

14th annual

# **Asia Pacific Rail 2012**

co-located with



## Asia's leading rail industry gathering

13 – 15 March 2012  
Shangri-La Hotel Kowloon, Hong Kong

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**BOMBARDIER**

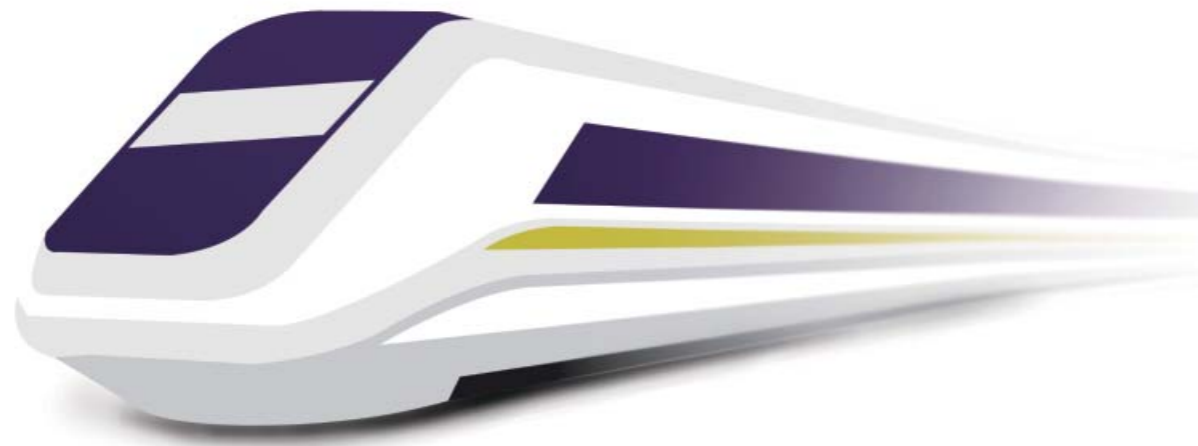
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# 10 reasons to attend



For rail operators, working out how to balance operational efficiency, safety and bottom-line performance is a big challenge, especially as infrastructure ages and asset performance deteriorates.

In the growing railway industry, benchmarking with other metros is the best strategy to improve on performance and profitability.

Asia Pacific Rail 2012 is the platform where C-level railway professionals strategise to drive profitability whilst ensuring optimal reliability and safety. Gain firsthand information from your regional rail peers on how they are addressing their challenges, so you too can implement these in your organisation.

- 1** Benchmark your rail network with the world's leading operators and learn how to improve on your KPIs
- 2** Optimise tunnel design and construction strategies to minimise costs and drive on-time project delivery
- 3** Apply the right innovation to optimise resource management, operational and cost efficiency
- 4** Deploy the right energy efficient systems to reduce operational costs
- 5** Implement the best rolling stock and signalling systems that meet metro expansion plans
- 6** Drive asset performance through robust O&M management
- 7** Learn about the latest technologies to improve public transit security
- 8** Build a secure and resilient network through a sound crisis management strategy
- 9** Achieve maximum ROI on your fare collection systems by extending asset life
- 10** Improve your network's financial viability through effective revenue optimisation strategies



**View the event website on your phone**

Scan this QR pattern with the camera on your smartphone to view Asia Pacific Rail 2012 website.

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Don't have a smartphone? You can also visit the website on [www.terrapinn.com/asiarail](http://www.terrapinn.com/asiarail)

# speakers 2012

"Good slate of speakers and good mix of topics."

