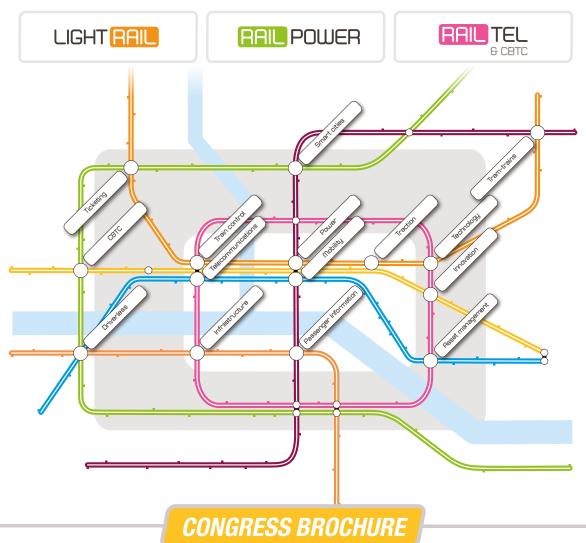


CONGRESS 2016

Innovation. Technology. Performance.

FOR THE WORLD'S URBAN RAIL COMMUNITY

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The congress at a glance



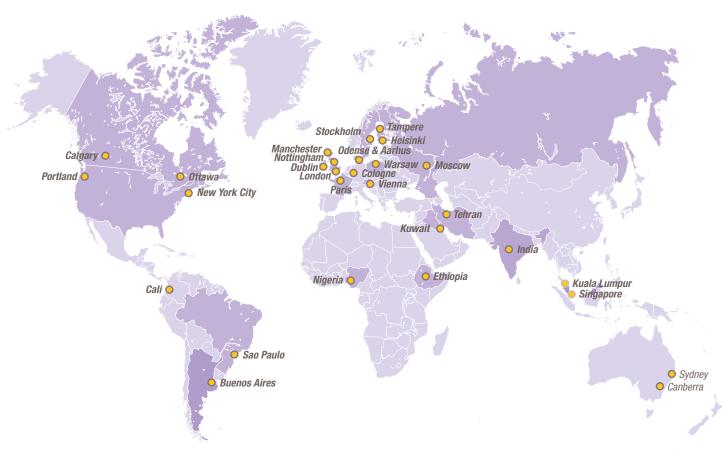














2Davs



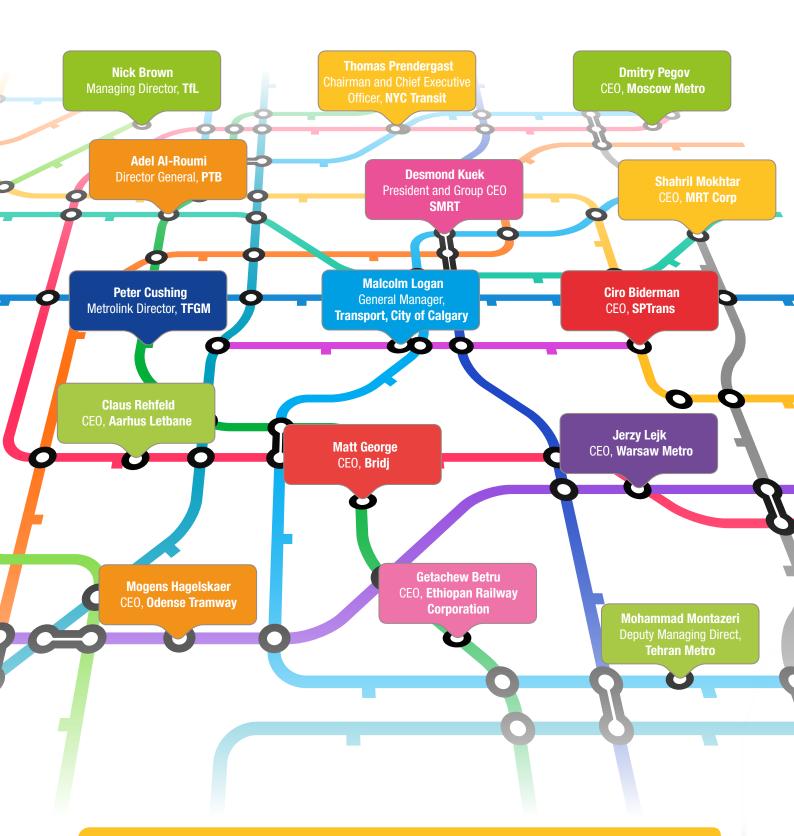
50+
Presentations



4 Streams



Where the world's urban rail leaders meet





08:55

Conference doors open

09:00

Chairman's opening remarks

Nicholas Owen, Journalist, Broadcaster and Rail Enthusiast, BBC

THE NEXT GENERATION OF URBAN RAIL SYSTEMS

09:05

Keynote Interview: The next phase of urban rail evolution in the city of London



- Insight into how TfL plan to fund day-to-day operations through commercial revenues in the next 5 years
- How TfL are raising £1bn of funding through property development that we can reinvest back into the London transport network
- Opening stations up to greater commercial development Click and Collect and innovative advertising
- · Learn how smart city technology can ease the way on London's overcrowded transport system
- The modernisation of the capital's transport networks and future challenges of upgrading the tube

