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THE ANNUAL MEETING PLACE FOR THE GLOBAL CBTC INDUSTRY



Khoo Hean Siang
Executive Vice President - Trains
SMRT



Carlos Rodriguez Sanchez
CBTC Project Leader
Metro de Madrid



Hugh Bridge
Engineering
London Underground



George Hacken
Senior Director Vital Systems
NYCT



Jesus Peieto
Senior Signalling Engineer
Metro de Caracas



George Nagel
Signalling and Train Control
Project Manager
Amsterdam Metro



Anne-Grethe Foss
Chief Operations Officer
Metroselskabet



Lutfu Akcil
R&D Project Coordinator
Istanbul Ulasim

BRAND NEW SPEAKERS AND SESSIONS FOR 2012

- Uncover the future of CBTC deployments beyond metros with unique presentations from **Crossrail** and **Sao Paulo Metro**
(See page 4 for the keynote session on beyond metros: why choose CBTC?)
- Enhance the lifecycle of your CBTC system and reduce operating costs with case studies from **Stockholm Metro, Keolis and Warsaw Metro**
(See page 7 for the dedicated session on reducing costs and preventing obsolescence)
- New and improved third day workshops on driverless technology and enhancing collaboration with two exclusive site visits to Amsterdam metro
(See page 8 for the full conference experience)
- Meet over 350 experts with our unique roundtables networking breaks, pre-registration drinks reception and exclusive party, maximising interaction
(See page 9 for our audience profile and for further details)



GLOBAL
TRANSPORT
FORUM

“Great opportunity for networking with other CBTC project leaders and hearing about all the latest projects.”

Fabio Tadeu Alves, Senior Signalling Engineer, Sao Paulo Metro

Event Partner



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THE ONLY GLOBAL EVENT DEDICATED TO CBTC

Following the huge success of the second annual **CBTC World Congress** in Stockholm, **Global Transport Forum** will once again bring together over 350 leading CBTC experts from around world for the 2012 event in Amsterdam. With all new sessions including enhancing integration and reducing lifecycle costs and over **40 specialist speakers** including experts from SMRT, LTA, NYCT, RATP and Dubai metro, the congress is bigger and more innovative than ever before. **The launch of the CBTC User Group**, unique breakout streams and live audience polls will ensure a unique and interactive learning experience.



“ I found the event an excellent overview of present initiatives and progress with major projects in the CBTC area. ”

Karl Dodsworth, MTR Hong Kong

KEY TOPICS

The conference has been devised with our expert advisory board including Metroselskabet, Turin Metro, NYCT and RATP to meet the most pressing industry challenges. Key topics include:

- **Optimising CBTC operations** (see page 4)
- **The business case for CBTC beyond metros** (see page 4)
- **Improving energy efficiency** (see page 5)
- **Enhancing systems integration** (see page 5)
- **Reducing lifecycle and preventing obsolescence** (see page 7)
- **Increasing safety and the need for backup systems** (see page 5)
- **Future legislation and developing standardisation**
- **Effective project management** (see page 6)
- **Enhancing passenger experience** (see page 5)

KEY REASONS TO ATTEND

- 1 Increase ROI by maximising the lifecycle of your system and reducing the costs associated with obsolescence.
- 2 Hear key insights from our exclusive CBTC User Group, to optimise performance and increase ridership.
- 3 Reduce costs related to back-up systems, with a dedicated session analysing the business case and operational impact.
- 4 Maximise interaction through dedicated networking sessions, our unique roundtable format and the Global Transport Forum Birthday party
- 5 Gain practical hands-on examples of the theory with a unique site visit to the GVB control centre and construction of NZL.
- 6 Uncover the future of CBTC deployments with the growth of the monorail and mainline commuter trains opting for CBTC.