Sim Wee Meng | Group Director, Rail (Circle and Downtown Lines) | Land Transport Authority, Singapore

## Operations & Maintenance



**Jacob Kam**  
Operations Director  
MTR Corporation,  
Hong Kong



**Witoon Hatairatana**  
Operations Director  
Bangkok Metro Public  
Company Limited,  
Thailand



**Alex Chang**  
Chief Operating Officer,  
Railway Operations  
Taiwan High Speed  
Rail Corporation

## Metro Projects and New Lines



**N. Sivasailam**  
Managing Director  
Bangalore Metro  
Rail Corporation  
Limited, India



**Sanjay Gupta**  
Executive Chairman  
Metrolink Express  
for Gandhinagar and  
Ahmedabad Limited,  
India

## Keynote Plenary Session



**T.C. Chew**  
Projects Director  
MTR Corporation,  
Hong Kong



**Mohd Nur Ismal  
Mohamed Kamal**  
Chief Executive  
Officer  
Land Public  
Transport  
Commission,  
Malaysia



**Sim Wee Meng**  
Group Director, Rail  
(Circle and Downtown  
Lines)  
Land Transport  
Authority, Singapore



**Bambang  
Susantono**  
Vice Minister of  
Transportation  
Ministry of  
Transportation,  
Indonesia

## Signalling



**Karl Dodsworth**  
Project Manager,  
Signalling  
MTR Corporation,  
Hong Kong



**Khoo Hean Siang**  
Executive Vice  
President, Trains  
SMRT Trains Ltd,  
Singapore

## Rolling Stock



**Jurandir Fernandes**  
Metropolitan  
Transport Secretary  
of São Paulo, Brazil



**D.D. Pahuja**  
Director, Rolling  
Stock, Signalling and  
Electric  
Bangalore Metro  
Rail Corporation  
Limited, India



**H.S. Anand**  
Director, Rolling Stock  
Delhi Metro Rail  
Corporation, India



**Mike Yeoman**  
Independent Rolling  
Stock Consultant  
Hong Kong

## Tunnelling and Construction



**David Sorton**  
General Manager,  
XRL Civil Construction  
MTR Corporation,  
Hong Kong



**Ow Chun Nam**  
Director, Downtown  
Line 3  
Land Transport  
Authority, Singapore



**Marcus Levon  
Karakashian**  
Project Director  
MRT Co., Malaysia



**Rachmadi**  
Director of  
Engineering and  
Project  
PT MRT Jakarta,  
Indonesia

## Smart Rail



**David Leung**  
Chief of Operations  
Engineering  
MTR Corporation,  
Hong Kong



**Richard Keefe**  
General Manager,  
Infrastructure  
MTR Corporation,  
Hong Kong



**Hemant Garg**  
Head - IT  
Mumbai Metro One  
Pvt. Ltd., India



**Anil Kumar**  
Head of Engineering  
and Railway Systems  
L&T Metro Rail  
Hyderabad Limited,  
India



**Ronald Cheng**  
General Manager,  
Technical and  
Engineering Services  
MTR Corporation,  
Hong Kong



**Jong-Hun Park**  
Director of General  
Engineering  
Seoul Metropolitan  
Rapid Transit  
Corporation, Korea

## Conference Advisory Board



**Ian Whitton**  
Executive Director,  
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AECOM, Hong Kong



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Public Company  
Limited, Thailand



**Ow Chun Nam**  
Director, Downtown  
Line 3  
Land Transport  
Authority, Singapore



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Lines)  
Land Transport  
Authority, Singapore



**Jacob Kam**  
Operations Director  
MTR Corporation,  
Hong Kong



**Khoo Hean Siang**  
Executive Vice  
President, Trains  
SMRT Trains Ltd,  
Singapore

# speakers 2012

"A good place to speak to operators, suppliers and business partners"

Jacob Kam | Operations Director | MTR Corporation Ltd

## Rail Revenue and Customer Management



**Seung-Pyo Hong**  
Passenger Marketing  
Department Director  
KORAIL



**Joubert Fortes Flores  
Filho**  
Institutional Relations  
Director  
Metro Rio, Brazil

## Mainline



**Sokhom  
Pheakavanmony**  
Secretary of State  
Ministry of Public  
Works and Transport,  
Kingdom of Cambodia



**Ek Sittivaekin**  
Chief, Policy Planning  
Research and  
Development Bureau  
State Railway of  
Thailand

08:00 Registration

08:35 Organiser's welcome remarks

08:40 Chairperson's opening remarks



**Rudolph Mazza**  
Marketing Director  
Alcatel-Lucent, APAC

08:50 **Keynote Address: Driving MTR's ridership and revenues through metro development**