Managing Director, London Underground

09:20

Keynote Interview: Preparing MTA for its next 100 years - rehabilitating and modernising the system to meet the 21st century demands



- Progress overview of the capital programme to date
- Making systems smarter and more resilient while facilitating major upgrades and expansions
- . Shaping the next 20 years of regional mobility in NYC
- Understanding the challenges associated with capital programme funding
- How MTA is planning to achieve future projected operating efficiencies and implement key elements of the cost reduction initiatives

Thomas F. Prendergast, Chairman and CEO, MTA New York

09:50

MEGA PROJECT Presentation: Building Networks of the future: Changing the face of Riyadh by 2018



- Designing and building Riyadh's mega project
- . Innovating station design and passenger transit
- Integrating all metro lines with other public transport modes
- Overcoming construction challenges
- Latest update on 2016 tenders for the metro



10:10

Keynote Presentation: Understanding the importance of your track infrastructure to help optimise costs, improve safety and boost efficiency



- Modern tracks: Boosting performance at a minimised cost of ownership
- Metros and tramways: reference cases
- Rollout of next generation track solutions

Frederick Kübler, Managing Director, Voestalpine Schienen

voestalpine
ONE STEP AHEAD.

10:30

Morning coffee, tea, exhibition viewing and SPEED NETWORKING

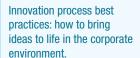


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NEW TECHNOLOGY ROUNDTABLES

Participants take part in two 45 minute roundtables, brainstorming together with the expert moderator to produce their suggestions on what technology would work best for them. Topics include:



BOMBARDIER

Gregorio Acero, *Head of Quality, Western Europe, Middle East and Africa,*Bombardier

How can premium track materials improve maintenance and efficiency?

voestalpine

Markus Maier, *Sales Director,* Voestalpine VAE GmbH

How can you use LTE-4G to take traditional urban rail communications out of silos and is the Paris metro SySTUF trial a success?

NOKIA

Emanuele Di Liberto, Director Portfolio Positioning and Strategic Marketing, Nokia

What will the metro trains of the future look like?

PriestmanGoode.

Paul Priestman, *Co-Founder,* PriestmanGoode

How can we protect our systems from the threat of cyber attacks?



Michele Hanson, CISO, TfL

How can you use regenerative braking technology to power whole stations?



Andy Gray, Power Engineer, Tfl

"TETRA/WiFi or better interoperability through LTE for mission critical voice and data?"



Norman Frisch, Head of Business Development, Huawei

How can transport operators maximise revenues and support small businesses through their unique retail estates and customer base?



Siobhan Jared, *Retail*Category Manager, TfL

How can you improve safety on your metro platforms without breaking the bank?

Honeywell

Thomas Klug, *General Manager Rail Safety*,
Honeywell

Energy recovery systems: What are the most efficient experiences?

Ingeteam

Fernando Loizaga, *Industrial Engineer,* Ingeteam

How can organisations use LTE technology to take advantage of professional broadband services?

sepura

Felipe Sanjuan Pasamar, Business Development Director, The Sepura Group

What are the challenges of upgrading to fully automatic operation on an existing metro system and how can they be overcome?

HITACHI Inspire the Next

Barrie Cottam, *Business Development Manager*, Hitachi Using modern driver advisory systems to collect real time data to help trains arrive on time

SOUTH WEST TRAINS

Marcus Askell, *Engineering Engineering Project*, South West Trains

How will the next generation of CBTC manage Maintenance/Work/Yellow Trains on driverless lines?

SYSTIA

Didier LE ROY, *Urban Signalling Division Manager*, Systra

Nicolas PERROT, *Metro Product Line Technical Manager*, Systra

Passenger satisfaction & security is the basis for a successful end-to-end metro system - How could operators better serve their customers?

TELESTE

Antoine De Ryckel, *VP end-to-end solutions VSI*, Teleste

What will be the future of fare collection?



