

5th Annual MODERN RAILWAYS



a **marcusevans** event

Bali, Indonesia

3rd – 5th August 2015

The Introduction of so **POWERFUL** an agent as **steam** to a carriage on wheels will make a **great change** in the **situation of man**

Thomas Jefferson

Capitalising on rail infrastructure development to fulfil the demand for sustainable mobility and drive economic growth



Featuring Presentations and Case Studies from Key Regional and International Rail Operators:

Azmi Abdul Aziz Group Managing Director

Prasarana Malaysia

One of the largest public transport companies in Malaysia and is the asset owner and operator of the country's two LRT networks and the KL Monorail

Tony Matthews General Manager, Piccadilly Line

Transport for London, UK

Considered the oldest rapid transit system, incorporating the world's first underground railway, it now serves 270 stations, 402 km of track and has carried more than 1.3 billion passengers

Rommel Gavieta Vice President

Metro Rail Transit Corporation, Philippines

Serves close to 600,000 passengers on a daily basis, MRT-3 is the busiest among Metro Manila's three rapid transit lines

Somprasong Suttayamully Acting Director, Land Development and Management Department

Mass Rapid Transit Authority, Thailand

Oversees the operations of rapid transit systems in the Bangkok Metropolitan Region

Dr. Julison Arifin Railway Advisor to Board of Directors

PT Bukitasam Transpacific Railways, Indonesia

The 307 km coal railway in southern Sumatra with an initial capacity of moving 25 million tonnes per annum

Abhay Mishra CEO

Mumbai Metro One, India

Line 1 has transported more than 19 million passengers with an average daily ridership of 300,000-500,000

Patrick Nathan VP of Communications and Information

SMRT, Singapore

Led the team that won Best Public Sector Campaign for the communications around the Sleeper Replacement programme at the Institute of Public Relations Singapore's PRISM Awards 2015

Silvester Prakasam Director of Fare Systems

Land Transport Authority (LTA), Singapore

Best Global M-Government Service Award 2014

Responsible for the development of the rapid transit system and the expansion of the rail network in Singapore. It aims to double the rail network by 2030

A K Dutta Advisor

Railtel Corporation of India Ltd (RCIL)

A subsidiary company under the Ministry of Railways, India awarded Best Carrier & Innovative Managed Services 2014

Emmanuel Vivant Managing Director

Hong Kong Tramways

Carries 200,000 passengers daily between the east and west of Hong Kong Island and is the world's largest fleet of double-deck trams still in service

Senior Representative

PT MRT Jakarta, Indonesia

The line is expected to stretch across over 108 kilometres. Construction of Phase 1 began in 2013 and is expected to be completed in 2017 to serve 212,000 passengers per day

Punit Agrawal Deputy Chief Project Manager

Dedicated Freight Corridor Corporation of India (DFCCIL)

This program is expected to double the carrying capacity along the 3322km corridor and allow India to create one of the largest freight operations in the world

Noormah Md. Noor CEO

Express Rail Link, Malaysia,

Best Operator Award - Intercity and Urban Rail- Land Public Transport Symposium 2014

Air Rail Link of the Year - Global Air Rail Awards 2014

Dr. Uli Dobler Vice President

Taiwan High Speed Rail Corporation

With a construction value of US\$ 18 billion, this project was undoubtedly the largest privately managed and funded BOT Project in the world at the time

Haji Khairani Mohamed CEO

Rapid Rail, Malaysia

Operates 60 stations along the Ampang Line, Kelana Jaya Line and Monorail Line under brand name of Rapid KL

Andrew Jakob Manager, Project Integration - West Pilbara Infrastructure Project

Aurizon, Australia

A 280 km railway to support at least 40 million tonnes per annum throughput from eight mining areas

Featuring Governments, Regulatory Authorities and International Expert Presentations:

Hermanto Dwiatmoko Director General of Railways

Ministry of Transportation, Indonesia

Responsible for the governance and regulation of transport in Indonesia

Dr. Pichet Kunadhamrak Chief of Intercity Transport Development

Ministry of Transport, Thailand

Oversees all matters related to transportation within Thailand with half of the Government's Bt1.94-trillion 10-year transport-development plan focused on the rail system

Jatin Sarkar General Manager

RITES Limited, India

Recipient of the 'National Award' for outstanding performance in rail operations and headed the 'Total Transport System Study', a landmark national level exercise undertaken by Planning Commission towards the formulation of an integrated transport policy for India

Senior Representative

21 Net, Belgium

The world leading provider of satellite delivered broadband internet and multimedia services to trains

Bastary Panji Indra Director of Public Private Partnership Development

National Development Planning Agency (BAPPENAS), Indonesia

A central Government institution which is responsible for formulating national development planning and budgeting and has the responsibility to coordinate international development cooperation. Produced the 'PPP Book' which consists of a list of prospective PPP projects in Indonesia.