**T.C. Chew**  
Projects Director  
MTR Corporation, Hong Kong

09:30 **Keynote Address: Doubling Singapore's rail network by 2020 and delivering a people-centred land transport system**



**Sim Wee Meng**  
Group Director, Rail (Circle and Downtown Lines)  
Land Transport Authority, Singapore

**TRACK 1: METROS**

**METRO PROJECTS AND NEW LINES: BEST PRACTICE STRATEGIES**

11:30 **Keynote Address: Indonesia's National Railway Master Plan**

**Bambang Susantono**, Vice Minister of Transportation,  
Ministry of Transportation, Indonesia

11:50 **Extending the Skytrain to drive operational efficiency and to serve passenger demands**

**Chaisak Srisethanil**, Project and Engineering  
Department Manager, Bangkok Mass Transit System  
Public Company Limited, Thailand

12:10 **India Forum: Detailed tender timelines and key requirements in India's big cities**

**N. Sivasailam**, Managing Director, Bangalore Metro  
Rail Corporation Limited, India

**Subrata Gupta**, Managing Director, Kolkata Metro  
Railway Corporation, India

**Sanjay Gupta**, Executive Chairman, Metrolink Express  
for Gandhinagar and Ahmedabad Limited, India

**G.R. Madan**, Director, MRTS, Transport and  
Communications Division, Mumbai Metropolitan  
Region Development Authority, India

13:10 Networking lunch and exhibition viewing

**ROLLING STOCK INNOVATION**

14:10 **Keynote Address: Building monorails to expand network capacity whilst delivering cost efficiencies**

**Jurandir Fernandes**, Metropolitan Transport Secretary  
of São Paulo, Brazil

10:00 **Facilitating people flow in transit stations using efficient and reliable end-user transportation solutions**



**Reino Hyvärinen**  
Senior Vice President  
KONE Corporation

10:20 **Keynote Address: Expanding Malaysia's railway network: What are the key policies and projects to accelerate development?**



**Mohd Nur Ismal Mohamed Kamal**  
Chief Executive Officer  
Land Public Transport Commission, Malaysia

10:40 **Addressing the impact of rapid changes in information technology on railway signalling and communications**



**Olivier Andre**  
Global Vice President for Transportation  
Alcatel-Lucent

11:00 Morning refreshments and exhibition viewing

**TRACK 2: TUNNELLING & CONSTRUCTION**

11:20 Chairperson's opening remarks

11:30 **Keynote Address: Meeting the increasing challenges of delivering projects on-schedule**

**David Sorton**, General Manager, XRL Civil  
Construction, MTR Corporation, Hong Kong

12:00 **Keynote Address: Achieving optimal alignments – Understanding and overcoming key challenges in planning and feasibility studies of metro alignments**

**Ow Chun Nam**, Director, Downtown Line 3, Land  
Transport Authority, Singapore

12:30 **Designing and deploying communications for the Gotthard Tunnel, the world's longest railway tunnel**

**Rolf Sigrist**, Global Leader, Railway Tunnel  
Communications Practice, Alcatel-Lucent

13:10 Networking lunch and exhibition viewing

14:00 **Key strategies to ensure efficient construction of Malaysia's first mass rapid transit**

**Marcus Levon Karakashian**, Project Director, MRT  
Co., Malaysia

14:20 **Optimising and systematising project management for the efficient construction of the Korean High-Speed Railway**

**Suk-Jin Hong**, General Manager, Korea Rail Network  
Authority (KRNA)

14:40 **Design and construction aspects of TBM tunnels**

**Teh Hee Seang**, Chairman, T.Y.Lin International Pte.  
Ltd., Singapore  
**Terry Hulme**, Advisor, T.Y.Lin International Pte. Ltd.,  
Singapore