“ A unique opportunity to network with CBTC professionals world wide, to share experiences and pull knowledge about the latest world class developments and solutions ”

Phil Bartlett, Rail Signalling Lead, Europe, Booz & Company

BRAND NEW FOR 2012



MAXIMISE ROI AND EXTEND THE LIFECYCLE OF YOUR CBTC SYSTEM

Reduce the total cost of ownership, improve maintenance strategies and prevent obsolescence with a brand new strategic session dedicated to maximising lifecycle and increasing cost-effectiveness with case studies from **AB Storstockholms Lokaltrafik**, **Keolis**, **Warsaw Metro** and **Alstom Transportation**.

(See page 7)



EXCLUSIVE SITE VISITS TO AMSTERDAM METRO AND IN-DEPTH WORKSHOPS TO MAXIMISE VALUE

Get the full conference experience and benefit from our unique third day workshops and site visits. A choice of two technical workshops maximises interaction and allows you to get your key questions answered by subject leaders. Our unique site visits to GVB Control Centre and the construction of the NZL give delegates a first-hand look at the latest industry projects and provides a live example of the issues discussed over the first two days. (See page 8)



GLOBAL TRANSPORT FORUM BIRTHDAY PARTY PROVIDES EXTENSIVE NETWORKING OPPORTUNITIES

With dedicated networking breaks, a pre-registration drinks reception on the 5th November and the 2012 Global Transport Forum party on the 6th November, this year's conference provides more business development opportunities than ever before. We would like to extend to you all an invitation to come and join us for a unique and memorable evening immediately following the first day of the event with full details available shortly. (See page 9)

OPTIMISE CBTC PERFORMANCE WITH UNIQUE INSIGHTS FROM OUR GLOBAL CBTC USER GROUP


Our new CBTC User Group responds to the need highlighted by our advisors for CBTC operators to come together on a more regular basis to define solutions to implementation and operational challenges. We hold User Group meetings throughout the year with regional groups in Europe, Asia, Latin America, USA and MENA. The 2012 World Congress represents the launch of this group, with a dedicated session for User Group members including LTA, SMRT and Metro de Caracas on what they want from CBTC and how to achieve operational success.


Supporters:



KEY SPEAKERS AT CBTC WORLD CONGRESS 2012

 **Lutfu Akcil**
R&D Project
Coordinator
Istanbul Ulasim

 **Duncan Cross**
Deputy Director
Operations
Overground and
Crossrail, Transport
for London

 **George Hacken**
Senior Director,
Vital Systems
NYCT

 **Neil Morris**
Head of Engineering
Dubai Metro (Serco)

 **Dorota Popinska**
Chief Financial
Officer
Warsaw Metro

 **Daniele Bozzolo**
Chairman
CENELEC European
Committee for
Electrotechnical
Standardization


 **Alberto Forchino**
Head of Special
Engineering Projects
Turin Metro


 **Khoo Hean Siang**
Executive Vice
President – Trains
SMRT


 **George Nagel**
Signalling and Train
Control Project
Manager
Amsterdam Metro

 **Roelf Post**
Program Manager
ICT
Municipality of
Amsterdam


 **Hugh Bridge**
Engineering
Management
London
Underground


 **Pier Galileo La Scala**
Head of Exploitation
and Operations
Turin Metro


 **Klavs Hestbek Lund**
Project Director
Metroselskabet

 **Kimmo Reiman**
Project Manager,
Metro Automation
HKL

 **Jesus Prieto**
Senior Signalling
Engineer,
Metro de Caracas

 **David Briginshaw**
Editor-in-Chief
International
Railway Journal

 **Agnelo Gomes**
Project Engineer
Metro de Sao Paulo


 **Krister Jonsson**
Head of Electricity
& Signalling
AB Storstockholms
Lokaltrafik


 **Carlos Rodriguez Sanchez**
CBTC Project Leader
Metro de Madrid

 **Fabio Tadeu Alves**
Senior Signalling
Engineer
Metro de Sao Paulo

 **Ricardo Cárdenas**
CBTC Project
Manager
Metro de Santiago

 **Anne-Grethe Foss**
Chief Operations
Officer
Metroselskabet

 **Philippe Leguay**
International Urban
Rail Systems
Transport Director
Keolis

 **Aurelio Rojo Garrido**
General Secretary
ALAMYS

 **Sim Wee Meng**
Group Director
LTA

CONFERENCE DAY ONE **TUESDAY 6 NOVEMBER 2012**

08:00 Registration and networking breakfast

CONFERENCE OPENING

08:50 **Global Transport Forum welcome and opening remarks**
Dan Loosemore, Head of Production, **Global Transport Forum**
Alex Williamson, Managing Director, **Global Transport Forum**