Darwin Trisna Djajawinata Director

PT Sarana Multi Infrastruktur, Indonesia

Facilitates infrastructure financing as well as preparing project and serving advisory for infrastructure projects. As a catalyst of Indonesia infrastructure development, they have committed to finance Rp5.57 trillion basic infrastructure projects

Senior Representative

WorldBank, Singapore

A UN international financial institution that provides loans to developing countries for capital programs. Spent US\$24.2 billion financing critical infrastructure projects in 2014

Vinod Bhatia Director, Planning

Ministry of Railways, India

Announced 77 projects covering 9,400 km of doubling/tripling/quadrupling works along with their electrification at a total cost of Rs 96,182 crore

Mohd Azharuddin Mat Sah Director - Urban Public Transport

Performance Management Delivery Unit (PEMANDU) - Prime Minister's Department, Malaysia

Oversees the implementation, assess the progress, facilitate as well as support the delivery and drive the progress of the Government Transformation Programme (GTP) and the Economic Transformation Programme (ETP).

TC Chew Former Project Director

MTR, HK

Council member of Hong Kong Construction Industry Council and chair the Procurement and Sub-Contracting Committee

Senior Representative

Kirow Ardel, Germany

The world market leader for railway cranes and slag pot carriers

Senior Representative

CSR Zuzhou Electric Locomotive Co., China

One of the major electric locomotive manufacturers in China

Featuring Global Case Studies & Innovative Projects from:

- SMRT, Singapore
- LTA, Singapore
- Bukitasam Transpacific Railways, Indonesia
- Transport for London, UK
- Mumbai Metro One, India

- Prasarana, Malaysia
- Metro Rail Transit, Philippines
- DFCCIL, India
- Express Rail Link, Malaysia
- RapidRail, Malaysia

- Jakarta MRT, Indonesia
- Mass Rapid Transit Authority, Thailand
- Hong Kong Tramways
- Taiwan High Speed Rail
- West Pilbara Infrastructure Project, Australia

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Monday 3rd August 2015**Booking Line:**

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| 0830 | Registration and Morning Coffee |
| 0900 | Opening and Welcome Remarks from the Chairperson TC Chew Former Project Director MTR, HK |
| 0910 | Plenary One: Reshaping the Future of Indonesia by Transforming the City's Rail Transportation Network Hermanto Dwiatmoko Director General of Railways Ministry of Transportation, Indonesia |
| 0950 | Plenary Two: Delving into Indonesian Railway Development Policies and Plans for the Next Five Years Bastary Panji Indra Director of Public Private Partnership Development National Development Planning Agency (BAPPENAS), Indonesia |
| 1030 | Morning Refreshments |
| 1100 | Plenary Three: Implementing Rail Extension Projects in the Most Developed and Highly Populated Areas to Encourage Greater Usage of Public Transport Azmi Abdul Aziz Group Managing Director Prasarana Malaysia |
| 1140 | Plenary Four: Modernising Metros with the Latest CSR Products Senior Representative CSR Zuzhou Electric Locomotive Co., China |
| 1220 | Plenary Five: Implementing Global Safety and Security Standards for a Secure and Reliable Rail Network <i>Speaker to be Advised</i> |
| 1300 | Networking Lunch |

STREAM ONE: PROJECT PLANNING, ECONOMICS & FINANCING

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| 1400 | Chairperson's Opening Remarks |
| 1410 | Capitalising on Public Private Partnerships in Rail Projects to Optimise Cost Structure and Encourage Private Sector Involvement <ul style="list-style-type: none"> Mobilising funds for financing rail projects through PPPs Reaping the benefits of BOT models: Justifying costs, project delivery time and proof of performance Improving cost viability through better planning methodology and tools Vinod Bhatia Director, Planning Ministry of Railways, India |
| 1450 | Implementing a Comprehensive Policy Framework for the Rapidly Expanding Rail Networks in High Density Cities <ul style="list-style-type: none"> Formulating strategies to enhance rail infrastructure development Facilitating the efficient uptake of policy frameworks Utilising strategies that enhance private sector participation Emmanuel Vivant Managing Director Hong Kong Tramways |
| 1530 | Afternoon Refreshments |
| 1600 | Developing an Effective Land Acquisition Strategy to Address the Challenges and Ensure Timely Project Completion <ul style="list-style-type: none"> Overcoming the challenges in acquiring land for MRT construction Increasing the availability of prime land through redevelopment and rehabilitation Entering into JVs with developers and owners using the land as an equity component Somprasong Suttayamully Acting Director, Land Development and Management Department Mass Rapid Transit Authority, Thailand |
| 1640 | Spearheading Transport Policy Reforms to Accelerate the Provision of Rail Infrastructure <ul style="list-style-type: none"> Integrating transport policy development to improve the provision of urban rail services Curbing the growing cost related to traffic congestion whilst reducing economic and social costs Minimising the rising costs of unstructured urban expansion and rail network development Mohd Azharuddin Mat Sah Director – Urban Public Transport Performance Management Delivery Unit (PEMANDU) - Prime Minister's Department, Malaysia |
| 1720 | Chairperson's Closing Remarks |
| 1730 | End of Day One |

