

10th annual

# METRO RAIL

1 - 2 April 2014  
Business Design Centre  
London

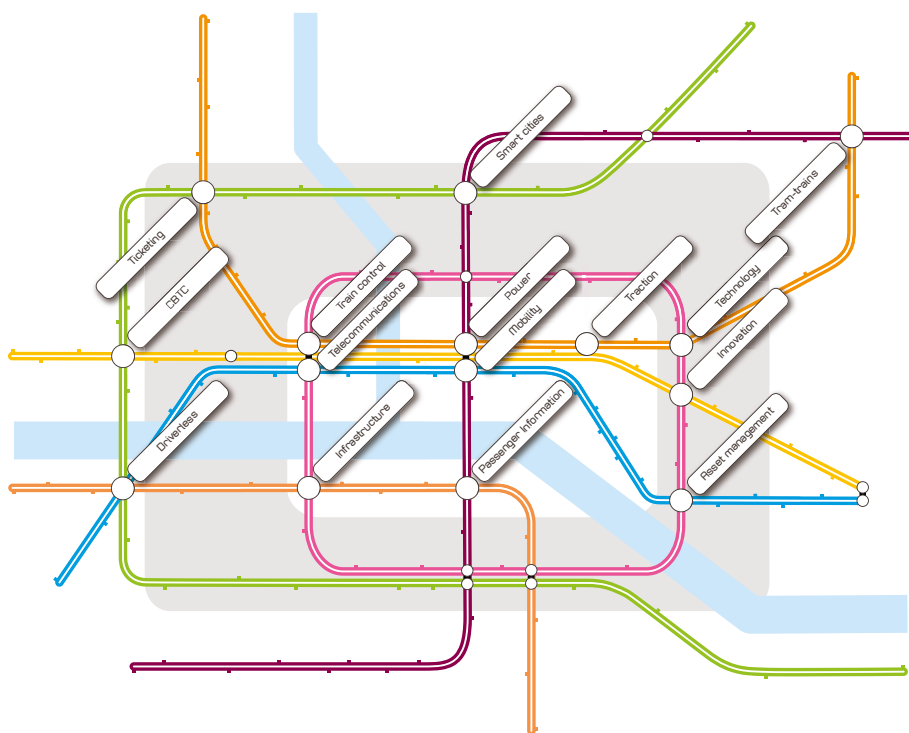
## EUROPE 2014

LIGHT RAIL  
EUROPE 2014

RAIL TEL  
EUROPE 2014

RAIL POWER  
EUROPE 2014

AIR RAIL  
EUROPE 2014



## All your business tracks covered

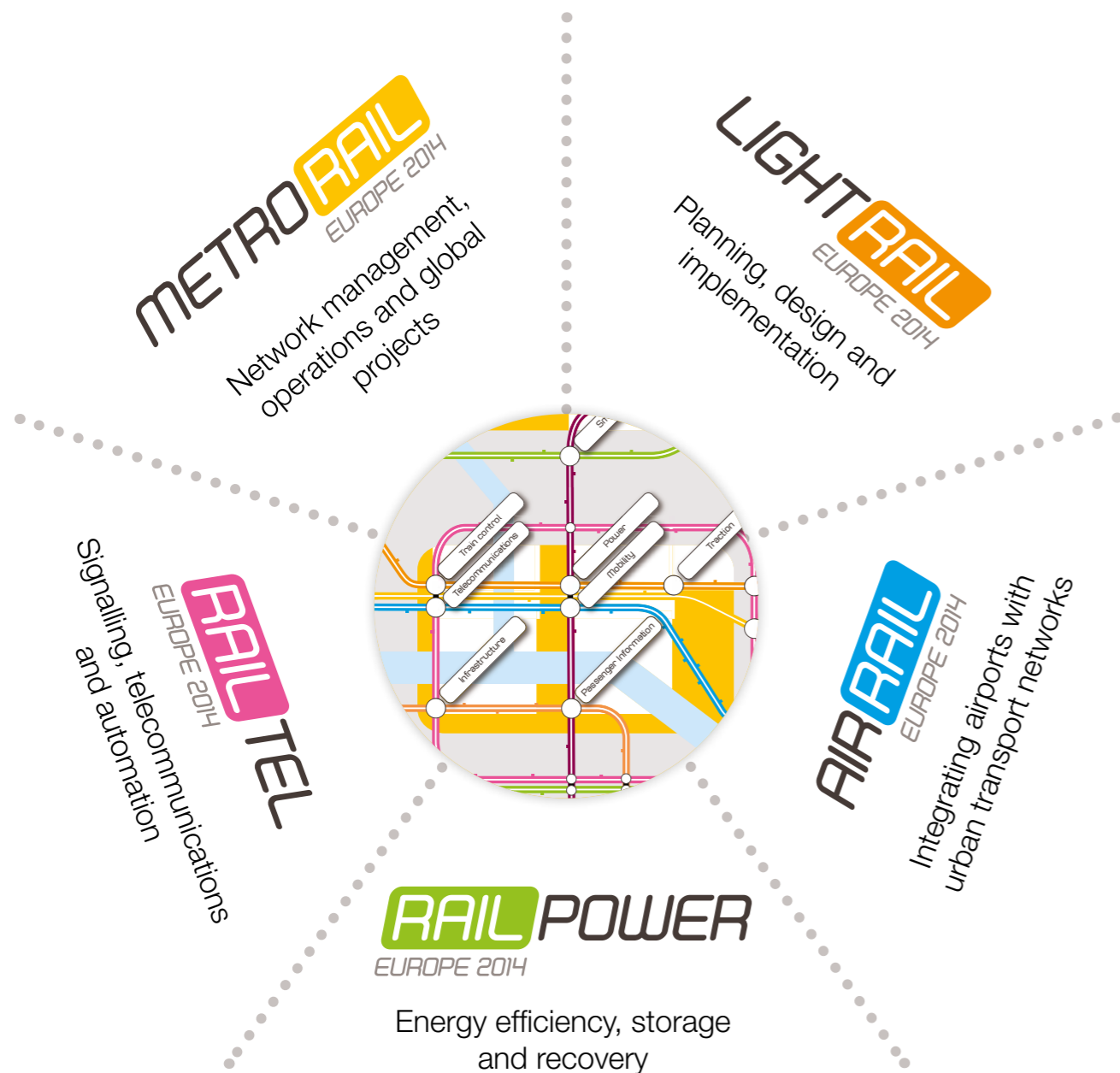
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**terrapinn**  
use your brain