**TRACK 1: METROS**

14:30 **Monorail Forum: Justifying costs vs. returns in investing in monorails**

**Jurandir Fernandes**, Metropolitan Transport  
Secretary of São Paulo, Brazil

**Peter Timan**, Senior Specialist, Vehicle System  
Engineering, Systems Division, Bombardier  
Transportation, Canada

**Vishnu Kumar**, Director, Monorail, Mumbai  
Metropolitan Region Development Authority, India

**Interviewer:**  
**Mike Yeoman**, Independent Rolling Stock Consultant,  
Hong Kong

15:30 Afternoon refreshments and exhibition viewing

16:00 **Economical, sustainable, clean, quiet: Why monorail systems make a great technical solution for cities**

**Peter Timan**, Senior Specialist, Vehicle System  
Engineering, Systems Division, Bombardier  
Transportation, Canada

16:20 **Rolling Stock Forum: Evaluating rolling stock technologies to meet metro expansion plans**

**D.D. Pahuja**, Director, Rolling Stock, Signalling and  
Electric, Bangalore Metro Rail Corporation Limited,  
India

**Guido Vogel**, Head of Engineering, Business Unit  
Asia, Mainline and Metros Division, Bombardier  
Transportation

**H.S. Anand**, Director, Rolling Stock, Delhi Metro Rail  
Corporation, India

**Mike Yeoman**, Independent Rolling Stock Consultant,  
Hong Kong

**Nguyen Van Quoc**, Vice Chairman, The People's  
Committee of Ho Chi Minh City, Management  
Authority for Urban Railways, Vietnam

**Interviewer:**  
**Sim Wee Meng**, Group Director, Rail (Circle and  
Downtown Lines), Land Transport Authority,  
Singapore

**ROUNDTABLE DISCUSSIONS**

17:20 **1. Rolling stock technology**  
**H.S. Anand**, Director, Rolling Stock, Delhi Metro  
Rail Corporation, India

**Sim Wee Meng**, Group Director, Rail (Circle and  
Downtown Lines), Land Transport Authority,  
Singapore

**2. Signalling systems**  
**Karl Dodsworth**, Project Manager, Signalling, MTR  
Corporation, Hong Kong

**3. Network communications**  
**Billy Chan**, Transportation Consultant APA, System  
Integration Division, Alcatel-Lucent

**H.W. Chan**, Communications Network and  
Software Engineering Manager, MTR Corporation,  
Hong Kong

**4. Operations and maintenance**  
**Jacob Kam**, Operations Director, MTR  
Corporation, Hong Kong

18:00 Chairperson's closing remarks and end of conference day 1

**OR TRACK 2: TUNNELLING & CONSTRUCTION**

15:00 **Optimising urban tunnelling and underground construction for Jakarta's first MRT project**

**Rachmadi**, Director of Engineering and Project, PT  
MRT Jakarta, Indonesia

15:20 **Utilising new tunnelling technology to develop the Taoyuan Metro**

**C.C. Chang**, President, Taoyuan Rapid Transit  
Corporation, Taiwan

15:40 **Consultants' Forum: Understanding design and construction strategies for metro tunnels**

**Guy Bridges**, Executive Director, Geotechnical,  
AECOM, Hong Kong

**Mark Swales**, Transportation Director, Mott  
MacDonald, Hong Kong

**Teh Hee Seang**, Chairman, T.Y.Lin International Pte.  
Ltd., Singapore

16:40 Afternoon refreshments and exhibition viewing

**ROUNDTABLE DISCUSSIONS**

17:00 **1. Project management**  
**David Sorton**, General Manager, XRL Civil  
Construction, MTR Corporation, Hong Kong

**Jaray Roongthanee**, Chief Engineer, Special  
Project and Construction Department, and Project  
Director of Red Line Project, State Railway of  
Thailand