STREAM TWO: DESIGN, ENGINEERING & CONSTRUCTION

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| 1400 | Chairperson's Opening Remarks |
| 1410 | Building Light Rail Projects Involving Elevated Structures and Special Structures over Major Highways and Environmentally Sensitive Areas <ul style="list-style-type: none"> Ensuring on time delivery of viaducts, elevated stations and depot Developing partnerships with all stakeholders while maintaining costs Emphasising technical excellence and innovation to deliver projects on schedule Haji Khairani Mohamed CEO Rapid Rail, Malaysia |
| 1450 | Developing a Modern Railway Network using State of the Art Infrastructure <ul style="list-style-type: none"> Constructing rail projects in urban settings using expert coordination and proven construction methods Recognising the need to meet important milestones and tight schedules to keep the project on schedule Promoting on-going technological development to ensure safe and cost effective rail construction Jatin Sarkar General Manager RITES Limited, India |
| 1530 | Afternoon Refreshments |
| 1600 | Using Variable Density Tunnel Boring Machines to Construct and Deliver Rail Tunnels in High Density Cities <ul style="list-style-type: none"> Developing cost effective technologies to minimise construction constraints for large-scale renovation and upgradation works Catalysing information gathered from extensive ground investigations and pre-tunnelling soil treatment Minimising the risk of sinkholes or blowouts from occurring during the construction process <i>Speaker to be Advised</i> |
| 1640 | Devising Project Management Strategies For Effective Implementation of Expansion Plans of Major Rail Projects <ul style="list-style-type: none"> Maximising economic benefits without compromising on safety and sustainability Minimising unforeseen delays and risks for planned projects through effective project management Aligning project stakeholders to the baseline schedule delivery strategy in a collaborative manner <i>Speaker to be Advised</i> |
| 1720 | Chairperson's Closing Remarks |
| 1730 | End of Day One |

STREAM THREE: RAIL OPERATIONS- SIGNALLING & INNOVATIVE TECHNOLOGIES

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|------|---|
| 1400 | Chairperson's Opening Remarks |
| 1410 | Implementing Smart-Card Ticketing and Access Control Technologies to Speed Up Passenger Flow, Drive Ridership and Increase Revenue <ul style="list-style-type: none"> Exploring technological developments needed to facilitate system adjustment and long-term practicality Devising ticketing and marketing strategies to serve citizens and tourists alike Disbursing subsidies for low income groups to address diverse social needs Silvester Prakasam Director of Fare Systems Land Transport Authority (LTA), Singapore |
| 1450 | Gauging the Role of Advanced Communication Technologies to Build a Secure, Reliable and Efficient Railway System <ul style="list-style-type: none"> Eliminating the possibility of a crash by leveraging on the no level crossings mechanism Utilising the Automatic Train Control (ATC) system to prevent collisions Creating reliable rail operations through advanced railway ICT solutions Rommel Gavieta Vice President Metro Rail Transit Corporation, Philippines |
| 1530 | Afternoon Refreshments |
| 1600 | Analysing the Challenges and Optimising Opportunities of Offering Internet and Multimedia on Trains <ul style="list-style-type: none"> Leveraging on 21Net's position on offering Internet and Multimedia on trains Addressing the inherent challenges for TOCs: high demand vs controlling of operation costs Sharing the experience through 21Net projects for increased benefits for users and TOCs Senior Representative 21 Net, Belgium |
| 1640 | Ensuring Interoperability between Old and New Lines: Addressing the Challenges in Resignalling Obsolete Legacy Systems <ul style="list-style-type: none"> Enriching transportation services through practical technological applications Developing cost effective safety system within your operations to mitigate unwanted incidents Enhancing your operational efficiency by addressing implementation issues <i>Speaker to be Advised</i> |
| 1720 | Chairperson's Closing Remarks |
| 1730 | End of Day One |

- 0830 Registration and Morning Coffee
- 0910 Opening and Welcome Remarks from the Chairperson
TC Chew Former Project Director
MTR, HK
- 0920 **Plenary One: Transforming your City's Public Transportation System using Cutting Edge Rail Transit Systems for a New Urban Landscape**
Senior Representative
PT MRT Jakarta, Indonesia
- 1000 **Plenary Two: Communicating Right to Ensure Smooth Planning and Execution of Major Projects**
Patrick Nathan VP of Communications and Information
SMRT, Singapore
- 1040 Morning Refreshments
- 1110 **Plenary Three: Determining Factors that Lead to the Financial Sustainability and Profitability of Railway Lines**
Senior Representative
WorldBank, Singapore

1150 **Cross Country Panel:
Responding to the Demand for Interoperable Rail Systems through Synergies in Regional Standards for Cross Border Connectivity**

Moderator:

TC Chew Former Project Director
MTR, HK

1230 Networking Lunch

STREAM ONE: PROJECT PLANNING, ECONOMICS & FINANCING

- 1330 Chairperson's Opening Remarks
- 1340 **Exploring Viable Financing Options for Rail Expansion and New Projects to Meet the Demands for World Class Rail Infrastructure**
- Developing a financial plan to increase the vitality of infrastructure projects
 - Implementing financial management strategies to engage in long-term planning
 - Strengthening the financial framework to increase the provision of infrastructure
- Darwin Trisna Djajawinata** Director
PT Sarana Multi Infrastruktur, Indonesia
- 1420 **Planning Transportation Infrastructure Development in Thailand to Enhance Mobility, Interconnectivity and Reduce Costs**
- Achieving optimal alignments using key considerations to ensure effective project execution
 - Establishing a rail network that maximises the effectiveness of new and existing infrastructure
 - Addressing the key challenges in planning metro alignments and tunneling constructions for MRT projects
- Dr. Pichet Kunadhamrak** Chief of Intercity Transport Development
Ministry of Transport, Thailand
- 1500 Afternoon Refreshments
- 1530 **Conducting Feasibility Studies, Planning and Due Diligence for Mega Rail Projects to Determine Project Viability**
- Achieving optimal alignments: What are the key considerations to ensure effective project execution?
 - Exploring joint ventures with developers and owners using land as an equity component
 - Taking into account construction standards pertaining to quality and environmental considerations
- TC Chew** Former Project Director
MTR, HK
- 1610 **Developing a Profitable Rail Business through Creative Non-Fare Activities for Improved Financial Viability**
- Strategising effective revenue management to improve the financial viability of metros
 - Redefining station development strategies and identifying opportunities in funding projects and driving revenue
 - Moving up the rail value chain: Profiting from property rental and development businesses
- Speaker to be Advised*
- 1650 Chairperson's Closing Remarks
- 1700 End of Day Two

STREAM TWO: DESIGN, ENGINEERING & CONSTRUCTION

- 1330 Chairperson's Opening Remarks
- 1340 **Upgrading Stations to Transform People's Journeys by Providing Accessible, Spacious and Pleasant Facilities**
- Delivering better stations as part of an integrated network to make a positive economic, social and environmental impact
 - Maintaining and improving existing rail stations to facilitate accessibility
 - Planning better stations to anticipate the changing and dynamic needs of passengers
- Abhay Mishra** CEO
Mumbai Metro One, India
- 1420 **Drawing on Railway Crane Technologies to Build World Class Rail Networks By Increasing Efficiency and Safety**
- Utilising multitaskers for switch construction, track and bridge construction and accident recovery
 - Using a tracklayer as an all-rounder for lifting, transporting and installing long, heavy switch and track parts with complete flexibility
 - Leveraging on the 'Switch Tilter' for modular point renewals at a high rate
- Senior Representative
Kirow Ardelit, Germany
- 1500 Afternoon Refreshments
- 1530 **Integrating Rail and Commercial Developments through Transit Oriented Developments (TODs)**
- Benefitting from TODs to enhance mobility
 - Building rail infrastructure for greater connectivity and leverage on all transport networks
 - Designing to emphasise optimal performance and accessibility
- Speaker to be Advised*
- 1610 **Designing Underground Stations to Increase Mobility and Alleviate Congestion in Major Metropolitan Areas**
- Planning to improve connectivity between different modes of transport
 - Building mega transport interchanges in high density urban areas
 - Establishing a transport network that maximises the effectiveness of new and existing infrastructure
- Speaker to be Advised*
- 1650 Chairperson's Closing Remarks
- 1700 End of Day Two

STREAM THREE: RAIL OPERATIONS - ROLLING STOCK & ASSET MANAGEMENT

- 1330 Chairperson's Opening Remarks
Tony Matthews General Manager, Piccadilly Line
Transport for London, UK
- 1340 **Maintaining Rolling Stock Beyond its Projected Life Expectancy to Cater to the Growing Demand**
- Adopting a coordinated and systematic approach to maximise the value, performance and ROI
 - Ensuring effective governance in rail operations to balance quality, service and profitability
 - Adopting emerging technologies to avoid common rail disasters
- Tony Matthews** General Manager, Piccadilly Line
Transport for London, UK
- 1420 **Enhancing Railworthiness through Effective Asset Management to Optimise Reliability and Performance of Rail Assets**
- Using asset lifecycle information management for the creation of a world class railway
 - Managing your information across its lifecycle for optimal return on assets
 - Increasing efficiency at all levels of operations to reduce your overall maintenance cost
- Speaker to be Advised*
- 1500 Afternoon Refreshments
- 1530 **Utilising a Low Cost Solution for Train Control for Effective Speed Restriction: A DFC Innovation Pilot Project**
- Creating a safer metro using innovative technologies
 - Drawing on electrification and power traction distribution systems for greener mobility
 - Ensuring high levels of reliability, power quality and safety for greater passenger experience
- A. K. Dutta** Advisor
Railtel Corporation of India Ltd (RCIL)
- 1610 **Devising Best Practices for Track Condition Monitoring to Significantly Improve the Performance and Availability of Railway Assets**
- Increasing the performance of the maintenance process through effective monitoring
 - Developing a cost-effective rail track condition monitoring programme
 - Improving maintenance and repair work time to increase track availability
- Speaker to be Advised*
- 1650 Chairperson's Closing Remarks
- 1700 End of Day Two