# It's all about urban transit

As cities and passenger numbers grow, urban transport is becoming increasingly connected. Building on 10 years of MetroRail, we're expanding with new sessions to help you cover every aspect of urban rail in just two days. No matter where your interest lies – light rail, metros or infrastructure – we have content, networking and new partners for you.

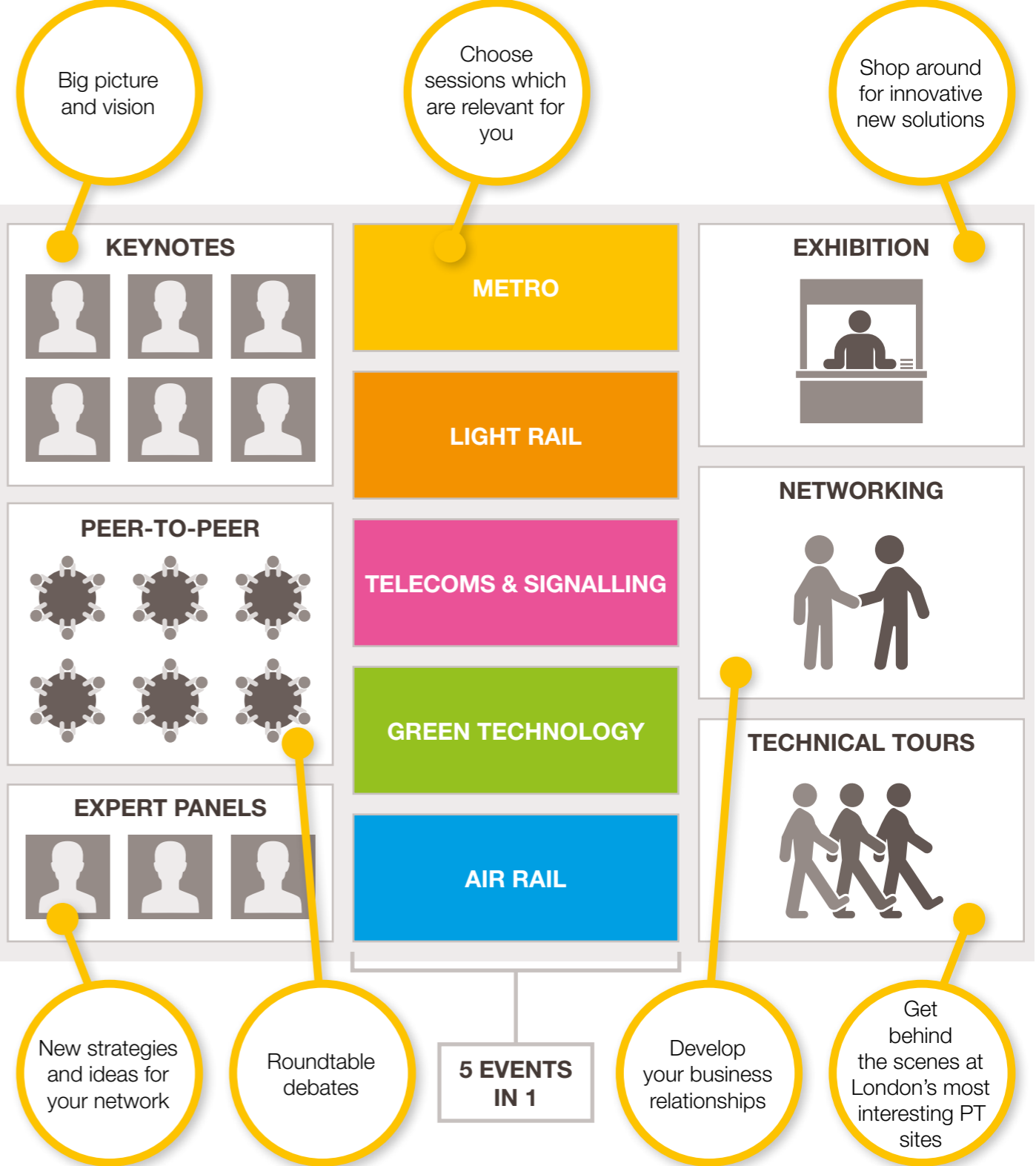


[www.terrapiinn.com/urbanrail](http://www.terrapiinn.com/urbanrail)