**2. Safety excavation**  
**C.C. Chang**, President, Taoyuan Rapid Transit  
Corporation, Taiwan

**3. Tunnel maintenance**  
**Teh Hee Seang**, Chairman, T.Y.Lin International  
Pte. Ltd., Singapore

**Terry Hulme**, Advisor, T.Y.Lin International Pte.  
Ltd., Singapore

18:00 Chairperson's closing remarks and end of conference day 1



## “HOW FAST WILL TRAINS RUN IN THE FUTURE? IN GIGABITS/S PLEASE.”

### DYNAMIC COMMUNICATIONS FOR DYNAMIC SERVICES

Fast travel is a good start, but without high speed communications, we are only halfway there. Passengers today expect always-on anywhere multimedia services. With dynamic communication solutions from Alcatel-Lucent, a single smart network enables a connected travel experience while managing operational excellence and

safety. With solutions running effectively in more than 80 mission-critical railway networks, Alcatel-Lucent provides deep expertise in building, integrating and managing networks - to optimise operational efficiency and ensure safety and security for an enhanced customer experience. To learn more about how Alcatel-Lucent can help you provide your customers with an on-time, safe and connected journey, please visit us at [www.alcatel-lucent.com/tracktalk](http://www.alcatel-lucent.com/tracktalk)

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AT THE SPEED OF IDEAS™

## Day Two

Asia Pacific Rail 2012 - Thursday 15 March 2012

- 08:00 Registration
- 08:45 Organiser's welcome remarks
- 08:50 Chairperson's opening remarks

- 09:00 **Keynote Address: Evaluating and implementing signalling systems in a greenfield and brownfield environment**



**T.C. Chew**  
Projects Director  
MTR Corporation, Hong Kong

### TRACK 1: METROS

OR

### TRACK 2: MAINLINE

#### SIGNALLING

- 09:40 **Keynote Address: Upgrading SMRT's signalling system to meet future capacity requirements and maximise passenger safety**



**Khoo Hean Siang**  
Executive Vice President, Trains  
SMRT Trains Ltd, Singapore

- 10:00 Morning refreshments and exhibition viewing

- 10:30 **Keynote Signalling Forum: Modernising signalling and communications systems to improve operational safety, quality and efficiency**

**Joffrey Lauthier**, Head of Sales, Asia Pacific, Rail Control Solutions Division, **Bombardier Transportation**

**Yog Raj Bhardwaj**, Additional Vice President and Head - Signalling, **Delhi Airport Metro Express Pvt. Ltd., India**

**Stephane Feray Beaumont**, Managing Director, Delta Team, **GE Transportation - Intelligent Control Systems**

#### Interviewers:

**Sim Wee Meng**, Group Director, Rail (Circle and Downtown Lines), **Land Transport Authority, Singapore**

**Karl Dodsworth**, Project Manager, Signalling, **MTR Corporation, Hong Kong**

#### METRO AND PASSENGER SAFETY

- 11:30 **Safety Forum: Improving public transit security: How can metro operators implement a sound crisis management strategy?**

**Nelson Ng**, General Manager, Safety and Quality, **MTR Corporation, Hong Kong**

- 12:30 Networking lunch and exhibition viewing

#### OPERATIONS AND MAINTENANCE

- 13:30 **Afternoon Keynote Address: Driving efficiency in metro operations: Maintaining optimal availability, reliability and performance of assets**



**Jacob Kam**  
Operations Director  
MTR Corporation, Hong Kong

- 14:00 **Wireless technologies to improve operations, safety, security and drive revenue**

**Alvin Lim**, Business Development Manager, Transportation Vertical Market, **Motorola Solutions Asia Pacific**

#### DEVELOPING ASIA'S RAIL NETWORK

- 09:50 Chairperson's opening remarks

- 10:00 **Keynote Address: South Korea's rail network by 2020**



**Samjin Lim**  
Executive Vice Chairman  
The Korea Railway Association

- 10:30 **Implementing a scalable approach to train protection**



**Marco Palombi**  
Product Manager  
GE Transportation, Italy

- 11:00 Morning refreshments and exhibition viewing

#### SOUTH ASIA AND INDOCHINA

- 12:00 **Maximising coal transport capacity through private railways in Sumatra**