Hong-lam Nguyen, *Business Development Manager*, TfL









UPGRADE PLANS AND MAJOR PROJECTS

TRANSFORMING POWER

SIGNALLING AND SECURITY

14:30

Case study: Expanding the Moscow Metro – Key lessons from the development of 54km of metro lines as part of the City Targeted Investment Programme



- Building 54km of metro lines, 26 stations and 7 new maintenance facilities in the next 3 years
- Maintaining consistent funding for the construction of new lines
- Making Moscow the most connected underground network in the world'

Dmitry Pegov, CEO, Moscow Metro

Case study: How TfL used state-of-the-art regenerative braking technology to power an entire station



- Creating a "world-first" and capturing
 1 Megawatt hour of energy per day
- How the technology could help save £6m every year in energy costs
- · Future adoption across different lines

Andy Gray, Power Engineer, TfL

What can we learn from electronic warfare to protect our critical infrastructure from cyber-attacks?



- Where are the weakest parts of your computerised telecommunication systems?
- Learning from the practice of other industries to successfully protect our urban rail networks
- Investing in long-term cyber security measures to analyse machine behaviour so we can pre-empt attacks

David Stupples, Professor, **City University London**

14:50

Working on the Riyadh Metro Mega Project – Dealing with external and internal stakeholders



- Managing stakeholder relationships to develop 64KM of track and 69 driverless trains
- Adopting new technologies and new ways of working to deliver the project on time
- Main points to meeting key stakeholders needs and expectations on time

Jamie Freyre De Andrade, Metro Riyadh Project Director, **Fast Consortium** Case study: Regenerative braking on the Trimet Portland-Milwaukie light rail line



- Employing an industry leading approach to sustainable design
- Using the first supercapacitor in the United States to harness regenerative energy for light rail
- Expanding the principles learned into future projects

Leah Robbins, Capital Projects Director Trimet. **Portland** Panel Discussion: Improving safety, reliability and efficiency on your network by ensuring optimum performance of CBTC and legacy systems. Themes include:

- Maintaining safety and reliability when integrating new technology into your network
- Developing future proof networks while managing the cost and complexity of projects
- How can we deliver higher capacity and meet the growing needs of our networks through CBTC?

15:10

What is coming to your station? The evolution of platform safety solutions



- What new applications are there for this technology?
- Is there a more cost effective alternative to screen doors?
- Safety improvements for legacy systems

Thomas Klug, General Manager Rail Safety, **Honeywell**

How to improve the performance of existing transport systems by introducing new drive systems technology into your existing rolling stock



- Understanding the effects of retractioning
- What alternative technologies are there to extend mission profile and reduce energy consumption?
- Improving reliability and availability with new technology and system solutions

Magnus Forsen, Engineering Director, Bombardier





Vinod Bhatia
Director
Indian Railways



Johan Von Schantz Technical Director Stockholm Transport Administration



Chris Nuttall, Business Development Manager, Thales Ground Transportation Systems



portation









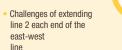
UPGRADE PLANS AND MAJOR PROJECTS

POWERING STATIONS AND SYSTEMS

CBTC INTEGRATION PROJECTS

COMMERCIAL INNOVATION

Project Case Study: Expanding the Warsaw



- Plans for a future 60 six-car trains Further planned extensions adding three
- Jerzy Lejk, CEO, Warsaw Metro

more stations

Case study: Harvesting energy from floor tiles to power low-voltage local applications at Saint Omer train station, France

- · Harnessing and converting kinetic energy from commuters footsteps to create a
- sustainable energy source Challenges of implementing the largest permanent install of the technology to date
- · Future applications that could play a key role in smart cities of the future

Laurence Kemball-Cook, CEO & Founder, **Pavegen Systems**

Successfully planning new projects and meeting deadlines when implementing CBTC projects

- · What factors should be considered to ensure that the right solution is chosen for each application?
- · What tools are available to optimise cost and implementation time eg simulation?
- · Strategies to ensure effective use of systems and processes by the control centre and roving staff

Claus Rehfeld Moshøj, Managing Director, **Aarhus Letbane**

How commercial innovation is helping the UK's largest tram network run without public subsidies?