# Your congress, your way

It's not just about great content. The size, structure and senior audience of this event allow you to actively engage with new developments and people in the field, and develop business relationships. Take part in 1-2-1 partnering, peer-to-peer brainstorms, ground-breaking case studies and source new technologies on offer – all on one ticket. With five co-located events you can be assured of both content and people relevant to your business.

*Booking early will save you more, check the website for the best offers*





**Terry Morgan**  
Chairman, **Crossrail**

Terry Morgan took over the role of Chairman of Crossrail on 1 June 2009. Crossrail is a £14.9bn project, sponsored by the DfT and TfL. Hear first hand from Terry how the project is proceeding to date and how they are overcoming emerging challenges.



**Peter Dijk**  
CEO, **Amsterdam Metro**

Peter Dijk has extensive experience in managing extensive and complex projects with great social relevance and impact, such as 'Betuweroute', a newly built freight railway from Rotterdam Harbour to Germany. He has been CEO of Amsterdam Metro since 2012. Get first hand advice from Peter on asset management and overcoming the construction challenges on the Amsterdam Metro Project.



**Mike Brown**  
Managing Director, **Transport for London**

In November 2010 Mike became Managing Director for Rail at TfL, which along with DLR, Overground and Trams, now includes the Cable Car. He led the delivery of transport for the Olympic and Paralympic Games in 2012. Watch as he speaks to the BBC's Nicholas Owen about TfL's new technology adoption plans, including ground-breaking ticketing and passenger communications strategy.



**Ibrahim K. Kutubkhanah**  
CEO, **Jeddah Metro**

Engr. Ibrahim is currently the CEO at Metro Jeddah, the newly formed Government Company undertaking Jeddah integrated transportation model implementation. This company is responsible for the design, construction, test, commission and operate/maintain LRT, commuter trains, buses and water ferries. Listen to the development plans roll-out and understand where the opportunity lies in this rapidly developing region.



**Pierre Mongin**  
Chairman & CEO, **RATP**

Chairman and CEO of the RATP Group since July 12th 2006, Pierre Mongin spent most of his career in the French civil service, mostly in prefectures (regional administrations) and government departments. Understand RATP's plans for development in the Paris market, and what they plan for continued success.



**Andrew Bata**  
CSO, **New York City Transit**

Andrew Bata is Chief Officer of Strategic Improvements and Best Practices for MTA New York City Transit. In this role he focuses on comprehensive assessments of technology needs and developing practical solutions for deployment. Join Andrew's global project round table to meet face to face with one of the project leaders bringing better passenger experience to the New York subway.



**Andy Byford**  
CEO, **TTC** (Toronto)

Andy Byford was appointed Chief Executive Officer of the Toronto Transit Commission in March, 2012. He is responsible for the day-to-day operations of the largest transit agency in Canada, and the third largest in North America, carrying over 500 million riders on an annual basis. In his first appearance at MetroRail, understand how he plans to create a more forward-thinking and modern transport authority for Toronto.



**Dan Grabauskas**  
CEO, **HART** (Honolulu)

Daniel Grabauskas is executive director and CEO of the Honolulu Authority for Rapid Transportation, where he oversees the construction of Honolulu's new \$5.2-billion rail system. When the system opens in 2019, it will be the first driverless light metro system in the United States. Get Dan's insight into the opportunities offered by the project, and delivery plans.



**Ramon Canas**  
CEO, **Metro De Santiago**

Ramon Canas is Chief Executive Officer for Metro de Santiago in Chile. Hear Ramon explain Santiago's plans to implement an intelligent metro system that enables a better passenger experience.



**Duncan Cross**  
Deputy Director Operations, **London Overground & Crossrail**

Duncan is currently leading the development of passenger train services for Crossrail and the creation of a World Class railway. He is also responsible for the safe operation of London Overground's East London Line and for the operational expansion of the London Overground network. Get his insight into how Crossrail is implementing a ground-breaking communications network converging CBTC and ETCS.



**Didier Bense**  
Board Member, **Société du Grand Paris**

Didier Bense is a member of the executive board of the Societe Du Grande Paris which is responsible for the design and implementation of the Grand Paris Metro Scheme. The project aims to create a new automatic metro network and contribute to the urban development of Paris. Get Didier's insight into overcoming challenges in construction of the project, and where he sees potential growth in the future.