Wednesday 5th August 2015

0830 Registration and Morning Coffee

0900 Opening and Welcome Remarks from the Chairperson

Andrew Jakob Manager Project Integration – West Pilbara Infrastructure Project
Aurizon, Australia

0915 **Plenary One: Implementing Upgrades in High Speed Train Services for Marked Improvement in Safety, Performance and Capacity**

- Recognising the critical role of rolling stocks in meeting high-speed mobility needs
- Ensuring high safety standards from innovative rolling-stock designs and technologies
- Reducing the aerodynamic drag to lower the energy consumption of high speed trains

Noormah Md. Noor CEO
Express Rail Link, Malaysia

1000 **Plenary Two: Exploring the Crucial Requisites for Pre-Operational Setup of Private Railways**

- Meeting the demand for freight services on a private rail network
- Balancing the escalating demands whilst strengthening the building capacity
- Appraising the development of railway infrastructure roles to spur economic growth

Dr. Julison Arifin Railway Advisor to Board of Directors
PT Bukitasam Transpacific Railways, Indonesia

1045 Morning Refreshments

1115 **Plenary Three: Revolutionising the Commodities Transport and Logistics Value Chain using Integrated Solutions for a Reliable Freight Transport Network**

- Encouraging private sector participation to optimise the freight rail development
- Addressing the development and funding challenges of the freight rail corridors
- Realising significant returns from the new and upcoming freight line projects

Speaker to be Advised

1200 **Plenary Four: Comparing an Integrated Bulk Supply Chain Design to a Brownfield Multi-Ownership Model: Key Learnings for Rail Asset Planners and Operations Designers**

- What lessons can be applied from Aurizon's experience in servicing multi-user terminals across contested networks with complex nodal asset ownership structures?
- Is there a path to greater integration in brownfields operations where asset ownership remains disaggregated?
- Can effective supply chain leadership be exercised in supply chains where the asset owners are also competitors?

Andrew Jakob Manager Project Integration – West Pilbara Infrastructure Project
Aurizon, Australia

1245 Networking Lunch

1345 **Plenary Five: Establishing Round-The-Clock Maintenance for Heavy-Haul Networks to Ensure Train Availability and Safety**

- Combining reliability and efficiency to deliver unparalleled train services and outstanding environmental performance
- Examining the major issues faced in maintaining and rehabilitating the current rail infrastructure
- Staying on top of cutting-edge technologies for faster, safer, cheaper and greener infrastructure in the long term

Punit Agrawal Deputy Chief Project Manager
Dedicated Freight Corridor Corporation of India (DFCCIL)

1430 **Plenary Six: Enhancing Cross Border Connectivity and Responding to the Demand for Interoperable High Speed Rail Systems through Synergies in Regional Standards**

- Balancing costs, benefits and technical requirements to achieve economies of scale (EOS)
- Modernising existing track and train systems to accommodate growing services on shared rail networks
- Weighing the pros and cons of developing intermodal facilities and infrastructure for high speed rail

Dr. Uli Dobler Vice President
Taiwan High Speed Rail Corporation

1515 Afternoon Refreshments

1545  Rail Leaders Round Table:

Roundtable One
Discussing the Main Challenges and Obstacles when Developing World-Class Rail Infrastructure

Moderator:
Jatin Sarkar General Manager
BITES Limited, India

Roundtable Two
Making Rail Infrastructure Projects Bankable: Examining the Profitability and Long Term Sustainability of Rail Networks

Moderator to be Advised

1630  Wrap Up Panel:

Catalysing Alliances between Governments, Rail Operators and the Private Sector to Unlock the Potential for Strategic Investments in Rail Corridors

- Capitalising on the rapidly booming and expanding railways industry to optimise the mobility experience and to spur economic growth
- Appraising railways modernisation as the foundation of your economic growth to enhance inter-regional mobility
- Investing in railways development projects as a better option to highly polluted automobiles, congested airports and other transportation modes

Moderator to be Advised

1715 End of Conference

More About the Event

Why you Cannot Miss this Event:

Attend this 5th Annual Modern Railways Conference to learn how to catalyse alliances between Governments, rail operators and the private sector, transform your city's public transportation system, respond to the demand for interoperable rail systems as well as implement rail extension projects in high density urban areas.

Address major challenges including determining factors that lead to financial stability and profitability of railway lines, building rail projects in urban settings, growing rail ridership and implementing global safety and security standards for secure and reliable rail networks. Also explore new trends and best practices in project planning, economics and financing, design, engineering and construction, rail operations, signaling, innovative technologies, rolling stock, asset management as well as major developments in freight and high speed rail networks.