**Julison Arifin**  
Railway Advisory  
PT Bukit Asam Transpacific Railway, Indonesia

- 12:30 **Accelerating the rehabilitation and development of Cambodia's railways**



**Sokhom Pheakavanmony**  
Secretary of State  
Ministry of Public Works and Transport, Kingdom of Cambodia

- 13:00 Networking lunch and exhibition viewing

- 14:00 **Optimising railway connectivity through building, upgrading and expanding beyond Malaysia**



**Hilmi Hassan**  
General Manager, Finance  
Keretapi Tanah Melayu Berhad, Malaysia

8:45 AM  
SHOPPING CENTER, HELSINKI

## Let's help make Anne's commute greener

Commuters can't choose how environmentally friendly the things they use in public spaces are. But the people who build equipment such as escalators can. KONE does its best to reduce the carbon footprint of its products and services to make People Flow more eco-efficient. Now with KONE Eco-Packs new and modernized escalators can save even more energy. Savings reach up to 22% (kWh/year) and even more when fitted with additional environmentally friendly special options.

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\*) The examples for energy savings are based on a typical commercial escalator installation moving upward. Vertical rise: 4.5 m. Step width: 1000 mm. Speed: 0.5 m/s. Operating time: 14 h / day, 6 days / week, 52 weeks / year. Load profile: 2.5 h – 0%, 10 h – 25%, 1 h – 50%, 0.5 h – 75%, 0 h – 100%. Emission coefficient equal to 391 g CO<sub>2</sub> / kWh based on the Italy electrical energy mix.

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KONE ECO-PACK 1  
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KONE ECO-PACK 2  
**22.2%**  
reduction in  
kWh/year and  
kg CO<sub>2</sub>/year

**TRACK 1: METROS**

OR

**TRACK 2: MAINLINE**

14:20

**O&M Forum: Maximising operational efficiency – How can operators detect and eliminate inefficiencies in operations?**

**Witoon Hatairatana**, Operations Director, **Bangkok Metro Public Company Limited, Thailand**  
**Boon Cher Har**, Managing Director, **KONE, Hong Kong**  
**Jacob Kam**, Operations Director, **MTR Corporation, Hong Kong**  
**Alex Chang**, Chief Operating Officer, Railway Operations, **Taiwan High Speed Rail Corporation**

15:20

Afternoon refreshments and exhibition viewing

**INNOVATIONS IN TICKETING SYSTEMS**

15:50

**Developing KORAIL's self-ticketing system to drive ridership and revenues**



**Seung-Pyo Hong**  
Passenger Marketing Department Director  
**KORAIL**

16:10

**Ticketing Forum: Maximising ROI on fare collection systems – What are the issues and needs of the transport authority and operator?**