1. KEYNOTE SESSION: BEYOND METROS: WHY CHOOSE CBTC?

BUSINESS CASE SESSION

Session moderator:

George Nagel, Signalling and Train Control Project Manager, **Amsterdam Metro**


Moderator introduction and session topics

- Understanding the business case for CBTC deployments on railways and urban lines
- Justifying CBTC deployments and assessing the operational and cost advantages VS ERTMS systems
- Utilising CBTC systems to enhance capacity, throughput, flexibility and safety
- Successful technology selections and overcoming interoperability challenges on urban and mainlines

09:05 **Railway keynote address: The business case for CBTC and successfully integrating the system with ERTMS deployments**
Duncan Cross, Deputy Director Operations, Overground and Crossrail, **Transport for London**

09:20 **Monorail keynote address: Utilising CBTC to enhance capacity, improve service and increase revenue**
Fabio Tadeu Alves, Senior Signalling Engineer, **Metro de Sao Paulo**

09:35 **Event partner keynote address: CBTC: A key enabler to intelligent transport systems**
Stephane Feray-Beaumont, Product Group Director, **GE Transportation**

09:50  **Audience poll: Can CBTC technology work successfully on mainline rail networks?**

09:55 **Panel debate: The future of CBTC and the potential for CBTC deployments to enhance performance on non-metro lines**
Mike Stubbs, Director Operations, Overground and Crossrail, **Transport for London**
Duncan Cross, Deputy Director Operations, Overground and Crossrail, **Transport for London**
Stephane Feray-Beaumont, Product Group Director, **GE Transportation**
Fabio Tadeu Alves, Senior Signalling Engineer, **Metro de Sao Paulo**

10:25 Moderator's concluding summary of the session

10:30 Networking coffee 

2. STRATEGIC SESSION: CBTC USER GROUP: OPTIMISING CBTC OPERATIONS

USER GROUP


User Group chairman:

Krister Jonsson, Head of Electricity & Signalling, **AB Storstockholms Lokaltrafik**

11:15 **Key Speakers in optimising CBTC operation**
Anne-Grethe Foss, Chief Operations Officer, **Metroselskabet**
Khoo Hean Siang, Executive Vice President, **Trains, SMRT**
Sim Wee Meng, Group Director, **LTA**
Jesus Prieto, Senior Signalling Engineer, **Metro de Caracas**

12:00  **Audience poll: Can effective collaboration during the planning and implementation phase help to reduce costs and improve long-term performance?**

12:05 **CBTC User Group forum: Best-practice in implementing CBTC systems and enhancing collaboration to reduce costs and delays.**

12:20  **Audience poll: What is the single most important benefit that CBTC systems offer operators?**


12:25 **CBTC User Group forum: Best-practice in operating CBTC systems to reduce delays, minimise operational costs, improve performance and increase revenue**

12:40 Moderator's concluding summary of the session

12:45 Networking lunch 

3. STRATEGIC AND TECHNICAL STREAMED BREAKOUT SESSIONS

Moderated and led by subject experts, the breakout sessions work as an intimate workshops, providing delegates with the opportunity not only to learn from case studies but also to debate and examine the issues raised in an informal setting, maximizing interaction. Sat in roundtable groups of no more than 10, participants will listen to the case studies and in their groups, discuss the questions set by the moderator. At the end of the session each table reports back their findings to the whole group, enabling best practice to be shared.