This event provides the perfect platform to examine critical issues in the modern rail industry, explore how this sector can grow in the context of an economic crisis and how to deliver more with less, thereby taking advantage of the unprecedented opportunities in this sector.

Tailor-make your own programme by selecting from any of these streams:

Day 1 & Day 2:

Stream I: Project Planning, Economics and Financing

Learn how to capitalise on PPPs, implement an effective policy framework and land acquisition strategies as well as formulate rolling stock financing strategies to maximise ROI. Also explore how to optimise rail-route planning, conduct feasibility studies and develop a profitable rail business through non fare activities.

Stream II: Design, Engineering & Construction

Discover how to design multimodal transport interchanges, build LRT projects in high density cities and devise effective project management strategies for timely completion of new and major rail expansion projects. Also look at station design and planning major station redevelopment projects as part of a larger integrated network to enhance operational excellence and cost efficiency.

Stream III

Day 1 – Rail Operations: Signalling & Innovative Technologies

Day 2 – Rail Operations: Rolling Stock & Asset Management

In these streams, explore different aspects of rail operations; examine how to ensure interoperability between old and new lines when upgrading signaling and telecommunication systems as well as incorporating innovative technologies. Learn how to draw up a business case for digital signaling improvements, match affordability and smart technologies in the selection of ticketing systems to speed up passenger flow, drive ridership and increase revenue.

Also address the challenges and delve into best practices in rolling stock maintenance, track condition monitoring, and enhance rail efficiency using state of the art traction technologies to optimise the reliability and improve the performance of railway assets.

Day 3 – Mainline Day

Mainline Day will highlight and explore major advancements and challenges in freight and high-speed rail, strategic investments in major projects and inter-modal networking. Examine how to make strategic investments in HSR corridors, secure financing and enhance cross border connectivity using intermodal networks. Also learn how to revolutionise the logistic value chain through reliable freight transport, establish round the clock maintenance for heavy-haul networks and meet the demand for increased passenger and freight services on a shared rail network.

Also learn how to revolutionise the logistics value chain through reliable freight transport, establish round the clock maintenance for heavy-haul networks and meet the demand for increased passenger and freight services on a shared rail network. Also, examine the inherent costs and technical requirements to achieve economies of scale on these projects in developing countries.

marcus evans would like to thank all the world-leading visionaries, solution providers, associations, operators, end-users and delegates who have contributed to and supported the **marcus evans** 5th Annual Modern Railways Large Scale Event. We would particularly like to mention our speakers for their help in the research behind the event and also our sponsors for their continued support and commitment. On behalf of **marcus evans** we hope you have a rewarding, enjoyable and productive time. We personally look forward to meeting you all and working with you at our future Large Scale Events planned in 2015. See you in August!

Who Should Attend:

This large scale conference is designed to attract all those who are involved in the development of modern railways;

Government Authorities & Ministries

Ministers, Director Generals, Secretary Generals, Heads, Officers of:

- Railways
- Rail Infrastructure (MRTs, LRTs, monorails, metros, subways, tramways, passenger commuters, freight & cargo trains, mainlines, airport rail links, high speed rail)
- Urban Transport
- Traffic Management
- Finance & Public Private Partnerships
- Urban Planning / (Re)development / Rural Development
- City Planning & Town Planning
- Projects & Investments
- Economic Planning & Development
- Construction & Public Works

Engineering & Construction Firms, Contractors & Builders

Chairman, Presidents, CEOs, MDs, VPs, Directors, GMs and Heads of:

- Planning & Development
- Urban Planning
- Engineering
- Building & Construction
- Land Surveying
- Operations
- Procurement
- Projects & Investments
- Finance
- Sustainability & Energy Efficiency
- Project Management
- Drilling, Tunnelling and Excavating
- Environment and Safety & LEED Certification
- Legal and Compliance
- Building Codes and Assessment

Architecture and Consulting Firms (Network Planning & Station Design)

- Managing Directors / Principals
- Chief Architects
- Landscape Architects
- Heads of Design
- Heads of Urban Planning
- Heads of Transportation
- Heads of Sustainability / Energy Efficiency / Green Building

Rail Operators

Chairman, Presidents, CEOs, COOs, MDs, VPs, Directors, GMs and Heads of:

- Trains / Rolling Stock
- Commuter Services
- Intercity Services
- Freight Services
- Engineering & Projects
- Communications & Services
- Signalling & Telecommunications
- Business Development & Commercial
- Rail Operations & Maintenance
- Strategy & Finance
- Engineering Directors
- Fleet Directors
- Directors Of Fleet Reliability
- Heads Of Engineering
- Heads Of Maintenance
- Heads Of Fleet
- Heads Of Department
- Heads Of Rolling Stock & Depots
- Deputy Chief Mechanical Engineers
- Maintenance Managers
- Depot Managers
- Condition Monitoring Managers
- Continuous Improvement Managers

Consultants

MDs, VPs, Heads of:

- Project Management
- Risk Management
- Signalling & Telecommunications
- Safety Engineering
- Environment
- Traffic Management

Legal Firms

Partners, Heads of Procurements and PPP Transactions

Business Development Opportunities:

Does your company have services, solutions or technologies that the conference delegates would benefit from knowing about?