**Peter Cushing**  
Metrolink Director, **Transport for Greater Manchester**

Peter has worked with TfGM's Metrolink team on a long-term but interim basis, overseeing existing day-to-day operations during the current £1.4 billion expansion programme. As the Metrolink Director, he oversees one of the UK's most active and rapidly evolving tram networks. Join Peter to hear how the network is expanding to serve increasing capacity in Manchester.



**Anne-Grethe Foss**  
Deputy Chief Executive, **Metroselskabet** (Copenhagen)

Anne-Grethe Foss, the 'mother of the Metro in Denmark'. Educated as an architect, she is influential in the design and development of new lines including the coming City Ring with 17 new stations and additional connections to Nordhavnen and Sydhavnen. This year at MetroRail, Anne brings her expertise to discussions around metro automation and driverless adoption.



**Geoff Inskip**  
CEO, **Centro** (Birmingham)

Geoff Inskip is Chief Executive at Centro-WMITA and a Director General at the Passenger Transport Executive Group. He has over 20 years experience in the finance, rail and public transport sectors. With HS2 imminent in the UK, hear how Centro are planning to integrate LRT with the new high speed line.



**Aurelio Rojo Garrido**  
Secretary General, **Alamys**

As Secretary General of ALAMYS, Aurelio brings considerable knowledge of Spanish and Latin American public transport networks to the event. Get an update on the most exciting new developments in these regions and understand where future opportunities lie.



**David Potter**  
Chief Engineer, **Eko Rail** (Lagos)

David is an experienced railway director and professional engineer. His most recent project involves the planning, development and roll-out of Eko Rail in Lagos. Hear how he plans to build a cost-effective network in this challenging environment, and where the opportunity lies for the urban rail community.

**08:00** **Doors, open, registration commences**  
While participants get coffee, tea and croissants, there is the opportunity for networking around "Birds of a Feather" tables

**09:10** **Chairman's opening remarks**  
**Nicholas Owen**, Journalist, Presenter and Rail Enthusiast, **BBC News**

**DRIVING EUROPE'S URBAN RAIL DEVELOPMENT**

**09:20** **Keynote interview with Terry Morgan, Chairman at Crossrail**  
Terry Morgan speaks with Nicholas Owen about development of the Crossrail network, and where the future opportunities are in London.

**09:40** **Keynote interview with Mike Brown, Managing Director at TfL**  
Mike Brown talks with Nicholas Owen about Transport for London's technology adoption plans including new ticketing and passenger communications strategy.

**10:00** **Keynote interview with Pierre Mongin, CEO at RATP**  
Pierre Mongin speaks with Nicholas Owen about development of the Paris Metro and views on future technology.

**10:30** Networking break

**11:30** **TECHNOLOGY ROUNDTABLES**

Do you know what technology works best for your metro in certain areas? We have 18 senior level tables hosted by specialists on each type of technology discussed. As a table participants are requested to brainstorm and produce their suggestions on what technology would work best for them. If you would like to lead a table please contact Philip Kwok on philip.kwok@terrapinn.com

**RAILTEL: SIGNALLING & TELECOMMUNICATIONS**

<b>1</b> Automation/Driverless <b>BOMBARDIER</b> the evolution of mobility	<b>2</b> CBTC & ETCS	<b>3</b> GOA4 <b>HITACHI</b> Inspire the Next
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**ASSET MANAGEMENT**

<b>4</b> MRO Monitoring & Diagnostics <b>ALSTOM</b>	<b>5</b> Operational Mobility	<b>6</b> Data Sharing
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**SAFETY & SECURITY**

<b>7</b> Data Security	<b>8</b> Passenger Safety <b>SIEMENS</b>	<b>9</b> Anti-terror
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**PASSENGER EXPERIENCE & INFORMATION**

<b>10</b> AirRail: Connecting with airports	<b>11</b> Passenger Information <b>SIEMENS</b>	<b>12</b> Social Media
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**TICKETING**

<b>13</b> Customer Centric Ticketing	<b>14</b> Payment Technologies	<b>15</b> Smart City
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**RAIL POWER: GREEN TECHNOLOGY**

<b>16</b> Energy Efficiency <b>SIEMENS</b>	<b>17</b> Energy storage and recovery	<b>18</b> Reducing power consumption
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11:30