	A) EFFECTIVE PROJECT MANAGEMENT	B) IMPROVING ENERGY EFFICIENCY	C) ENHANCING PASSENGER EXPERIENCE
14:00	Opening Presentation: Defining effective migration plans and improving collaboration to enhance operational efficiency Hugh Bridge , Engineering Management, London Underground	Moderator opening presentation: Developing energy efficient operations and the impact on cost and performance Thomas Godfrey , Director, Product Management, Bombardier Transportation	Moderator opening presentation: Effectively collaborating with the supplier to offer the best possible service to the passenger Gabriel Colcea , VP Rail Signalling – Urban, Thales Group
14:15	Roundtable group discussion on key questions: <ul style="list-style-type: none"> Defining system needs and ensuring minimal disruption during migration Collaborating with the supplier to reduce delays and ensure optimal long term performance Best practices in managing the testing processes to ensure safe and reliable systems Developing a long-term view that maximises ROI and allows for further applications and future upgrades 	Roundtable group discussion on key questions <ul style="list-style-type: none"> Developing sustainable and green metro networks of the future Lowering operational costs through increased energy efficiency Assessing the potential impact on operations: Will it increase journey time? Creating a strategy that optimises energy savings without reducing speed of operations 	Roundtable group discussion on key questions <ul style="list-style-type: none"> Reducing service delays with CBTC to enhance perceptions of reliability from the public Exploiting the auxiliary functions of CBTC to improve information displays at stations and on metros Deploying real-time information to inform passengers about expected delays and increase satisfaction rates Improve onboard information with live updates and effective PA systems
15:00	Feedback to moderator on key findings		
15:25	Moderator concluding remarks		
15:30	Networking Coffee 		

4. TECHNICAL SESSION: ENHANCING SYSTEMS INTEGRATION

OPERATIONAL PERFORMANCE SESSION

Session moderator:

Kimmo Reiman, Project Manager, Metro Automation, **HKL**

16:15	Moderators Introduction and session topics <ul style="list-style-type: none"> Ensuring safe and effective radio and communication networks to reduce delays and improve reliability Overcoming integration challenges to ensure sub-systems are being deployed effectively Using auxiliary controls to enhance passenger information, CCTV and communications Enhancing data capability and managing all elements of train operation
16:20	Case study: Integrating communication networks to increase reliability of critical communications and ensure fully integrated transport management Kimmo Reiman , Project Manager, Metro Automation, HKL
16:35	Case study: Effective integration of auxiliary and sub-systems to enhance communication networks Roelf Post , Program Manager ICT, Municipality of Amsterdam
16:50	Industry insight: Meeting basic needs and simultaneously deploying innovative applications to reduce cost and improve passenger service José M. Martín , Chief Marketing and Sales Office, Teltronic
17:05	 Audience poll: How important are integrated communication networks not only for critical communications but for enhancing passenger service
17:10	Panel debate: How to successfully deliver a total system to enhance traffic management and reduce costs Kimmo Reiman , Project Manager, Metro Automation, HKL Roelf Post , Program Manager ICT, Municipality of Amsterdam Lutfu Akcil , R&D Project Coordinator, Istanbul Ulasim José Manuel Martín Espinosa , Chief Marketing and Sales Office, Teltronic Dan Filip , Director Business Development, Transportation Solutions, Thales Group
17:40	Moderator's concluding summary of the session

CONFERENCE CLOSE

17:45	Global Transport Forum prize draw, closing remarks and end of day one Dan Loosemore , Head of Production, Global Transport Forum
18:00	Networking drinks reception and Global Transport Forum party (see page 9 for details) 


CONFERENCE DAY TWO WEDNESDAY 7 NOVEMBER 2012**08:00** Registration and networking breakfast**CONFERENCE OPENING****08:50** Global Transport Forum welcome and opening remarks
Dan Loosemore, Head of Production, Global Transport Forum**5. STRATEGIC SESSION: FUTURE LEGISLATION AND DEVELOPING STANDARDISATION****FUTURE DEVELOPMENT SESSION**

Session moderator:

David Briginshaw, Editor-in-Chief, International Railway Journal

09:00 Moderators Introduction and session topics

- What impact would ERA / European Commission directives have on the cost and operation of CBTC systems?
- How can suppliers and operators work together to deliver interchangeable operations and low lifecycle costs?
- Is it possible to set standards for performance and functional CBTC requirements that must be met?
- Would further regulation work to slow deployments and stifle innovation in CBTC technology?