- Offering value for money while balancing the need to run the service with no public subsidy
- Reinvesting revenue back into the multibillion pound network projects
- Making more money per journey

Peter Cushing, Metrolink Director, Transport For Greater Manchester

Case study: Completing a transformational rail link through London in record time - Getting Crossrail

operational and delivering



a whole new fleet of trains Past the halfway point - delivering Europe's largest infrastructure project in its final stages

- Implementing a high-performing and reliable new fleet of trains to London's rail
- Using intelligent on-train energy management systems to regenerate energy back in the supply when braking

Howard Smith, Operations Director, Crossrail

Case study: Calgary light rail network's approach to renewable energy

- A busy LRT system with a downtown transit modal split is 50 percent
- 100% run on Renewable Energy
- The Green Line \$4.6 Billion Capital for the 40 Km, 28 station low floor LRT with storage and maintenance facility
- · Planning ahead to ensure the Green line is powered sustainably

Malcolm Logan, General manager, Transport, **City of Calgory**

Case study: Introducing CBTC technology onto the Indian Railway networks

- Bringing CBTC to india Securing better technologies for anti-collision and safer travel
- · Using built in redundancies to deal with component failures
- Future rail modernisation projects in India

Vinod Bhatia, Director, Indian Railways

Driving a commercial approach to transport assets - providing longterm revenues to support investment



- Set out the scale of the opportunity to deliver revenue while providing homes and jobs
- Provide details of TfL's fresh approach to securing non-fare revenue
- The importance of commercial and operational teams working in partnership

Graeme Craig, Director of Commercial Development, TfL

Enhancing the passenger experience in Metro operations

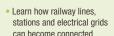


How has the use of design innovation contributed

- to enhancing the passenger environment With ever rising customer expectations, how can passenger needs of the future be best met?
- How World Class performance is achieved and what are the future opportunities for continued performance enhancement?

Niall Simmons. Head of Engineering Bids. Bombardier

Understanding how your network could apply and ontimize the applications of a railway smart grid



- Get the most from your investments considering technical solutions and the energy market
- Hear case studies of state-of- the-art solutions applied to business projects

Chafika Bekhaled, Head of Power Supply Team. Systra Jérôme Baert, Systems Engineer, Systra

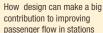
Case study: Planning public transport systems for the technology of the future



- Planning for upgrades at the start
- Using technology to improve metro operations - more trains at peak times
- Integrating new technologies into existing networks

Ali Abdollahpour, Technical vice president of managing director and Deputy manager of stations, **TUSROC** (Tehran)

How design is creating a transformative vision for future rail experiences



- What will future rolling stock interiors look
- Meeting future passenger need through clever design

Paul Priestman. Co-Founder. PriestmanGoode

Project Case Study: Smart traction system upgrade solutions for mass transit



- energy-savings
- Improving availability and reducing overall life cycle cost
- Maintaining minimal impact on rail operation

Thomas Huggenberger, Product Management, ABB

Case study: How Ferrocarril del Pacifico are using a solar powered train detection system

- Assessing the viability of the project from a technical and economic perspective
- · Using the first wheel sensors on the market with solar and wireless capabilities
- Future modernisation projects

Ivan Duque, Head of Signalling, Ferrocarril del Pacifico



- Sepura provide mission critical TETRA radio systems in many mass transit infrastructures
- A current project combines LTE with the existing TETRA system on the Bilbao Metro
- Real time CCTV video is transferred over LTE from stations and trains to the control room and mobile staff
- · Implementation of LTE technology is complimenting the security already provided by TETRA systems

Felipe Sanjuan Pasamar, Business Development Director. Sepura



To discuss sponsorship of this session contact

Adam Hayward on +44(0)207 092 1166

or email

adam.hayward@terrapinn.com















CLOSING KEYNOTE FOR DAY 1: BIG DATA AND THE INTERNET OF THINGS

The Commuter Prognosis, Big Data and Internet of Things – what is the fuss all about?

- Using the commuter prognosis to automatically predict delays on Stockholm's commuter rail system, up to two hours before they occur!
- How you can use patterns from historical data to predict where trains will be at specific times
- Understand what is behind the buzzwords 'Big Data' and the 'Internet of Things' and how will they impact the travel and commuter industry?

Willhelm Landerholm, Owner, Queue AB



5:40PM



ENGLISH SUMMER GARDEN PARTY

ACCESS FOR DELEGANTS ONLY



Limited places available. Book your conference ticket and contact Daniel Boyle for more infomation on daniel.boyle@terrapinn.com

Join us just across the road from the conference venue to unwind and (hopefully) enjoy some early summer sunshine at our traditional English summer garden party. Expect great food, fantastic entertainment and a great chance to enjoy some more casual networking with industry leaders.

MAIN CONFERENCE AGENDA DAY TWO, FRIDAY 27TH MAY 2016

THE FUTURE OF DATA AND ANALYTICS IN URBAN MOBILITY

09:00

Chairman's opening remarks

Miles Ashley, Programme, Director of Crossrail and Stations, London Underground

09:05

Keynote Address: How you can effectively use data and analytics to drive the future of urban mobility



- Using data to predict the impact on roads, highways and public transport networks caused by subway line closures, planned road-works or transit maintenance projects, and recommend the optimum change in transit schedules and communication strategy to deal with the impact
- Predicting the impact of major unplanned events such as a transit labour strike on transport utilisation and the local economy
- Detecting and predicting the likely occurrence of everyday planned service incidents and recommending the optimum response
- Using data modelling to predict effect of planned network expansion work to give you a clear understanding of the patterns of usage and the impact of land use and development decisions

Ciro Biderman, CEO, SPTrans

09:30

Moving people, enhancing lives: SMRT's transformation journey



- Benefits of a customer-centric service
- How changes in customer experience will impact the delivery of future city transport?
- Handling day to day disruption management through real time passenger information

Desmond Kuek, CEO, SMRT Corporation

09:50

Keynote Panel: What can urban rail learn from other industries and how is the internet of everything impacting your industry?



- What can transportation learn from other industries and how can we effectively apply that knowledge to our networks?
- How can we use big data tools to find the weaknesses in our systems?





• Ultimately how do you present that data in a compelling report that is revealing and informative to the areas that matter?



Ciro Biderman, CEO, SPTrans Moriano Cermesoni, Senior Planning Manager, SBase River Tamoor Baig, Co-Founder, HackTrain Alejandro Saucedo, Co-Founder, HackTrain

GLOBAL PROJECT ROUNDTABLES

At each round table, the project leader will talk for 5 minutes, following the format as below:

- Project introduction, highlighting particular challenges specific to that project
- Project progress, emphasising supplier and partner relations
- Project summary what would we do differently if we tackled this project again?

The table will then move on to discussion for 40 minutes.

There will then be one rotation, giving participants the opportunity to joined two round tables in total.

TOPICS INCLUDE

Project: Warsaw Metro line 2 extension



Jerzy Lejk CEO Warsaw Metro **Proiect: Luas Cross** City Tram Integration project



Rory O'Connor **Deputy Chief Executive** Transport Infrastructure Ireland

CBTC Project: Buenos Aires Metro Line F



Moriano Cermesoni, Senior Planning Manager, **SBase**

Project: Second City Crossing extension



Peter Cushing Metrolink Director **TFGM**

Project: Achieving a CO2 Neutral station building



Heiner Hühnerbein Team Leader Concept & Design Deutsche Bahn

Project: Introducing UTO in Vienna



Nikolaus Panzera Metro Operation Wiener Linien

Project: Upgrade of the Red Line in Stockholm Metro



Johan Von Schantz **Technical Director** Stockholm Transport Administration

Project: Modernizing NRC train control system to meet growing demands



Bello Roni, Deputy Director Signalling & Telecommunications, Nigerian Railway Corporation

Project: Toulouse: Planning for the Toulouse Aerospace **Express Line**



Vincent Georjon Deputy Director General Tisseo

Calgary city's upcoming LRT extension plans



Malcolm Logan General manager Transport, City of Calgory

Project: Designing Denmark's first modern light rail vehicles



Claus Rehfeld Moshøi CFO Aarhus Letbane

construction of the

North-South line in

The challenges of implementing CBTC systems within tight time constraints



Replacing catenary

Kimmo Reiman Project Manager HKL

operation with

new battery

technology

Using the savings from fuel & shares from the public to fund full electrification from wind & hydrail in Northern Germany



Holger Busch, Scientific Advisor, Fraktion Bündnis 90/Die Grünen

Odense Tramway

Metro Dublin Development - short term programme to deliver



Dublin Metro

Letbane - Tender standardisation

Project: Odense



Mogens Hagelskaer

Challenges of deliver the world's biggest

signalling upgrade? Andy Bell

VP Urban Rail Signalling UK Stuart Harvey, Sub Surface **London Underground**

Project: Modernisation of the French railway network



Christian Schang **Operations Director SNCF**

KVB(-)

Project: The

Cologne

Jörn Schwarze Chief Technical Officer Kölner Verkehrs-Betriebe centro transfermina su

Phil Hewitt Metro Programme Director Centro

Cormac Rabbitt Managing Director Programme Director, Four Lines Modernisation

Networking lunch and exhibition viewing



13:00

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MAIN CONFERENCE AGENDA DAY TWO, FRIDAY 27TH MAY 2016

LIGHT RAIL





LIGHT RAIL PROJECTS

INNOVATIVE FINANCING & CONSTRUCTION

LTE METRO PROJECTS

14:00

Case study: Addis Ababa - Sub Saharan Africa's first light-rail network



- Meeting the demand for public transportation in Addis Ababa
- Introducing lightrail along major transport corridors and running alongside other transport services
- Offering residence a safe, efficient and higher quality of public transport

Dr. Getachew Betru, CEO, Ethiopian Railways Corporation

Revolutionising the management of PPP projects in rail



- Innovative examples of successful PPPs
- How you can leverage new mechanisms for funding and drive innovation
- Taking a collaborative approach with suppliers, managing risk and measuring impact

Matt George, CEO, Bridj

How TfL is planning to harness the power of the Internet of Things



- What does TfL view as the most important applications for the loT?
- Understand how knowing where hotspots of traffic are will affect future planning
- What the future might hold for London Underground's Internet of things

Kuldeep Gharatya, Head of innovation, Technical Strategy and Performance, **TfL**

14:20

What is the future for procurement standardisation in light rail projects?



- Lessons in standardisation and interface management
- Harnessing innovation to improve performance and life-cycle costs
- Maintaining strong relationships with all stakeholders

Mogens Hagelskaer, CEO, Odense Tramway Innovations in the financing, design and construction of metrorail projects



- How you can develop effective site-specific solutions for fast track construction
- What is the case for prefabricated elements and can they offer an improvement in quality and safety?
- Innovative financing of metro projects and multi-modal transport systems

Ankala Saibaba, Chief Engineer, Indian Railways

Case study: Mission Critical voice and data on LTE private mobile radio



- Interoperability for LTE private mobile radio networks
- CBTC Mission Critical Train-signalling on LTE
- Voice trunking, CCTC streaming, and resilience through redundancy and cyber security features

Norman Frisch, Head of Business Development, Transport Sector, Huawei Enterprise Business Group and Chairman of eLTE Industry Alliance

14:40

Rails, turnouts and signalling technology from the technology leader

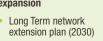


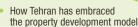
- Heat-treated grooved rails, a worldwide USP for customer benefit
- Grooved rail turnout systems and signaling for the future
- Conclusion: availability and lifecycle cost of the tramway track

Lukas Prettner, Product Management Department, **Voestalpine Schienen GmbH**

Helmut Jäger, Engineering Department, **voestalpine VAE GmbH**

Project Case Study: Tehran Metro's network expansion





 Integration of transportation systems and urban planning

Mohammad Montazeri, Deputy Managing Director, **Tehran Metro**

Project Case Study : Key challenges in the design and build of Riyadh Metro's line 3

- Delivering a largely elevated line to form the backbone of the city's new world class public transport system
- Integrating the latest automation and CBTC technology – Choosing futureproof systems
- Building futuristic landmark stations

Speaker TBC

A reliable and secure TETRA radio infrastructure for Metrô RIO and the Olympics 2016"



- Mission Critical Communication Networks for Metro operators
- Integrating new technologies into existing networks
- Enhancing the safety of thousands of fans who will attend the Olympics

Pablo Rocha, Telecommunications Engineer, **Kapsch**

MAIN CONFERENCE AGENDA DAY TWO, FRIDAY 27TH MAY 2016

15:00

Networking break





GLOBAL PROJECTS

CREATING SMARTER METROS

15:30

Case study: Building Canberra's Light Rail

- Smart mobility in a sustainable city How Canberra plans to double their urban capacity in 40 years
- Urban Transformation Making Canberra a vibrant, sustainable and liveable city
- Our future customer and their journeys Using real time mobile information, integrated ticketing and keeping passengers connected

Emma Thomas, Project Director, Capital Metro





- · Our one team approach
- Our delivery models
- · Learning and developing at TfL

Miles Ashley, Programme Director, Construction LU Capital Programmes Directorate, TfL

15:50

Case study: Ottawa Light Rail Transit -Confederation Line Project

- Expanding the 0-Train system, the city's overall LRT network farther to the east, west and the south
- Bringing 70% of the city's population within five fikilometres of rail transit by 2023
- Reducing travel times, improving productivity and containing expenditure

Simon Dupuis, Programme Manager, Funding and Procurement, City of Ottawa

Condition based Maintenance in the context of metro line constraints



- How Alstom's HealthHub allows you to monitor the health of your trains using advanced data analytics to predict their remaining lifecycle
- Using an innovative approach in design to shift from the traditional mileage-based maintenance to condition-based and predictive maintenance
- How can this be integrated into metro lines and what is the perspective for operators and maintainers?

Raphael Signoret, Market and Portfolio Manager, Alstom

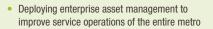
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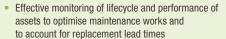
Case study: building the Tampere light rail system

- Creating an alliance model for the project, where the client, engineers and contractors work jointly in the execution
- Developing one of the most significant infrastructure projects in Finland
- Aiming for phase one completion in 2021 and phase two by 2025

Pasi Aarnio, Project Manager, City of Tampere

Case study: Sydney Trains - Transforming into the smarter metro





 How will smart enterprise asset management ensure increased reliability and availability of services while maximising returns and values of assets?