If so, you can find out more about the exhibiting, networking and branding opportunities available by contacting:

Peter Morgan on +61 2 9238 7200 or email

PeterM@marcusevansau.com

Our Business Partners

Platinum Sponsor:



CSR Zhuzhou Electric Locomotive Co., Ltd. (Hereinafter "CSR ZELC") is founded in 1936, as a cadreman subsidiary of CSR Corporation Limited. CSR ZELC is located in Zhuzhou city of Hunan Province – the biggest railway junction in southern China. With total asset of more than \$2.1 billion and premise area of 3.1 km², CSR ZELC has about 10,000 employees and sets up their representative offices all over Chinese metropolis and overseas. Currently, CSR ZELC runs three main business sectors - electric locomotives, mass transit vehicles and EMUs. CSR ZELC is committed to be a rail transit system solution provider that provides turnkey package of rail transport solutions, planning and consulting, project financing, infrastructure, rolling stock, signaling system and after-sale service.

Exhibitor Sponsor:



Jiangsu Hengtong Wire & Cable Technology Co., Ltd is the leading high-tech enterprise of Hengtong Group. The group is one of the top 500 enterprises of China with 24 overseas offices. Products have been exported to more than 30 countries, 5 billion US\$ revenue.

Hengtong focus on:

- 1) Copper cables(signal/contact wire/rolling stock/data/power),
- 2) Optic communication (preform/fiber/cable/ODN/OPGW)
- 3) Material.

Associate Sponsor:



21Net was set up with the sole objective to offer high speed Internet access and multimedia services on board trains, essentially through broadband channels provided by a combination of two-way satellite, Wi-Fi and cellular connections. As such, 21Net has become the leading provider of Internet and Infotainment on board High Speed trains combining both cellular and satellite technologies. Besides providing the satellite connection for the Thalys fleet, 21Net has developed and tested full on train infotainment solutions with functionalities like Video on Demand, IPTV based on a Gigabit network on the 25 High Speed Trains of NTV. The 21Net Internet access system is based on the proposition that since users are familiar with high bandwidth Internet, only a similar type of experience could be successfully offered on board a high speed train.

Supporting Organisation:



Construction Research Institute of Malaysia (CREAM) focuses on the development of the construction industry through enhancing its productivity and competitiveness through research. CREAM mission is to serve the strategic research needs of Malaysian construction industry. CREAM is committed to working with all industry's stakeholders and researchers to explore and encourage the development of a knowledge-based industry responsive to changing demand. www.cream.com.my

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India Transport Portal is a leading independent information and analysis hub that covers critical issues such as road safety, fuel savings, carbon emissions, transportation infrastructure, sustainable transportation etc. With our team of analysts backed by a network of professional experts, our team delivers high value material to every Key Opinion Leader and Decision Maker: corporates, journalists, NGOs, academics etc.



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REGISTRATION FORM

Please write in **BLOCK CAPITALS**

Booking Line:

Arman Sohail

Tel.: +92 21 3279 9008

Fax: +92 21 3278 2477

Email: ArmanS@marcusevanspk.com

EVENT CODE: AS-TP3974

LOGIN ID:

CODE: E

PLEASE COMPLETE THIS FORM AND FAX BACK TO:

ARMAN SOHAIL

FAX NO: **+92 21 3278 2477**

REGISTRATION FEES

FEES

2 Days Conference Fee USD 2,295
3 Days Conference Fee USD 2,995

CONSULTANTS AND SOLUTION PROVIDERS FEES

2 Days Conference Fee USD 2,795
3 Days Conference Fee USD 3,595

Online Documentation USD 795

You will be provided a username and password to access the documentation online

Premier Plus Discount* Bring more delegates to this event and benefit from:

10% saving for 2 Delegates 15% saving for 3-4 Delegates 20% saving for 5+ Delegates

*(Applies to full conference event only).

A processing fee of USD 48 will be added per delegate. GST & VAT will be added if applicable per delegate.

REGISTRATION DETAILS

1.) Name _____

Position _____

E-Mail _____

2.) Name _____

Position _____

E-Mail _____

3.) Name _____

Position _____

E-Mail _____

To ensure your personal assistant also receives confirmation details please add their details below

Name _____

E-Mail _____

Organisation _____

Address _____

Town _____ **State** _____

Country _____ **Postcode** _____

Tel. _____ **Fax** _____

Nature of Business. _____

Company Size: 1-9 10-24 25-49 50-99

100-249 250-499 500-999 1000+

AUTHORISATION

Signature _____ Date _____

Name _____

Position _____

This booking is invalid without a signature.