09:05 Case study: Setting standards for performance and the impact of regulation on CBTC deployments and performance
George Hacken, Senior Director, Vital Systems, NYCT**09:20** Industry insight: Working collaboratively with the operator to bring down costs and allow for future advancements
Melih Arpacı, Director Sales, Asian Mass Transit, Siemens AG**09:35** Industry insight: A standard state of the art CBTC for the future: Lessons learned and foundations
Jose Luis Domingo Zayas, Mass Transit Line of Business Director, Invensys Rail**09:50**  Audience poll: Is global standardisation of CBTC systems possible?**09:55** Panel debate: The impact of further regulation on the CBTC industry and the importance of standardisation in creating an improved ROI

Jose Luis Domingo Zayas, Mass Transit Line of Business Director, Invensys Rail

George Hacken, Senior Director, Vital Systems, NYCT

Melih Arpacı, Director Sales, Asian Mass Transit, Siemens AG

Claudio Traverso, Vice President Market Intelligence, Ansaldo STS

Daniele Bozzolo, Chairman, CENELEC European Committee for Electrotechnical Standardization


10:25 Moderator's concluding summary of the session**10:30** Networking coffee **6. TECHNICAL SESSION: INCREASING SAFETY AND THE NEED FOR BACK-UP SYSTEMS****OPERATIONAL PERFORMANCE SESSION**

Session moderator:

Pier Galileo La Scala, Head of Exploitation and Operations, Turin Metro

11:15 Moderator's introduction to the session

- Putting effective safety measures in place to reduce delays and eliminate failures
- Is there still a need for redundancy systems and what is the risk of not having them?
- The impact of fallback systems on operations and maintenance costs and how to reduce these costs
- What is the future of CBTC safety and are fallback systems a necessary part of it?

11:20 Case study: Developing effective testing procedures and evaluating the need for fallback systems on metros
Carlos Rodriguez Sanchez, CBTC Project Leader, Metro de Madrid**11:35** Industry Insight: Utilising CBTC technology to reduce the need and costs for fallback systems whilst improving safety
Antonio Muñoz, Head of CoE, Automated Metro Systems, Bombardier Transportation**11:50** Industry insight: Defining a cost-effective process for certification to reduce costs and ensure reliability
Alexandre Betis, Principal Business Development Manager, Ansaldo STS**12:05**  Audience poll: Are back-up systems essential for any metro network?**12:10** Panel debate: Delivering optimum safety and with CBTC systems and reducing long-term costs

Carlos Rodriguez Sanchez, CBTC Project Leader, Metro de Madrid

Alberto Forchino, Head of Special Engineering Projects, Turin Metro

Antonio Muñoz, Head of CoE, Automated Metro Systems, Bombardier Transportation

Alexandre Betis, Principal Business Development Manager, Ansaldo STS

12:40 Moderator's concluding summary of the session**12:45** Networking lunch 

7. TECHNICAL SESSION: REDUCING LIFECYCLE COSTS AND PREVENTING OBSOLESCENCE

BUSINESS CASE SESSION

Session moderator:

Aurelio Rojo Garrido, Secretary General, **ALAMYS**

14:00	Moderator introduction and session topics	
	<ul style="list-style-type: none"> Defining the total cost of ownership and maximising ROI on CBTC deployments Key ways to reduce maintenance and operational costs, increasing lifecycle and preventing obsolescence Working with the supplier to reduce costs over the whole of the systems life Deploying a CBTC system with the future in mind to ensure future upgrades are cost-effective 	
14:05	Case study: Effective maintenance strategies for CBTC systems to reduce costs and prevent obsolescence	
	Philippe Leguay , International Urban Rail Systems Transport Director, Keolis	
14:20	Case study: The importance of understanding operational needs and assessing future needs to enhance lifecycle and avoid unnecessary costs	
	Krister Jonsson , Head of Electricity & Signalling, AB Storstockholms Lokaltrafik	
14:35	Industry insight: Working collaboratively with the operator to reduce total cost of ownership and enhance all benefits that can be expected from CBTC systems.	
	Thierry Bonnefous , Urban Solution Director, Alstom Transport	
14:50	Audience poll: Can the diagnostic and performance indicators CBTC provides be used to reduce costs and prevent obsolescence?	
14:55	Panel debate: Successfully reducing maintenance and lifecycle costs and maximising ROI with CBTC deployments	
	Krister Jonsson , Head of Electricity & Signalling, AB Storstockholms Lokaltrafik Philippe Leguay , International Urban Rail Systems Transport Director, Keolis Dorota Popinska , Chief Financial Officer, Warsaw Metro Thierry Bonnefous , Urban Solution Director, Alstom Transport	
15:25	Moderator's concluding summary of the session	
15:30	Networking coffee break ☕	

8. INTERACTIVE ROUNDTABLE DEBATE: SHAPING FUTURE CBTC DEVELOPMENTS

A FUTURE INNOVATION SESSION

Session moderator:

Klavs Hestbek Lund, Project Director, **Metroselskabet**

José M. Martín, Chief Marketing and Sales Office, **Teltronic**

16:30	Questions and topics for metro operators to consider <ul style="list-style-type: none"> What do we need from future CBTC systems? Optimising CBTC performance and operations Minimising maintenance and lifecycle costs Protecting CBTC investments and generating ROI Successfully planning future operations 	Questions for industry suppliers to consider <ul style="list-style-type: none"> What is the next-generation of CBTC? Working with operators to bring down overall costs Developing an integrated operations and maintenance strategy Maximising lifecycle of CBTC systems Creating additional functionality for the operator
17:15	Roundtable spokesperson feedback to moderator on key findings for CBTC Users	Roundtable spokesperson feedback to moderator on key findings for CBTC Suppliers

17:30 Moderator's concluding summary of the session

CONFERENCE CLOSE

17:45 **Global Transport Forum closing remarks and close of day two**
Dan Loosemore, Head of Production, **Global Transport Forum**

“ I found the event an excellent overview of present initiatives and progress with major projects in the CBTC area ”

Karl Dodsworth, Project Manager - Signalling, MTR Hong Kong

INTERACTIVE WORKSHOPS AND SITE VISITS THURSDAY 8 NOVEMBER 2012

The dedicated workshops offer participants access to detailed insights that delve deeper into the specific technical challenges discussed throughout the conference. Led by subject matter experts with insights from leading speakers, the hands-on format encourages maximum interaction and idea sharing amongst workshop leaders and delegates. To meet the unique needs of each sector of the industry, there is a choice of two unique workshops offering participants best-practice strategies on the latest industry challenges.

	INCREASING CAPACITY AND MAXIMISING EFFICIENCY WITH DRIVERLESS OPERATIONS	ENHANCING COLLABORATION TO REDUCE COSTS AND ENHANCE LIFECYCLE
09:00	WORKSHOP LEADER CASE STUDY	
	<p>The role of CBTC technology in improving capacity and service David Dimmer, Manager Strategy, Transportation Solutions, Thales Group</p>	<p>The importance of collaboration in defining project needs and ensuring long term success Damien Convert, Commercial Director, Innovation, GE Transportation Franco Fabbian, Managing Director, Intelligent Control Systems (EMEA) GE Transportation</p>
	OPEN DEBATE AND DISCUSSION	
09:15	<p>Participants will discuss in groups the issues raised by the presentation and consider the following points:</p> <ul style="list-style-type: none"> • Exploit CBTC to enhance capacity • The key to minimising headways • Maintaining efficiency with increasing ridership • The long-term impact of CBTC on passenger numbers • Utilising auxiliary functions to improve 	<p>Participants will discuss in groups the issues raised by the presentation and consider the following points:</p> <ul style="list-style-type: none"> • Defining the drivers that will influence the ROI and lifecycle • Aligning supplier innovations to the long-term needs • Developing an agreement to enable future innovations • Utilising CBTC to generate additional revenue
10:30	NETWORKING COFFEE BREAK ☕	
11:15	WORKSHOP LEADER CASE STUDY	
	<p>Defining the requirements of driverless systems and ensuring smooth long-term implementation</p>	<p>Working together to bring down maintenance costs and enhance lifecycle of new systems.</p>
11:30	OPEN DEBATE AND DISCUSSION	
	<p>Participants will discuss in groups the issues raised by the presentation and consider the following points:</p> <ul style="list-style-type: none"> • Defining the necessary functionality to improve performance • Key strategies to ensure a smooth migration • The potential of driverless technology to reduce costs • Working with suppliers to define requirements and meet needs 	<p>Participants will discuss in groups the issues raised by the presentation and consider the following points:</p> <ul style="list-style-type: none"> • Develop structured upgrade plans to reduce costs • The impact of maintenance strategies on delays and OPEX costs • successfully collaborating with the supplier • The necessity of having a maintenance agreement
12:45	NETWORKING LUNCH 🍴🍷	
14:00	CHOICE OF SITE VISITS	

CHOICE OF SITE VISITS



Following lunch, delegates can choose between two innovative site visit options ran by our supporters GVB and Amsterdam metro. Our unique site visits to GVB Control Centre and the construction of the NZL give delegates a first-hand look at the latest industry projects and provide a live example of the issues discussed over the first two days.

Delegates will leave the conference hotel and make their way to central station for the visits where each group will meet with the respective representatives from the NZL project and GVB for exclusive guided tours. The tours will finish not later than 16:30

Please make your choice when registering and for further details email daniel.loosemore@globaltransportforum.com. Places will be allocated on a First Come First Served basis so book now to avoid disappointment!

SPONSORS AND PARTNERS

EVEN PARTNER



Established more than 100 years ago, GE Transportation, a unit of General Electric Company, is a global technology leader and supplier to the railroad, marine, drilling and mining and winds industries. It provides freight and passenger locomotives, signaling and communications systems, information technology solutions, marine engines, motorized drive systems for mining trucks and drills, high-quality replacement parts and value added services. Since its inception, GE Transportation has been at the forefront of many of rail's most storied accomplishments. The most recent is the Evolution® Locomotive, which was designed to be the most technologically advanced, fuel-efficient and environmentally friendly diesel locomotive to ever put power to the rails.

LEAD SPONSORS

THALES

The pioneer of CBTC technology, Thales is a world leader with the most CBTC experience of any supplier. Our SelTrac® CBTC system has been developed and implemented successfully in many cities throughout the world over the past 25 years with today's estimated ridership at 3 billion passengers annually. Over 30 major operators around the world account for 53 projects to-date. With continual innovation, Thales' CBTC now operates on over 1,000 km of track worldwide with an additional 200km of track to be added by the end of 2014. Thales introduced the first free-space radio CBTC system in 2004. For new lines, extensions and re-signalling projects, Thales provides integrated solutions and advocates the use of open-standards for data communications. The technology has evolved over time and operators using SelTrac continue to benefit from low operating, maintenance and life cycle costs, as well as proven, energy saving, driverless technology.



Alstom designs, builds and commissions also signalling systems for metro and tram lines. Beyond rail control and signalling:

- Alstom designs, builds and commissions new rolling stock - electric regional trains, intercity trains and locomotives as well as the Pendolino high-speed tilting train and very high-speed trains.
- We maintain and renovate train fleets for our customers - fleets composed of Alstom-built or 3rd-party-build trains.
- Alstom designs and installs railway track infrastructure and electrifies railway lines
- Alstom offers its customers a complete range of systems, products and services either in individual lots or combined in an optimised and integrated turnkey solution, back-up by world-class project management expertise.