**13:00** Networking lunch

**SESSION BREAK-OUTS**

	<b>AUTOMATION / DRIVERLESS</b>	<b>URBAN EXPANSION &amp; INTEROPERABILITY</b>	<b>RAILTEL</b>
<b>14:00</b>	 <b>The Honolulu Rail Project – delivering a driverless metro for the future</b> <b>Dan Grabauskas, CEO, HART</b>	 <b>Expanding the Manchester Metrolink</b> <b>Peter Cushing, Director, Metrolink Manchester</b>	 <b>Creating a communication network for Europe's largest infrastructure project</b> <b>Duncan Cross, Deputy Director Operations, London Overground &amp; Crossrail</b>
<b>14:20</b>	Speaking slot available, to participate please contact philip.kwok@terrapinn.com	 <b>Building for the future, integrating your LRT with a new high speed line</b> <b>Geoff Inskip, CEO, Centro</b>	 <b>Deploying new CBTC technologies in complex operational environments</b> <b>Karl Dodsworth, Chief Engineer London Underground ATC Upgrade, Bombardier</b>
<b>14:40</b>	<b>Panel Discussion: What are the main challenges in automating your metro and will all metros eventually adopt automation?</b> <b>Anne-Grethe Foss, Deputy Chief Executive, Metroselskabet</b> <b>Pierre Mongin, CEO, RATP</b> <b>Dan Grabauskas, CEO, HART</b>	 <b>Delivering the largest LRT expansion in the history of Toronto</b> <b>Bruce McCuaig, CEO, Metrolinx (Toronto)</b>	 <b>Deploying TETRA for Rail Signalling and Transport Communications</b> <b>Marta Fontecha, Business Development – Transport Division, Teltronic</b>
<b>15:00</b>		 <b>Case studies: proven references in urban transport</b> <b>Nick Watson, Sales Director, Rail Systems, Siemens</b>	 <b>Case study: implementing CBTC for on-time delivery</b> <b>Mircea Georgescu, Project Strategy Manager, Thales</b>

**15:20** Networking break

**SESSION BREAK-OUTS**

	<b>CUSTOMER EXPERIENCE/SAFETY &amp; SECURITY</b>	<b>NEW PROJECTS/TECHNOLOGY</b>	<b>RAILTEL</b>
<b>16:00</b>	 <b>How TfL are using Contactless Payments to enhance the customer experience</b> <b>Shashi Verma, Director of Customer Experience, TfL</b>	<b>Creating a catenary free tram system for the 2016 Olympics</b> <b>Claudio Andrade, Director, VLT Rio</b>	<b>Using LTE on metros to enhance the user experience</b> Representative from <b>STM</b>
<b>16:20</b>	<b>Enhancing passenger safety on the platform</b> Joint presentation: <b>Nuremberg U-Bahn &amp; Honeywell</b>	 <b>Completing a first world metro in Lagos</b> <b>David Potter, Chief Engineer, Eko Rail</b>	 <b>Connecting smart urban public transport</b> <b>Wolfgang Leindecker, VP M2M &amp; Public Transport, Kapsch</b>
<b>16:40</b>	<b>Strategies for Maximising Value for Operators</b> Representative from <b>Focon</b>	<b>Case Study: benefits using Axle Counters in Mass Transit</b> Representative from <b>Frauscher</b>	<b>Panel Discussion: TETRA vs GSM-R vs LTE vs Wimax – what is the future and how can we effectively integrate it?</b> Representative from <b>STM</b> <b>Marta Fontecha, Business Development – Transport Division, Teltronic</b> <b>Duncan Cross, Deputy Director Operations, Crossrail and London Overground</b>
<b>17:00</b>	 <b>Implementing an intelligent metro security system that enables a better passenger experience</b> <b>Ramon Canas, CEO, Metro de Santiago</b>	 <b>Using air-rail links to improve the passenger experience</b> <b>John Morris, Public Affairs Director, Birmingham Airport</b>	


**17:20** **Innovation Lab Dragons Den Challenge**  
We invite innovative rail professionals who are developing new technologies to present their solutions/ideas to senior rail executives who will judge who has the most promising innovations. Let's see who survives the den!

**18:00** Retro Metro: Swinging 60's Party

09:00 Conference doors open

09:10 Chairman's opening remarks

**THE FUTURE OF INTEGRATED URBAN TRANSIT**

09:20  **Creating a more forward thinking and modern transport authority for Toronto**  
**Andy Byford, CEO, TTC (Toronto)**

09:40  **The challenges in creating a fully integrated mass transit system for Jeddah**  
**Ibrahim K. Kutubkhanah, CEO, Jeddah Metro**

**10:00 GLOBAL PROJECT ROUNDTABLES**

Do you want to hear about the latest metro and LRT projects happening around the world? This round table session features senior executives from those projects discussing some of the latest developments and the key challenges they're facing.  
 To suggest a global project please contact Daniel Boyle at [daniel.boyle@terrapinn.com](mailto:daniel.boyle@terrapinn.com)

**MIDDLE EAST**

 <b>PROJECT: Jeddah Metro</b>	 <b>PROJECT: Riyadh Metro</b>
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**SOUTH AMERICA**

 <b>PROJECT: Metro De Santiago</b>	 <b>PROJECT: Rio</b>
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**NORTH AMERICA**

 <b>PROJECT: New York City</b>	 <b>PROJECT: Ottawa (LRT)</b>	 <b>PROJECT: Montreal</b>	 <b>PROJECT: Toronto (LRT)</b>
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**EUROPE**

 <b>PROJECT: Manchester (LRT)</b>	 <b>PROJECT: Amsterdam</b>	 <b>PROJECT: Crossrail</b>
 <b>PROJECT: Copenhagen (LRT)</b>	 <b>PROJECT: Newcastle Metro</b>	 <b>Birmingham (LRT)</b>