AUTHORISATION Signatory must be authorised to sign on behalf of contracting organisation

CONFERENCE: MODERN RAILWAYS

DATES, VENUE: 3RD – 5TH AUGUST 2015, BALI, INDONESIA

PAYMENT METHOD

CREDIT CARD

Payment is required within five working days on receipt of invoice
(Credit Card payments attract a 2% surcharge)

Please charge my: MasterCard VISA AmEx Diners Club

Card Holder's Name _____ Security Code _____

Card Number _____

Expiry Date _____ Signature _____

Confirmation Details:

After receiving payment a receipt will be issued. If you do not receive a letter outlining joining details two weeks prior to the event, please contact the Conference Coordinator at **marcus evans** conferences.

Payment is required within five working days on receipt of invoice

Indemnity: Should for any reason outside the control of **marcus evans** conferences, the venue or speakers change, or the event be cancelled due to an act of terrorism, extreme weather conditions or industrial action, **marcus evans** conferences shall endeavour to reschedule but the client hereby indemnifies and holds **marcus evans** conferences harmless from and against any and all costs, damages and expenses, including attorneys fees, which are incurred by the client. The construction, validity and performance of this Agreement shall be governed in all respects by the laws of Malaysia to the exclusive jurisdiction of whose Courts the Parties hereby agree to submit.

Terms & Conditions: **marcus evans** Marcus Evans Ltd.

1. Fees are inclusive of program materials and refreshments.

2. Payment Terms: Following completion and return of the registration form, full payment is required within 5 days from receipt of invoice. PLEASE NOTE: payment must be received prior to the conference date. A receipt will be issued on payment. Due to limited conference space, we advise early registration to avoid disappointment. A 50% cancellation fee will be charged under the terms outlined below. We reserve the right to refuse admission if payment is not received on time.

3. Cancellation/Substitution: Provided the total fee has been paid, substitutions at no extra charge up to 14 days before the event are allowed. Substitutions between 14 days and the date of the event will be allowed subject to an administration fee of equal to 10% of the total fee that is to be transferred. Otherwise all bookings carry a 50% cancellation liability immediately after a signed sales contract has been received by **marcus evans** (as defined above). Cancellations must be received in writing by mail or fax six (6) weeks before the conference is to be held in order to obtain a full credit for any future **marcus evans** conference. Thereafter, the full conference fee is payable and is non-refundable. The service charge is completely non-refundable and non-creditable. Payment terms are five days and payment must be made prior to the start of the conference. Nonpayment or non-attendance does not constitute cancellation. By signing this contract, the client agrees that in case of dispute or cancellation of this contract that **marcus evans** will not be able to mitigate its losses for any less than 50% of the total contract value. If, for any reason, **marcus evans** decides to cancel or postpone this conference, **marcus evans** is not responsible for covering airfare, hotel, or other travel costs incurred by clients. The conference fee will not be refunded, but can be credited to a future conference. Event program content is subject to change without notice.

4. Copyright etc: All intellectual property rights in all materials produced or distributed by **marcus evans** in connection with this event is expressly reserved and any unauthorized duplication, publication or distribution is prohibited.

5. Data Protection: Client confirms that it has requested and consented to **marcus evans** retaining client information on **marcus evans** group companies database to be used by **marcus evans** groups companies and passed to selected third parties, to assist in communicating products and services which may be of interest to the client. If the client wishes to stop receiving such information please inform **marcus evans** local office or email unsubscribe@marcusevansuk.com. For training and security purposes telephone calls may be recorded.

6. Important note: While every reasonable effort will be made to adhere to the advertised package, **marcus evans** reserves the right to change event dates, sites or location or omit event features, or merge the event with another event, as it deems necessary without penalty and in such situations no refunds, part refunds or alternative offers shall be made. In the event that **marcus evans** permanently cancels the event for any reason whatsoever, (including, but not limited to any force majeure occurrence) and provided that the event is not postponed to a later date nor is merged with another event, the Client shall receive a credit note for the amount that the Client has paid to such permanently cancelled event, valid for up to six months to be used at another **marcus evans** event. No refunds, part refunds or alternative offers shall be made.

7. Governing law: This Agreement shall be governed and construed in accordance with the law of Malaysia and the parties submit to the exclusive jurisdiction of the courts in Kuala Lumpur. However, **marcus evans** only is entitled to waive this right and submit to the jurisdiction of the courts in which the Client's office is located.

8. Client hereby acknowledges that he/she specifically authorizes that **marcus evans** charge the credit card listed above for the amount provided herein; that this Contract is valid, binding and enforceable; and that he/she has no basis to claim that any payments required under this Contract at any time are improper, disputed or unauthorized in any way. Client acknowledges that they have read and understood all terms of this contract, including, without limitation, the provisions relating to cancellation.

APPROVALS (HEAD OF DEPARTMENT):

FOR INTERNAL OFFICE USE: