

Event By:  Bricsa Consulting

# 5<sup>th</sup> Annual Malaysia Rail 2017

14<sup>th</sup> - 15<sup>th</sup> August, 2017

Aloft KI Sentral | Kuala Lumpur - Malaysia



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LAND PUBLIC TRANSPORT  
COMMISSION



# 5<sup>th</sup> Annual Malaysia Rail 2017

## Leading Practitioner and Speaker

Mr. Yuslizar B. Daud,  
*Head of Rail Division,*  
**Land Public Transport Commission, Malaysia (SPAD)**

Mr Sim Ooi Kok,  
*General Manager - Technical,*  
**MyHSR Corporation Sdn Bhd**

Mr. Shivram Bagade  
*Manager - Underground construction and Infrastructure*  
**BASF Asia**

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## Some of the past leading practitioners

Mr. Silvester Prakasam,  
*Director of Fare Systems,*  
**Land Transport Authority (LTA), Singapore**

Ms. Norlia Noah,  
*Project Director LRT3,*  
**Prasarana Malaysia Berhad, Malaysia**

Mr. Sota Ouk, Deputy  
*Director Railway Department,*  
**Ministry of Public Works and Transport, Kingdom of Cambodia**

Dr. Padet Praditphet,  
*Director, Common Ticketing Office, Office of Transport & Traffic Policy and Planning,*  
**Ministry of Transport, Thailand**

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# Day - 1 | 14<sup>th</sup> August, 2017

**08:30 Registration and morning coffee**

**08:45 Opening and Welcome remarks from the Chairperson**

**09:00 Metro Rail Connectivity in the Malaysian environment – LRT & MRT**

- Feasibility of new projects in pipeline in the region
- Opportunities and challenges for the global players to get involved
- Funding aspects on mega projects in the region
- Policy and regulatory mandates

**09:30 The much-anticipated Kuala Lumpur-Singapore High Speed Rail Link (HSR)**

- Making high-speed rail line commercially viable – The first HSR in SEA
- Facilitation of Megacities by high-speed rail development connectivity
- Update on current status and upcoming opportunities for private sector
- Construction to begin this year with completion deadline for 2026

**10:00 Insights on LRT 3 Bandar Utama-Klang Line: Taking Klang Valley Integrated Transit System towards the path of success**

- Demonstrating advanced light railway technology - Green technology applications, applying communications-based train control system (CBTC), advanced passenger information display system and other technological enhancements
- Guideline on preparing tender documents, construction packages and design work for LRT 3
- Using single ticketing system model for the intersecting lines for ease of access

**10:30 Morning refreshments and networking break**

**11:00 Double-tracking from Mentakab to Kuantan, Pahang: Regions first complete Private Sector funded Infrastructure Project**

- To spur development as per the ECERDC master development plan
- More opportunities for the local firms to get involved with regional development
- Potentially transforming into a direct rail link from Kuala Lumpur to Kuantan via Mentakab

**11:30 Perspective on upcoming Johor Bahru–Singapore Rapid Transit System**

- Framework for strategic planning, analysis and designing
- Contemplating options for building up bridges and tunnels
- Freezing locations for customs, immigration and quarantine facilities

**12:00 Expanding the Metro Network in The Bangkok Metropolitan Area: The Orange line project**

- Challenges encountered in project construction and final approvals
- Estimated schedule of completion as August 2022
- Stimulating economic growth and reducing road traffic congestion in the Bangkok Metropolitan area
- The total estimated investment on the project is \$3bn – financing details

**12:30 Malaysia's East Coast Rail Line: Kuala Lumpur to Kelantan Line**

- Connect ports on the east and west coasts of Peninsular Malaysia
- Viable financing options Malaysia's most expensive infrastructure undertaking
- Catalyst for regional growth as well as narrowing the disparity in levels of economic development between west and east coast

# Day - 1 | 14<sup>th</sup> August, 2017

## 13:00 Networking Lunch

### 14:00 Bangkok MRT Green Line Extension

- Brief on extension of existing Green Line project
- Touching upon service delivery and public transport interchange for people to use MRT services
- Technological updates, rolling stocks, asset management and investment costs for extension

### 14:30 Thai – Laos Rail link: Critical for development of both the countries

- Feasible study on cost - benefit analysis, equipment's, up gradation of railway signals, construction of container yard and safety standards
- Improving trade activity, freight volumes

## 15:00 Refreshments and networking break

### 15:30 West Kowloon Terminus (WKT) - The largest under-ground terminus station of the World

- Opportunities for other industries like tourism, retail, catering and professional services
- Strengthening strategic position and relations between China and Hong Kong
- Ensuring effective competition from other modes of transport
- Making the station financially viable and conducive by introducing other means of income such as ATM, Retails Spaces etc.