**AFRICA**

 **PROJECT: Lagos Metro**



10:10


11:30 Networking break

**SESSION BREAK-OUTS**

**INFRASTRUCTURE & ASSET MANAGEMENT**

**RAIL POWER**


12:00  <b>Overcoming construction challenges and managing stakeholders on the Amsterdam Metro Project</b> <b>Peter Dijk, CEO, Amsterdam Metro</b>	 <b>Ticket to Kyoto – Analysing advancements in braking energy recovery</b> <b>Francois Olivier Devaux, European Project Manager, STIB</b>
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12:20  <b>The Grand Paris Metro: A global project</b> <b>Didier Bense, Board Member, Société du Grand Paris</b>	Speaking slot available, to participate please contact <a href="mailto:philip.kwok@terrapinn.com">philip.kwok@terrapinn.com</a>
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12:40  <b>Leveraging asset data for efficient O &amp; M</b> <b>Franz-Jochim Wegner, Director Transport Services, Alstom</b>	<b>Panel Discussion: Exploring lessons learned from Ticket To Kyoto so far</b> <b>David Hytch, Information Systems Director, Transport for Greater Manchester</b> <b>Jan Smit, Technical Specialist, RET (Rotterdam)</b> <b>Francois Olivier Devaux, European Project Manager, STIB</b> <b>Andrew Gray, Power Engineer, Transport for London</b>
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13:00 <b>Reducing risks for metro operators: RAM/LCC as metro procurement criteria</b> <b>Thomas Siegemund, Director Product Management Mass Transit, Bombardier</b>	
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13:20 Networking lunch

14:40  **Advanced Traffic Management for Strategic Railway Control**  
**Alistair Dormer, Chairman & CEO, Hitachi Rail**

**The future of Urban Transit:** We host a one on one interview session with CEOs from Operators and asks them how they envision the future of the industry?  
 Interviewees include:

 <b>Ramon Cañas, CEO, Metro de Santiago</b>	 <b>Peter Dijk, CEO, Amsterdam Metro</b>
 <b>Ibrahim K. Kutubkhanah, CEO, Jeddah Metro</b>	 <b>Andy Byford, CEO, TTC</b>

16:00 **Full Summary of Metrorail 2014:** we certainly had a lot for you to digest this year, if you did miss anything we will be summarising some of the key findings from this year's discussion.

16:30 Brief break

16:45 **Technical tours: congress participants have the opportunity to participate in one of 5 technical tours. Tours last approximately 1.5 hours.**  
 Crossrail tour of key sites  
 Tour of Kings Cross St Pancras redevelopment  
 Victoria Control Centre  
 For more information please contact Daniel Boyle at [daniel.boyle@terrapinn.com](mailto:daniel.boyle@terrapinn.com)

# There's more to 2014

In addition to great content, this year's event is built around your personalised networking schedule. With over 400 urban rail professionals in attendance, here are some of the ways you can meet them...



## Download our networking app

Download our networking app to get organised and get in touch with all attendees before the event.

### Use the Total Rail portal to:

- Plan your sessions
- Build a personalised agenda
- Identify exhibitors to visit
- Set up onsite meetings with key executives
- Network with other attendees

Keep all your messages, appointments and favourites at your fingertips and continue networking whilst you're there. You can still use the networking tool within the app for a full year after the event so you can follow up with anybody you've missed months down the line.



## Your networking manager

Putting the right people in touch! The dedicated Networking manager works closely with top sponsors and metro/public transport operators to set up private meetings or introductions onsite. Contact us to find out how to make the most of this service and take the chance out of securing those vital business opportunities.

**Cally Archibald**



## Dragon's Den

We invite innovative rail professionals who are developing new technologies to present their ideas to senior rail executives who will judge the most promising solutions. Let's see who survives the den!



## Innovation Lab

What will public transport look like in 50 years time? What new ideas are coming out of today's urban design programmes that could potentially revolutionise future transportation? Find out in our brand new Innovation Lab onsite!



## Technical tours

A popular staple of this event, and always booked out early! Congress participants have the opportunity to join one of our exciting technical tours to some of London's most interesting public transport sites.



## Retro Metro: Back to the Swinging Sixties!

6-8pm, Tuesday 1st April

This year we're transporting you back in time to London's flower-power era, swinging baby! Not only did the 1960's see the arrival of the city's iconic Routemaster buses and the opening of the Victoria line, it was also an era that knew how to party. Join us and your peers for some cool tunes, hot entertainment and a night of networking you don't want to miss!



