Shanghai Tunnel Engineering Co., Ltd.; Mr. Zhou Huating, Project Manager of SGS and Mr. Zhao Wenbo, Construction Department Manager of Wuerth (China) attended to the seminar and delivered keynote speeches.

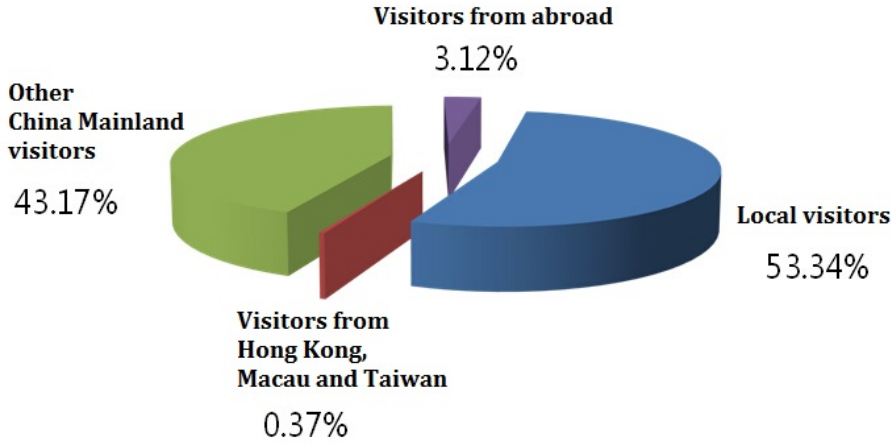
Another record high number of professional visitors

The number of professional visitors for Rail+Metro China 2015/Tunnel China 2015 has reached 13,512, total person-time has reached 16,855. 7% growth compared with in 2014. Domestic visitors are from 30 provinces (including municipality and autonomous regions), 223 cities and regions, while overseas visitors are from 42 countries and regions, which hit a new record of the exhibition's history.

Overseas visitors are from the U.S., Canada, Australia, New Caledonia, Egypt, South Africa, Algeria, Kenya, Chile, Ecuador, Mexico, Germany, Russia, Switzerland, Austria, Italy, Spain, Turkey, France, Estonia, Belgium, the U.K., Netherland, Norway, Korea, Japan, Indonesia, India, Singapore, Malaysia, Thailand, Uzbekistan, the Philippines, Iran, Bangladesh, Mongolia, Israel, Syria, UAE, Vietnam, Hong Kong SAR, Taiwan Province and etc., which is 3.12% of the total number.

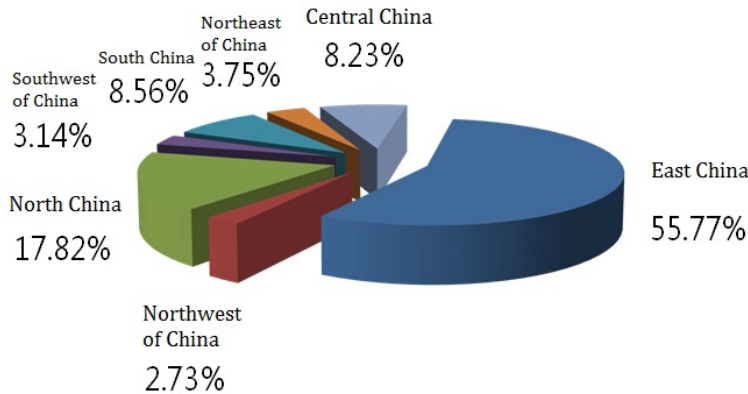
Statistics:

Source of Visitors' Region



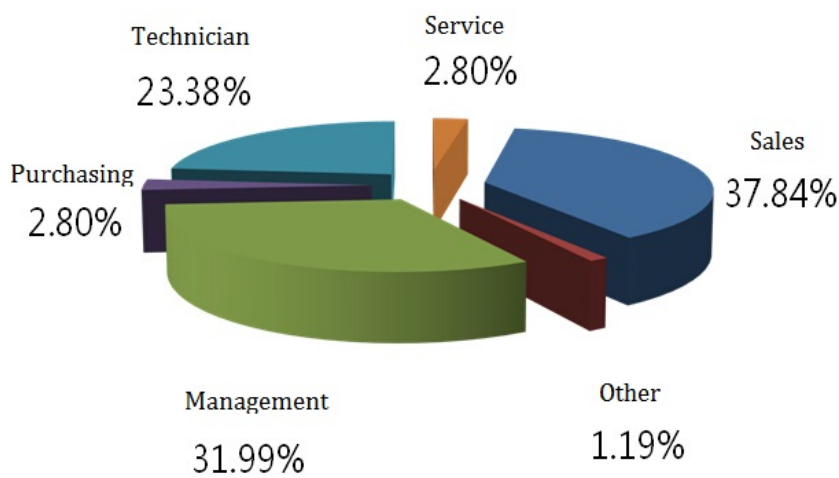
Note: local visitors still take a great proportion, however, the number of visitors from other cities and regions in China mainland is 3.3% increase compared with last year, which indicates the source of visitors has radiated around the country.

Source of Visitors' from China Mainland (Administrative Region)



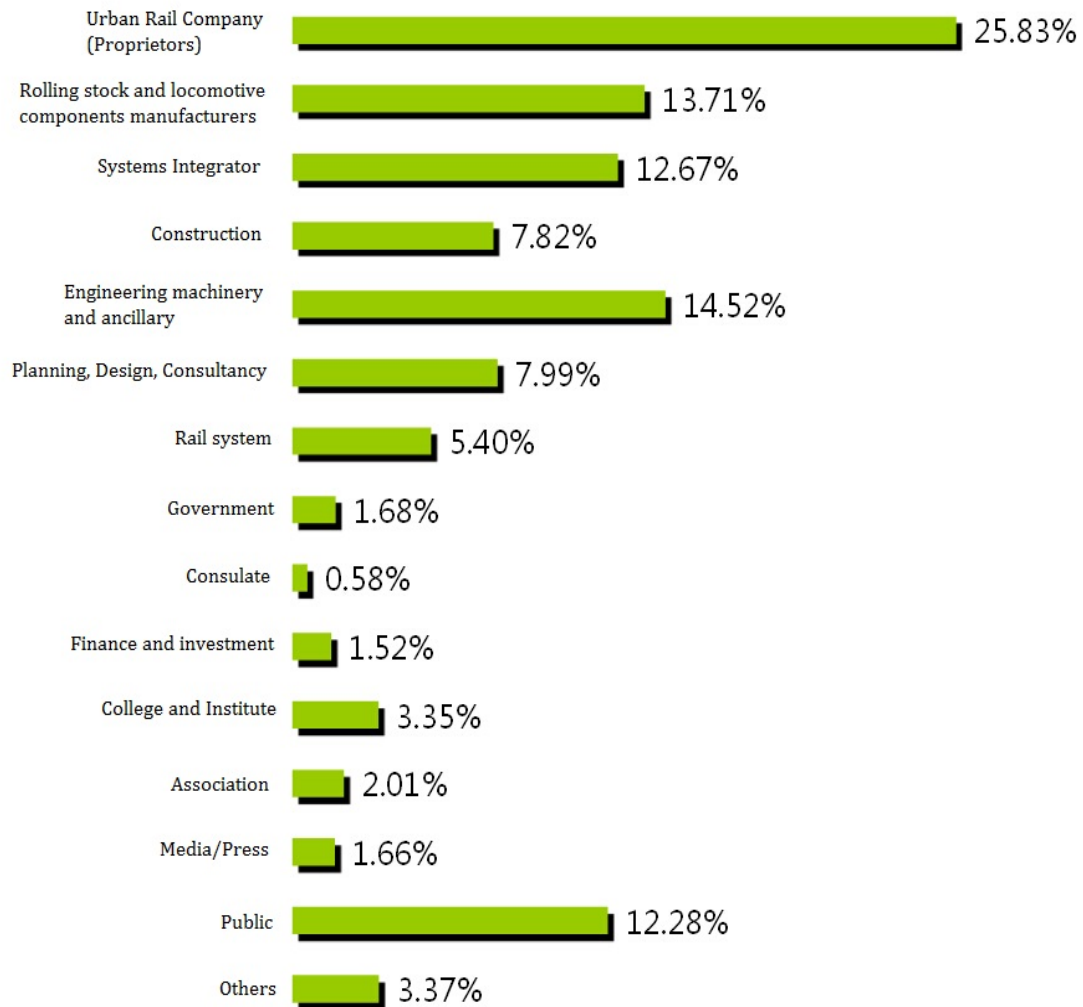
Note: visitors in China mainland are mainly from East China, which shows the exhibition is mainly covering the market in the eastern part. However, the proportion is 9.2% decrease compared with last year’s result, visitors from other parts of China mainland has increased, which demonstrates that visitors’ regions are led to equalization national wide.

Classified Statistics of Visitors’ Department



Note: the number of visitors from management and sales department has slightly increased compared with 2014.

Nature of Visitors' Business



Note: compared with 2014, the number of visitors from rail transit proprietors; construction units; engineering machinery and ancillary companies; planning, design and consultancy institutes is increased by 1.6%, 1.7%, 2.6% and 3.5% respectively.

Multi-channel, Multi-form advertisement (pre-show, on-site, post show)

Integration publicity

The organizing committee has gone through the means of mail, telephone, text message, Email, Weibo (Twitter), WeChat as well as official website to promote the exhibition.

We have pushed 8 times of exhibition notifications to tens of thousands of data before the show, on-site and after the show. The information covered dynamic exhibition information,

exhibitor service notification, fringe program notifications and tips etc., which is aiming to provide a more personalized services for both exhibitors and visitors.

On the base of the internet media promotion platforms that built in 2013, the event is continuous using the advantages of Weibo, WeChat and e-news, strengthens the amount and period of the e-news, delivered over 10 exhibitors' event previews and products recommendation before the exhibition.

The number of followers on the WeChat platform has reached 8,000 since 2012. We have taken into account of WeChat users' reading pattern and have been sending different types of exhibition and industry information every week, and also opened up thematic columns in order to increase the expertise of the exhibition. The WeChat platform also uses real-time reporting and pushes the latest exhibition information during the exhibition, including exhibitor list, floor plan, fringe programs and supporting services etc.

In-depth cooperation with specialized media/press

The exhibition in 2015 was not only focusing on the specialized media of rail and metro industries, but also the derivative industries in order to widen the scale and influence.

Over 20 domestic and international specialized media were engaged in the pre-event, on-site and post-event promotion, including <World Railway>, <Urban Mass Transit>, <Bodo's Power Systems>/<ETZ>, <Railway procurement and logistics>, <Rail Transportation Equipment and Technology>, <Electric drive for locomotives>, <Electric Equipment Magazine Press>, Chinese version of <RZD-Partner Press (Russian)>, <Electric locomotives & mass transit vehicles>, <High-speed rail and rail transit>, MM <Maschinen Markt>, <Railway Gazette International>, <Tunnel Construction>. <Exploration Engineering (Rock & Soil Drilling and Tunneling)>, www.rail-transit.com, www.cisregister.com, www.QCTester.com, www.ca168.com, www.job1001.com, www.stec.net, www.gongkong.com etc.

Publication of the 2nd <RMT---Rail+Metro+Tunnel> Magazine

The magazine is devoted to promote the industries and exhibitors, covering domestic and international industrial information and exhibition theme. Key topics that highlighted in the magazine including: ‘Application and Implementation of the PPP Mode in Urban Mass Transit’, ‘TOD Investment Mode’, ‘‘One Belt and One Road Initiative’ Rail+Metro Development and Cooperation’, ‘Diversified Modes of Rail Transit’, which are responding the theme of the exhibition.

Public and International Press Promotion

Newspapers advertisement: April 2nd and 3rd, put over 200 thousand exhibition tickets on *Jiefang Daily*, *Dongfang Post* and *Morning Post*.

TV Interviews: April 8 to 10 2015, the *CBN TV* interviewed CSR, CNR, Air train’s booths, and reported the ‘‘One Road and One Belt Initiative’ Rail+Metro Development and Cooperation Summit’. *Shanghai TV* and *Dragon TV* have also reported the exhibition for 3 minutes during prime time of the ‘*Daily News*’.

News990 Interview: during the exhibition, the *News990* respectively played the interview of Thales Saic Disney metro line and China Potevio.

Participated presses (newspapers, websites and TV stations): *Jiefang Daily*, *Wenhui News*, *Xinmin Evening News*, *Morning Post*, *Dongfang Post*, *Youth Daily*, *Ta Kung Pao*, *The Age*, *Shanghai Business News*, *Labor Report*, *Pudong Times*, *China Securities Journal*, *Yangtze Evening News*, *CBN TV*, *990 Radio*, www.xinhuanet.com, www.people.cn, www.xinmin.cn, www.chinanews.com, www.shanghai.gov.cn, www.jfdaily.com, *Economic Information*, www.nbd.com.cn, www.zaobao.com, www.dagong51.com, www.eastday.com, www.cnstock.com, www.cs.com.cn and www.thepaper.cn etc., over 20 main stream print media and 100 websites have reposted the content of the exhibition.

International promotion: *Colpisa News Agency*, *Sankei Shimbun*, *The Yomiuri TV*, *Reuters*, *Zaobao* have reported the exhibition around the globe.

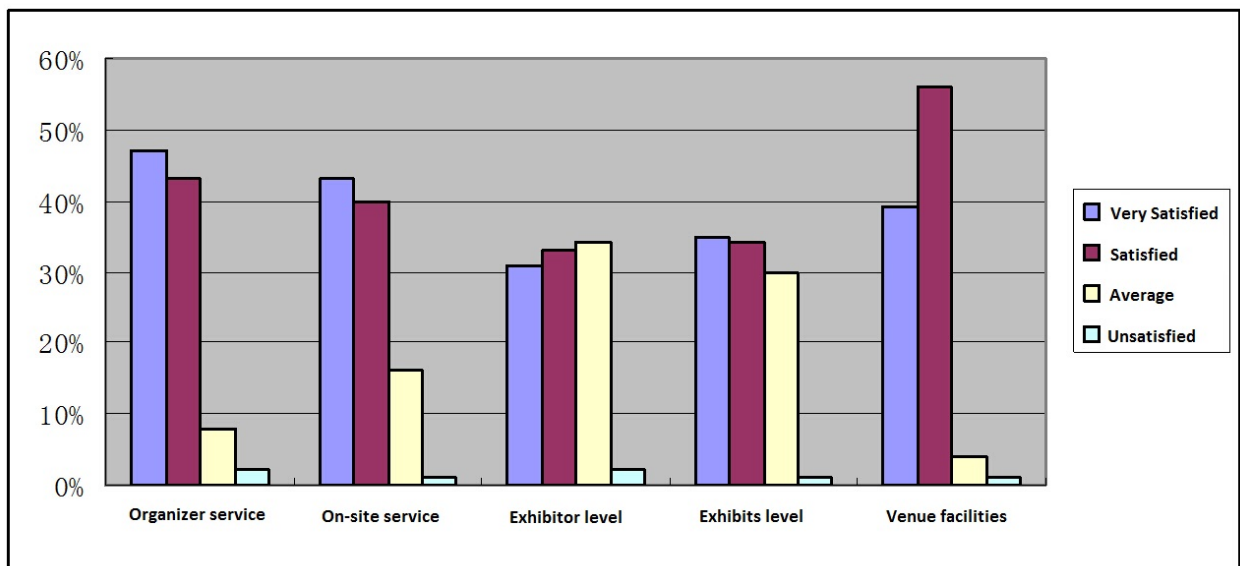
Rail+Metro Culture Exhibition

One additional lightspot on the exhibition is the Rail+Metro culture exhibition area. The organizing committee has promoted the area and has cooperated with Shanghai Shentong Metro Museum. Before the show, we have collected plenty of collections from professional collector and amateur collectors. Such as over 60 rail photos from photographer Luo Chunxiao, over 200 rail or subway tickets from amateur collectors and rail themed cartoon illustration from web celebrity ‘Little World’ etc. The themed exhibition area is aiming to add more fun to the exhibition, changing the old understand of rail transit being specialized and inaccessible.

Increasing satisfaction rate from exhibitors and visitors

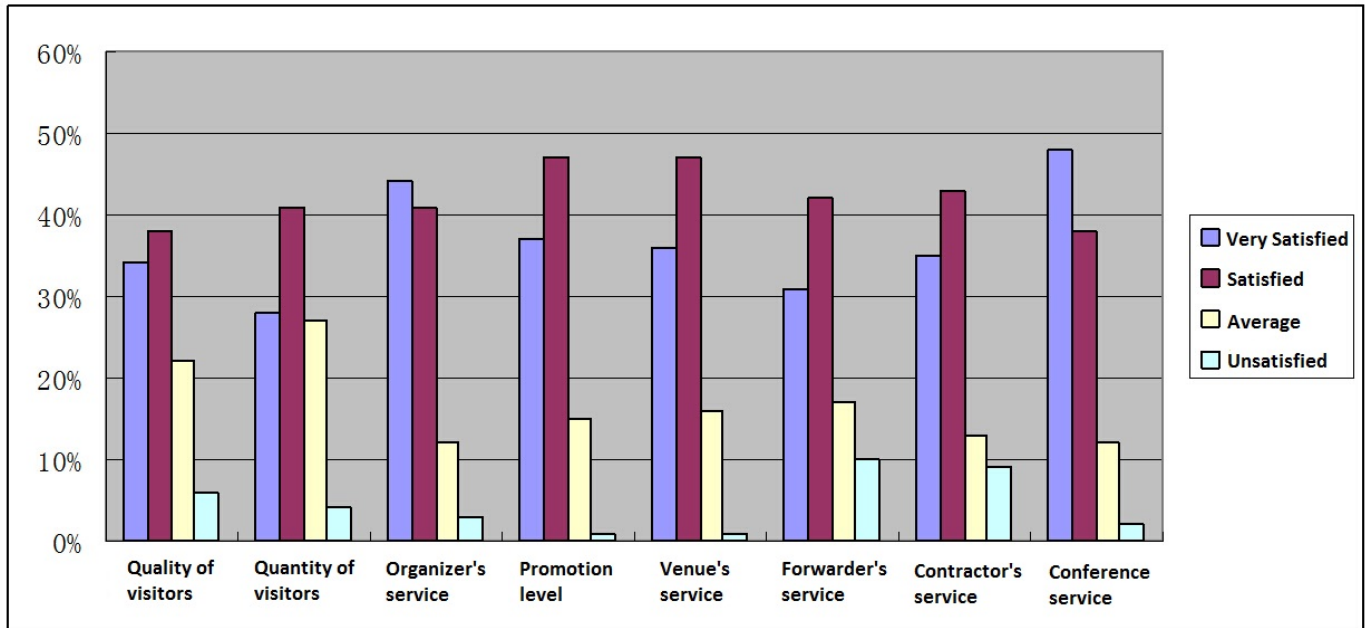
Exhibitors’ satisfaction rate in 2015 is increased compared with 2014, especially with the ‘quality of visitors’ and ‘quantity of visitors’ satisfaction rate respectively reached 73% and 68%. Other supporting services satisfaction rates are also favorable such as press promotion, services, contractor services and forwarder services, details are as followings:

Chart 1: 2015 Exhibitors’ survey



We have surveyed 500 professional visitors, collected 452 valid questionnaires and the result is increased compared with last year. We have also surveyed audiences from the conferences and seminars, over 95% audiences are satisfied about the speakers and their keynote speeches. Details are as followings:

Chart 2: 2015 Professional visitors' survey



Technology and innovation is vital for the prospective development. As the most influential exhibitions in China's mass transit and tunnel industry, *Rail+Metro China* and *Tunnel China* will keep on leading the industry's development, and build off a platform for global cooperation. We truly appreciate your proactive participation! We will forge ahead and scale new heights! We are looking forward to see you next year on June 14-16, 2016 at Shanghai New International Expo Center!

The Organizing Committee of Rail+Metro China/Tunnel China



Contacts:

Intex Shanghai Co., Ltd.

Add: Room 801-804, New Town Mansion, 55 Lou Shan Guan Road, Shanghai 200336,
China

Miss Jessie Hu, Mr. Aaron Li, Miss Ivy Chen, Miss Annie Shi, Miss Winnie Zhu

Tel: +86-21-62951060 62951009 62952013 62952073 62951007 62956677

Fax: +86-21-62780038

Email: huxiaoping@intex-sh.com liyanzong@intex-sh.com

chenzengjie@intex-sh.com shianan@intex-sh.com zhuxiaopei@intex-sh.com

Web: www.metro-china.org

www.tunnel-china.org