### 16:00 Ticketing System for MRT and LRT Projects

- Contactless Cards and RFID Ticketing
- Account based ticketing for ease of access
- Mobile payment integration and rewards
- Multi-utility ticketing for passenger convenience

### 16:30 Downtown Line 3 and Downtown Line 3e – Significance and status update

- Investment of Singapore Dollars 21 billion towards completion of the mega project
- Opening of Line 3 by end of 2017 which is currently under testing and Line 3e completion by 2024
- Significance of being the longest automated underground line in Singapore
- An effective train control system managing multiple interchange

## 17:00 Closing Remarks and End of Day 1

# Day - 2 | 15<sup>th</sup> August, 2017

**08:30 Registration and morning coffee**

**08:45 Opening and Welcome remarks from Chairperson**

**09:00 The update on Klang Valley Mass Rapid Transit (KVMRT) Project**

- One of the most important and largest transport infrastructure projects Malaysia
- The 51km MRT Sungai Buloh-Kajang Line (Phase I) to become operational this year
- A brief on MRT Sungai Buloh-Serdang-Putrajaya Line and the proposed MRT Line2 linking Kwasa Damansara and Kampung Batu
- Regulatory, planning, finance, construction and operational aspects of the line
- Offering comfortable & efficient public transport system by providing traffic decongestion

**09:30 The ambitious Kuala Lumpur – Bangkok High Speed Rail Link**

- Enhancing Regional Connectivity through 3500 km HSR
- Creating an Economic Corridor in South East Asian Countries
- Feasibility of connecting two capital cities
- Extending HSR's reach to Laos and China in the future

**10:00 Rail Asset Management: Extending the lifetime of rail assets**

- R & D Advancements in Track Infrastructure for Enhanced Life Cycle Operation
- Effective and Optimal Design to Reduce Cost and Improve Reliability Down the Track
- Identifying key challenges and strategies adopted for risk management
- Analysing trends for effective maintenance of rail assets

**10:30 Morning refreshments and networking break**

**11:00 How BIM Is Enhancing Rail Projects**

- Integrating asset management into BIM design
- High-definition laser scanning (HDS) and three-dimensional (3-D) spatial modelling
- Processes associated with HDS through model development
- Working in a BIM environment: enabling collaboration and improved understanding
- BIM trends within the Rail industry, benefits, costs, challenges, and lessons learned

**11:30 Tunnelling Solutions for Rail Industry**

- Railway surveying, measurement and inspection solutions for underground operations
- Surface problems – Underground solutions – Norwegian Tunnelling Technology
- Waterproofing Membrane System
- Intelligent segments - Segmental linings / Geo-polymer concrete lining
- Emerging trends and advancements in geotechnical engineering

**12:00 Intelligent Transportation System (ITS) in Urban Transportation**

- Safe and reliable commuting with real time data analysis and traffic forecast
- Improving operations with Real-Time Monitoring avoiding delays
- Proactive Maintenance, Risk Control and Improved Efficiency through digital signalling controls
- Solutions for Multiple Stakeholders – Integrating entire travel Ecosystem

**12:30 Legal framework for executing rail infrastructure projects in the region**

- Bidding process advisory services for procuring contracts
- Key elements for foreign players to consider before entering the market
- Taxation procedure and consortium responsibilities
- Expertise needed to resolve delays and project hurdles

# Day - 2 | 15<sup>th</sup> August, 2017

## 13:00 Networking Lunch

### 14:00 Architectural Design and Urban Planning for LRT & MRT

- Mixed-use and Transit Oriented Development as key focus for effective commuting
- Commercial Landscape to be considered in Station design to fetch allied revenue
- Keeping local traditions and culture in mind for seamless integration of design
- Last-mile connectivity to be perceived at planning stage

### 14:30 Key challenges in timely execution of large scale rail mega projects

- Land acquisition and public acceptance to be considered beforehand to avoid delays
- Risk allocation should be planned at market testing to ensure delivery
- Diversifying revenue base to enhance sustainability by maximising non-passenger revenue
- Integrating other modes of transport for better last-mile connectivity

## 15:00 Refreshments and networking break

### 15:30 Capacity building for East West Corridor metro lines - Singapore

- Overview of the Tuas West Extension - a part of East West extension and the longest MRT line in Singapore
- Additional rolling stock procurement, signalling system, sleeper replacement, MRT viaduct, maintenance and incorporating moving-block technology
- Significance of the project to improve frequency and service delivery

### 16:00 Signaling and Telecommunications - Ever-changing technological enhancements

- Design studies and implementation schedules to install new systems or to replace and upgrade existing ones
- Development of operations and maintenance plans, evaluation of resources and training
- Conventional vs CABS vs CBTC railway signalling & their impact to capacity

### 16:30 Signage strategy and wayfinding systems - A revolution in Passenger Information System (PIS)

- A key tool in decongesting crowded stations
- Effective positioning and lay-out to be given priority
- Pictographs to be more accurate instead of multi-linguistic options
- Color-coding and clarity in depiction to make uniform distribution and differentiation

## 17:00 Closing Remarks and End of Conference

# More about this conference:

## Why you Cannot Miss this Event

**Bricsa Consulting** takes great pride in organising our **5th Annual Malaysia Rail**. A large scale event scheduled for **14th – 15th August, 2017**, in **Kuala Lumpur, Malaysia at Aloft KI Sentral**.

Bricsa Consulting is involved in hosting industry specific conferences and currently our focus area is Transportation, which is one of the key priorities in terms of Infrastructure development.

We have the ability to bring industry leaders across various geographical markets successfully on a common platform to discuss various business possibilities. We have successfully executed conferences in Malaysia, South Africa, India, Saudi Arabia, Kenya and we are exploring some of the upcoming emerging markets like Nigeria, Ghana, Kenya, Tanzania, UAE, Qatar, Oman, Myanmar and Vietnam among others.

Our conferences are extensively researched and all efforts are put forward to highlight current projects in the respective regions. The audience is a mix of Ministries, Government Agencies, Development Banks, Financial Institutes, Infrastructure and Construction Companies, Consultants and Architects, with a goal to create a practitioner focused platform and making it a leading global meeting place for the rail Infrastructure and Investment community.

By becoming a Sponsor, your company will be given the best possible opportunities to position itself to the worldwide industry. You will have access to some of the most influential decision-makers and potential business partners who will be playing an integral part in shaping the future of the industry.

Making an Investment in these conferences will help your company to attract business and if you make the most of the sponsorship opportunities we offer, you will see an incredible return on your investment.

## Highlights of the conference: 5th Annual Malaysia Rail 2017

- Kuala Lumpur – Singapore High Speed Rail Link (HSR)
- Insights on LRT 3 Bandar Utama – Klang Line
- Perspective on Johar bahru – Singapore Rapid Transit System
- Expanding the Metro Network in the Bangkok Metropolitan – The Orange Line Project
- Malaysia's East Coast Rail Line : Kuala – Lumpur to Kelantan Line
- Bangkok MRT Green Line
- Updates on Klang Valley Mass Rapid Transit ( KVMRT) Project
- Kuala – Lumpur – Bangkok High Speed Rail Link

## Key benefits of attending:

- Meeting the demands and changing mobility needs of the public in delivering a reliable transit system
- Improving with the purpose of strategies to creating a multimodal integrated transit system
- Leveraging public transportation efficiency and accessibility to alleviate traffic congestion
- Developing a sustainable strategy involving public & private participations modality in financing

## Who Should Attend:

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

Government Authorities & Ministries Director Generals, Secretary Generals, Heads, Officers of:

- Railways
- Rail Infrastructure (MRTs, LRTs, metros, subways, passenger commuters, mainlines, highspeed rail)
- Urban Transport
- Traffic Management
- Finance & Public Private Partnerships
- Urban Planning
- City Planning & Town Planning
- Projects & Investments

## Rail Operators:

- Trains / Rolling Stock
- Commuter Services
- Intercity Services
- Engineering & Projects
- Communications & Services
- Signalling & Telecommunications
- Business Development & Commercial
- Rail Operations & Maintenance
- Legal Firms

## Consultants

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

## Manufacturers and Suppliers of

- Rolling Stock
- Signalling & Communications Technologies
- Track Engineering and Construction Materials
- Rail Equipment & Parts

## Engineering & Construction Firms, Contractors & Builders

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

- Planning & Development
- Urban Planning
- Engineering
- Building & Construction
- Operations
- Procurement
- Project Management
- Drilling, Tunnelling and Excavating
- Environment and Safety & LEED Certification

## 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

*Promotion of your company begins as soon as you commit to sponsorship, so the sooner you sign up, the more visibility you get.*

## Contact us to discuss further :

If you wish to speak at this conference; please email us your details and a topic outline at :

Natasha Sequeira  
Conference Producer  
[natasha@bricsaconsulting.com](mailto:natasha@bricsaconsulting.com)  
Tel: +91 22-6242 2900