# The Exhibition

## 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

## Why exhibit?

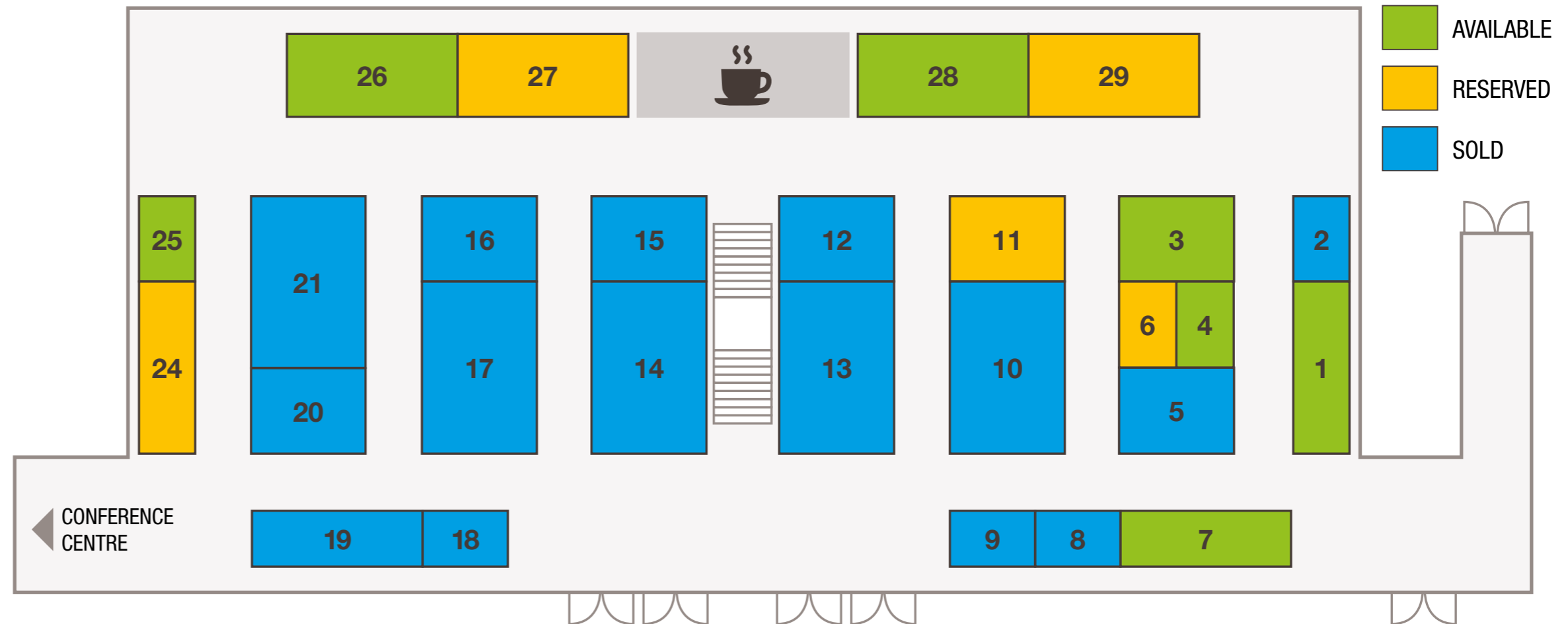
With a focus on bringing a senior delegation of buyers and encouraging high level networking, we can promise fantastic ROI on your involvement this year.

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

That's not all on offer. Bespoke packages include access to our executive partnering programme, speaking on the main stage and leading round table discussions to make sure you get the exposure which is right for you.

## Who you will meet

MetroRail brings together rail operators, infrastructure companies and municipal transport authorities to meet with top industry vendors. Whether you want to meet new prospective clients or develop existing relationships this is a great forum for you to make your expertise known in urban rail.



## Who should sponsor?

With 5 events in 1, our buyers are looking for a whole host of solutions, from:

- Planning
- Design and construction
- Project management
- Rolling stock
- Signalling technology
- Telecommunications
- Power solutions
- Asset management
- Scheduling software
- Ticketing solutions
- Passenger Information and IT

Company	Stand
Alamys	2
Alstom	21
Bombardier	17
Focon	19
Frauscher Sensor Technology	16
Giro	15
Green Hills	18
Hitachi	14

Company	Stand
Honeywell	20
Kapsch	5
Newbury Data	8
Siemens	13
Tagmaster	9
Teltronic	10
Thales	12

## Who else is there?

In its biggest year yet, 2014 sponsors include:



Limited sponsorship opportunities are still available. To sponsor call: Philip Kwok on +44 (0) 20 7092 1125 or email philip.kwok@terrapinn.com



# What to expect from 2014

## Meet 200 operators and transport authorities

In 2014 we're inviting even more rail operators, infrastructure companies and public transit authorities to join us. They're coming to get new ideas, meet with the industry and keep up to date with latest trends.

## Participating companies include:

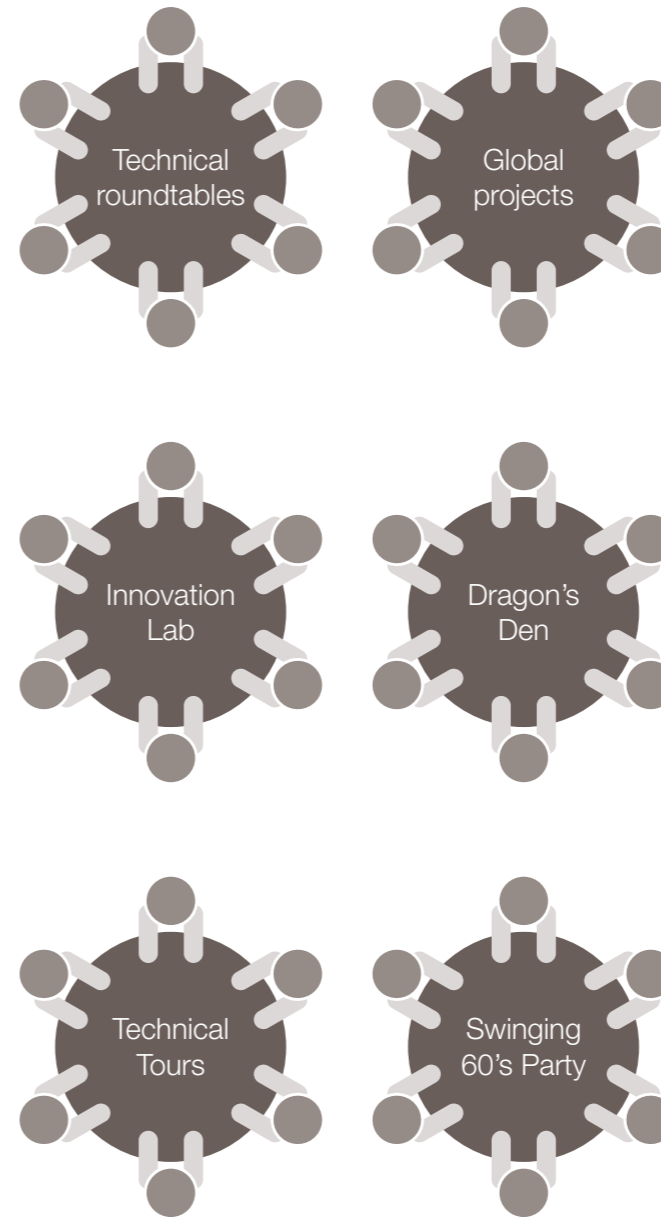


## 50 leading suppliers including



## Interaction

It's all about interaction. It's not just about sitting in a conference room for a few days, this is your chance to get interactive, get your questions answered and get networking!



**400** FOUR HUNDRED ATTENDEES

**200** TWO HUNDRED OPERATOR EXECUTIVES

**50** FIFTY NEW TECHNOLOGIES ON SHOW

**40** FORTY ROUNDTABLE DEBATES

**10** OVER TEN HOURS OF DEDICATED NETWORKING TIME

**5** FIVE EVENTS

**2** TWO GREAT DAYS

**1** BIG IDEA = ROI  
**BOOK NOW**



# 10 reasons to attend

- 1 Meet brand new participants from RATP, Crossrail, Toronto, Honolulu, Jeddah and more
- 2 Source the most exciting new technology in urban transit with 18 dedicated round tables
- 3 Understand adoption of automation from experienced existing driverless systems and planned systems alike
- 4 Explore best practice in integrating urban rail with air-rail links
- 5 Learn how to get the most out of your CBTC and signalling systems
- 6 Attend global project round tables to find out the latest urban rail developments from around the world
- 7 Understand what the latest advancements are in brake recovery and identify which systems are best suited for you
- 8 Hear how cities like Paris & Amsterdam are handling massive construction challenges while managing stakeholder needs
- 9 Take advantage of our 1-2-1 partnering to make new business relationships
- 10 Enjoy a brand new format designed to improve your onsite networking

Limited sponsorship opportunities are still available. To sponsor call: Philip Kwok on +44 (0) 20 7092 1125 or email [philip.kwok@terrapinn.com](mailto:philip.kwok@terrapinn.com)

## Reserve your place today



The earlier you book the more you'll save.

It's really easy to book your place online.

And our online calculator will ensure you take advantage of the best deal.

Go to and book now on [www.terrapinn.com/urbanrail](http://www.terrapinn.com/urbanrail)

Don't forget to enter special code BD2014 to claim the Early Bird discount.



**Register now and get the offer price - on your phone**

Scan this QR pattern with the camera on your smartphone and register with a discount code BD2014 at the special offer price.

Don't have a QR reader app? You can download one for free from App Store. Don't have a smartphone? You can also register and get the offer on our website [www.terrapinn.com/urbanrail](http://www.terrapinn.com/urbanrail)

**BOOK NOW**

Go to [www.terrapinn.com/urbanrail](http://www.terrapinn.com/urbanrail) and book with a special discount code BD2014

or call +44 (0) 207 242 2324

Delegate Booking		
Package	Before 21 Feb 2014	Final Price
2 day conference	£2,095 <b>SAVE £895</b>	£2,990

VAT is charged at the current rate and is subject to VAT legislative changes. All bookings will be invoiced at the rate applicable when the booking is made.

**BRING YOUR TEAM**

There's so much great content, you can't possibly cover it all alone! Bring your team and get an extra discount.

There are special group packages available call +44(0) 207 242 2324 for more details or go to [www.terrapinn.com/urbanrail](http://www.terrapinn.com/urbanrail)

# 2014 SPONSORS

## Supporting Partners



## Sponsors



## Exhibitors



## Media Partners



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