Stewart Mills, Director Maintenance, Sydney Trains

16:30

Conference close



2016 Speakers



Managing Director



Chairman and CEO MTA New York



Dmitry Pegov Moscow Metro



Adel Al-Roumi



Desmond Kuek **SMRT Corporation**



Frederick Kübler CE0 Managing Director Transport For Greater Manchester Voestalpine Schienen



Malcolm Logan General manager, Transport City of Calgary



CEO **SPTrans**



Claus Rehfeld Moshøj Managing Director



Moriano Cermesoni Senior Planning Manager SBase



Laurence Kemball-Cook CEO & Founder Pavegen Systems



Jerzy Lejk CEO Warsaw Metro



Mogens Hagelskaer CEO Odense Tramway



Dr. Getachew Betru CEO **Ethiopian Railways Corporation**



Howard Smith Operations Director Crossrail



Mohammad Montazeri Deputy Managing Director Tehran Metro



Matt George CEO Bridj



Pasi Aarnio Project Manager City of Tampere



Leah Robbins Capital Projects Director Trimet Portland



Andy Grav Power Engineer



Emma Thomas Project Director Capital Metro



Vinod Bhatia Director Indian Railways



Simon Dupuis Programme Manager, Funding and Procurement, City of OttawaJohan Von Schantz, Technical Director Stockholm Transport



Thomas Klug General Manager Rail Safety Honeywell



Miles Ashley, Programme Director, Construction LU Capital Programmes Directorate TfL



Magnus Forsen Engineering Director Bombardier



Graeme Craig Director of Commercial Development



Ali Abdollahpour Technical vice president of managing director and Deputy manager of stations TUSROC (Tehran)



Niall Simmons Head of Engineering Bids. Bombardier



Thomas Huggenberger Product Management



Felipe Saniuan Pasamar Business Development Director Sepura



Lukas Prettner Product Management Dpt Voestalpine Schienen GmbH



Helmut Jäger Engineering Dpt Voestalpine VAE GmbH



David Stupples Professor City University London



Kuldeep Gharatya, Head of innovation, Technical Strategy and Performance TfL



Alwalid Alekrish Director of Construction Development Projects & Project Director of the Rivadh Metro, Arriyadh Development Authority
Saudi Arabia



Jamie Freyre De Andrade Metro Riyadh Project Director Fast Consortium



Chafika Bekhaled Head of Power Supply Team Systra



Thomas Klug General Manager Rail Safety Honeywell



Chris Nuttall Business Development Manager Thales Ground Transportation Systems



Ferrocarril del Pacifico

Gregorio Acero Head of Quality, Western Europe, Middle East and Africa Bombardier

Kimmo Reiman

Project Manager



Vincent Georjon Deputy Director General Tisseo



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Michele Hanson

CISO



Operations Director



Felipe Sanjuan Pasamar Business Antoine De Ryckel Development Director VP end-to-end solutions VSI Teleste The Sepura Group



Siobhan Jared Retail Category Manager

Stuart Harvey Sub Surface Programme Director.