**Paradon Nitaya**, Lead Manager, Operations Revenue Strategies / ARC, **MTR Corporation, Hong Kong**

**RAIL REVENUE AND CUSTOMER MANAGEMENT**

17:10

**Creating a customer-centric rail operation to drive passenger loyalty and metro revenues: Metro Rio case study**



**Joubert Fortes Flores Filho**  
Institutional Relations Director  
**Metro Rio, Brazil**

17:30

**Rail Revenue Forum: Effective revenue management strategies to improve the financial viability of the metro**

**R.M. Krishnan**, Joint General Manager, Marketing, **Delhi Metro Rail Corporation, India**

**Joubert Fortes Flores Filho**, Institutional Relations Director, **Metro Rio, Brazil**

**Interviewer:**  
**Alok Jain**, Regional Director (India), **MVA Asia Ltd., India**

18:00

Chairperson's closing remarks and close of the Asia Pacific Rail conference

14:30

**Emerging strategies of State Railway of Thailand: Directions under the new Thai government**



**Ek Sittivaekin**  
Chief, Policy Planning Research and Development Bureau  
**State Railway of Thailand**

15:00

**Implementing Vietnam's Transport Vision 2020 to improve railway safety and efficiency**



**Han Nhu Quynh**  
Director, International Relations Department  
**Vietnam Railways**

15:30

**Partnering with private sector to expand railway infrastructure in Pakistan**



**Shahid Ahmed**  
General Manager, Manufacturing and Services  
**Pakistan Railways**

16:00

Afternoon refreshments and exhibition viewing

16:30

**Closing Forum: Building and expanding a profitable national railway network**

**Hilmi Hassan**, General Manager, Finance, **Keretapi Tanah Melayu Berhad, Malaysia**

**Shahid Ahmed**, General Manager, Manufacturing and Services, **Pakistan Railways**

**Ek Sittivaekin**, Chief, Policy Planning Research and Development Bureau, **State Railway of Thailand**

**Han Nhu Quynh**, Director, International Relations Department, **Vietnam Railways**

17:30

Chairperson's closing remarks and end of Mainline Day

**PRE conference workshop**

Date: Tuesday 13 March 2012, 2:00 – 6:30pm

**Tender opportunities for Namma Metro's expansion**

Go to [www.terrapi.com/asiarail](http://www.terrapi.com/asiarail) for more details

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## Summit

Smart Rail World Asia - Tuesday 13 March 2012

8:00 Registration

8:45 Organiser's welcome remarks

8:50 Chairperson's opening remarks

### ASSET OPTIMISATION

9:00 **Keynote Address: Utilising information technology to optimise resource management, operational and cost efficiency**



**David Leung**  
Chief of Operations Engineering  
MTR Corporation, Hong Kong

9:30 **Keynote CIO Forum: Evaluating IT systems to optimise asset management and boost capacity, safety and operational efficiency**

**Anil Kumar**, Head of Engineering and Railway Systems,  
L&T Metro Rail Hyderabad Limited, India

**Richard Keefe**, General Manager, Infrastructure, MTR Corporation, Hong Kong

**C.C. Chang**, President, Taoyuan Rapid Transit Corporation, Taiwan

10:30 Morning refreshments and exhibition viewing

### OPERATIONAL EFFICIENCY

11:00 **Improving maintenance efficiency and asset reliability with IT solutions**



**Richard Keefe**  
General Manager, Infrastructure  
MTR Corporation, Hong Kong

11:30 **Creating efficiencies in operations: Establishing a single platform to integrate rail operations and management**



**Hemant Garg**  
Head - IT  
Mumbai Metro One Pvt. Ltd., India

12:00 **Developing IT systems to improve Seoul Metro Rapid Transit's O&M management**



**Jong-Hun Park**  
Director of General Engineering  
Seoul Metropolitan Rapid Transit Corporation, Korea

12:30 Networking lunch and exhibition viewing

### DRIVING ENERGY EFFICIENCY THROUGH GREEN TECHNOLOGIES

14:00 **Case Study: Deploying energy efficient systems to reduce energy consumption and operational costs**



**Ronald Cheng**  
General Manager, Technical and Engineering Services  
MTR Corporation, Hong Kong

14:30 **Case Study: Maximising energy efficiency and reducing your carbon footprint with the latest escalator technology**



**Johannes de Jong**  
Director, Technology  
KONE Corporation

15:00 Afternoon refreshments and exhibition viewing

15:30 **Energy Efficiency Forum: Building intelligent, environmentally friendly railways: How can you make metros more sustainable?**

**Anil Kumar**, Head of Engineering and Railway Systems,  
L&T Metro Rail Hyderabad Limited, India

**Ronald Cheng**, General Manager, Technical and Engineering Services, MTR Corporation, Hong Kong

16:30 Chairperson's closing remarks and end of Smart Rail World Asia

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Countless networking activities so you can set up key meetings with industry leaders

Attend our delightful cocktail function and meet with other operators at our breakfast reception



## Networking Activities

### Operators' Breakfast Reception

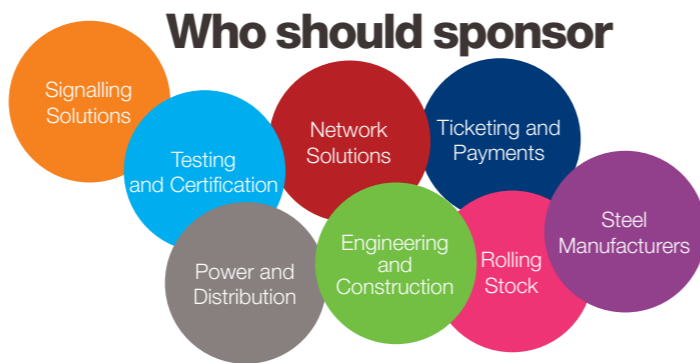
Date: 14 March 2012, 7:30 – 8:30 AM

To RSVP, please contact Sophia Ku at +65 6322 2720 or sophia.ku@terrapinn.com.

### Networking Cocktail Reception

Date: 14 March 2012, 6:00 – 7:00 PM

## Partners



## Why sponsor?

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To establish credibility for your product or service

To create awareness, raise your profile and get your brand, product or service in front of mind with key decision makers

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Alcatel-Lucent helps its mainline and metro rail customers make every journey on-time, safe and connected. We do this by providing trusted communications expertise that enables complex applications such as signaling, radio, CCTV and passenger information systems. Our integration teams work side by side with civil engineering firms, signaling companies and operators delivering state of the art, reliable communications systems in the most challenging environments, including tunnels. Rail operators around the world depend on Alcatel-Lucent communications solutions to help them optimize operations, guarantee safety and security and enhance passenger experience.

Platinum sponsor



KONE is one of the global leaders in the elevator and escalator industry. The company has been committed to understanding the needs of its customers for the past century, providing industry-leading elevators, escalators and automatic building doors as well as innovative solutions for modernization and maintenance. The company's objective is to offer the best people flow experience by developing and delivering solutions that enable people to move smoothly, safely, comfortably and without waiting in an increasingly urbanizing environment. In 2010, KONE had annual net sales of EUR 5 billion and approximately 33,800 employees. KONE class B shares are listed on the NASDAQ OMX Helsinki Ltd in Finland.

Gold and Lanyard sponsor

## BOMBARDIER

A world-leading manufacturer of innovative transportation solutions, from commercial aircraft and business jets to rail transportation equipment, systems and services, Bombardier Inc. is a global corporation headquartered in Canada. Its revenues for the fiscal year ended January 31, 2011, were \$17.7 billion, and its shares are traded on the Toronto Stock Exchange (BBD).

Bombardier Transportation, a global leader in rail technology, offers the broadest portfolio in the rail industry and delivers innovative products and services that set new standards in sustainable mobility. BOMBARDIER ECO4 technologies – built on the four cornerstones of energy, efficiency, economy and ecology – conserve energy, protect the environment and help to improve total train performance. Bombardier Transportation is headquartered in Berlin, Germany and has a presence in over 60 countries. It has an installed base of over 100,000 vehicles worldwide.

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Motorola Solutions is a leading provider of mission-critical communication solutions and services for enterprise and government customers. Through leading-edge innovation and communications technology, it is a global leader that enables its customers to be their best in the moments that matter. Motorola Solutions trades on the New York Stock Exchange under the ticker "MSI." To learn more, visit www.motorolasolutions.com.

Session sponsor



Established more than 100 years ago, GE Transportation, a unit of General Electric Company (NYSE: GE), is a global technology leader and supplier to the railroad, marine, drilling, mining and wind industries. GE provides freight and passenger locomotives, railway signalling and communications systems, information technology solutions, marine engines, motorized drive systems for mining trucks and drills, high-quality replacement parts and value added services. GE Transportation is headquartered in Erie, Pennsylvania, USA, and employs approximately 9,000 employees worldwide.

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