Four Lines Modernisation London Underground









Fernando Loizaga

Industrial Engineer

Ingeteam

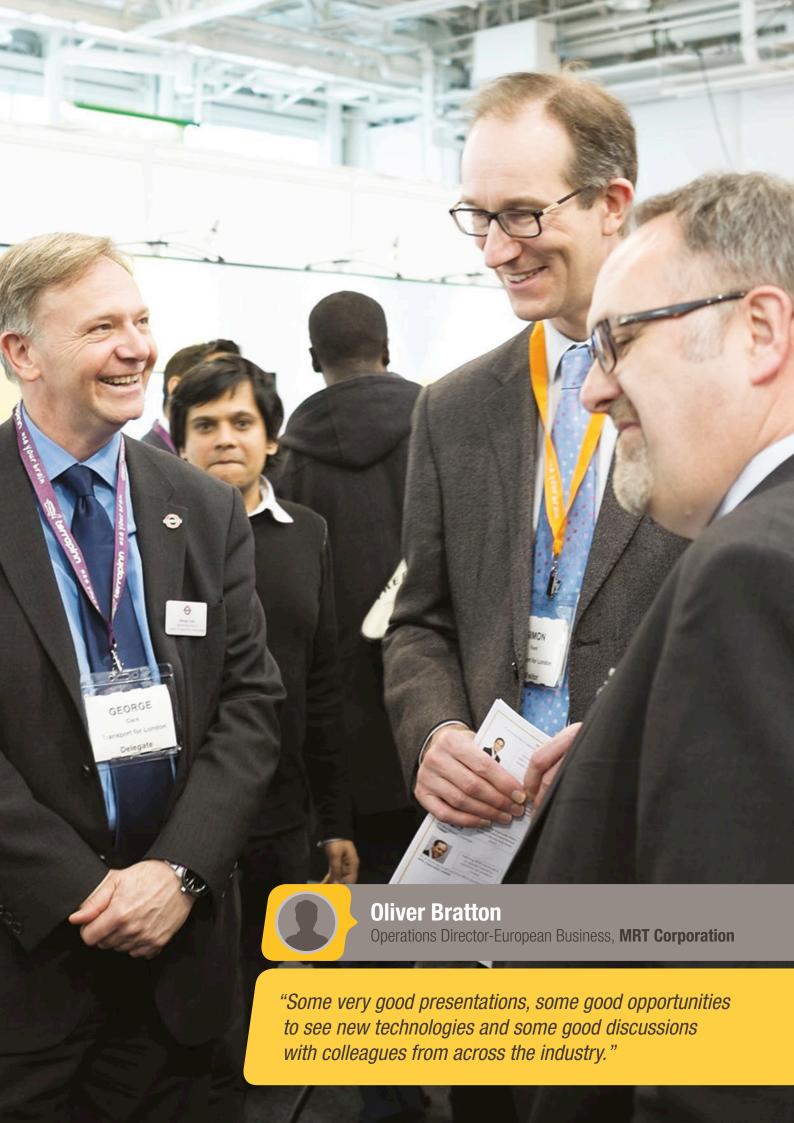
Deputy Director Signalling & Telecommunications **Nigerian Railway Corporation**



Urban Signalling Division Manager Metro Product Line Technical Manager Director Portfolio Positioning and Systra

Emanuele Di Liberto

Strategic Marketing Alcatel Lucent



Past attendees















































































































































































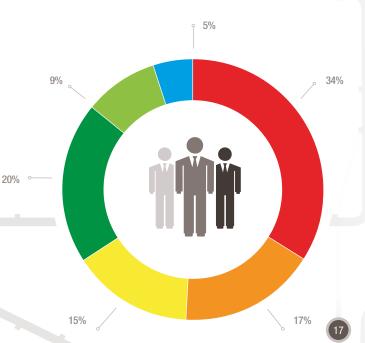






Delegate Geo breakdown









27-28

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30

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35

36

23

24

20



11

12

16

Atrium

17

18

5

6-8

Entrance

9

CAFE

VIP

Networking

Area



Get involved

- Make sales
- Debut new products
- Position your brand
- Meet new business partners and suppliers
- Develop key relationships
- Educate global projects on your offering

25 22 19 13 32 37 Conference 34 33 26 14 10 15 Level 2 Business Design Centre 49 - 50 48 47 46 45 43 42 44 40-41

Level 1 Business Design Centre

CAFE

21

To sponsor or exhibit call

Adam Hayward

on +44 (0)207 092 1166

or adam.hayward@terrapinn.com

Floorplan updated as of 28.04.2016

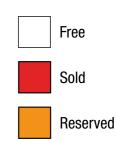
SEMINAR 1

Why exhibit?

With a focus on bringing a senior delegation of buyers and encouraging high level networking, we can promise fantastic ROI on your involvement this year.

Taking an exhibition booth will help get your company in front of CEOs and other executives from the world's most interesting rail projects.

The exhibition also attracts a further 1500 technical and engineering managers. The attendees are looking to source and discover the latest technologies and initiatives to helpthem improve their rail operations.



5	Ansaldo	13	Sepura
6-8	Hitachi	14	Metro Report International
10	Reserved	15	Green Hills Software
11	Reserved	16	Reserved





Atrium



33	21Net	
36-37	Systra	
40-41	Crossrail	
42	WMG University of Warwick	

43	Industrial Communication Products
44	Acksys
45	Reserved
47	Reserved

48	Ansaldo
49-50	Transport System
51	HackTrain

Top sponsors take part in the whole event

Thought Leadership Presentations

Deliver your message as a thought leader on a chosen topic to a room of up to 300 senior rail executives

Case Study Presentations

Showcase one of your best customer case studies to establish awareness and visibility to a room full of potential prospects



Round Tables

Host a round table of up to 15 industry professionals around key topics



Workshops

Host an exclusive workshop of up to 40 rail executives on a topic chosen by you

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Rail Operator Ticket	£250 Save £250	£295 Save £205	£325 Save £175	£350 Save £150	£400 Save £100	£425 Save £75	£500

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