Alstom Transport is present in over 60 countries and employs some 26,000 people worldwide.



Ansaldo STS is an international leading technology company operating in the global Railway & Mass Transit Transportation businesses. With over 150 years of history and proven successes worldwide, from Signalling systems to complete Turnkey Solutions, Ansaldo STS delivers efficiently the most reliable and safe systems of any size and complexity around the world. Ansaldo STS operates through two Business Units "Transportation Solutions" and "Signalling" as a technology System Integrator, Signalling provider, Lead Contractor and Operator.

BOMBARDIER

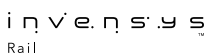
Bombardier Transportation offers the broadest portfolio in the rail industry and delivers innovative products and services that set new standards in sustainable mobility. Our division, Rail Control Solutions is a global leader in delivering state-of-the-art, safe rail control solutions. From high density mass transit systems to intercity, or long distance passenger and freight operations, from cross-border solutions to regional and low density industrial lines, Bombardier's highly proven signalling solutions have been installed in over 50 countries and are adaptable to suit all needs.



For over 35 years, Teltronic has been a world leader in the design and manufacturing of mission-critical radio communications equipment and systems. With the combined objectives of innovation and the highest quality, Teltronic provides complete wireless communications solutions for a variety of sectors including public safety, public transport, oil & gas, utilities, mining, industry, and others. Our products are marketed around the world, with more than 300 systems in operation in 50 countries.

SIEMENS

Siemens with its activities in the fields of industry, energy, healthcare and infrastructure is a globally leading company. Cities are a major growth market of the future. The Mobility and Logistics Division supplies solutions to customers whose business model is based on the optimization of passenger and cargo transport. With its Trainguard MT system, Siemens has created a solution for fully automatic train control. Metro lines are equipped with state-of-the-art signaling and control systems which enable short headways thanks to the moving-block principle. Its many years of experience and competence in the field of train control and a full-range product portfolio make Siemens a reliable partner. www.siemens.com/mobility



At the Business Unit Rail Automation (Berlin, Germany) round about 6,000 staff members worldwide are engaged in the development and production of equipment, systems and installations for safe and efficient operations management of mass transit and mainline rail transport. The rail automation portfolio ranges from operations control system, diagnostic and service systems, remote control systems, rail communication systems as well as electronic interlockings and automatic train control systems to signals, switch operating systems, track vacancy detection systems, grade-crossing protection as well as locating equipment. Furthermore the Business Unit offers complete solutions from consulting and planning to supply, commissioning and service, enabling us to provide convincing rail systems for operators all over the world within the shortest space of time. All solutions are optimally tailored to customer requirements.

ASSOCIATE SPONSORS



Founded in 1999, Esterel Technologies is the leading provider of critical embedded software development tools and services in the rail transportation domain. Esterel SCADE® solutions are used by embedded software engineers to graphically design, verify, and automatically generate critical embedded software applications. As members of the SCADE® product family, Esterel SCADE Suite® and Esterel SCADE Display® reduce time-to-deployment and certification for critical control and embedded graphics display applications respectively. Both products, with support for the full development life-cycle, from requirements through deployment and verification are certified for critical application development. SCADE KCG® automatic code generators have been certified by TÜV SÜD for EN 50128 up to SIL 3/4 for Rail Transportation Applications. With direct presence in North America, Europe, Asia, and distributors globally, Esterel Technologies continues to drive advances in critical embedded software development. www.esterel-technologies.com



Prover Technology provides software products and services for development and independent V&V of railway control and signaling systems. The company's Prover Certifier product is only software product on the market that allows you to automatically produce complete safety evidence for CENELEC EN50128 SIL 4 certification using formal verification. The company's Prover iLock tool suite provides unparalleled cost-efficiency in development and V&V of interlocking systems, customizable to different target platforms and geographical markets.

<http://www.prover.com/>.

EXHIBITORS



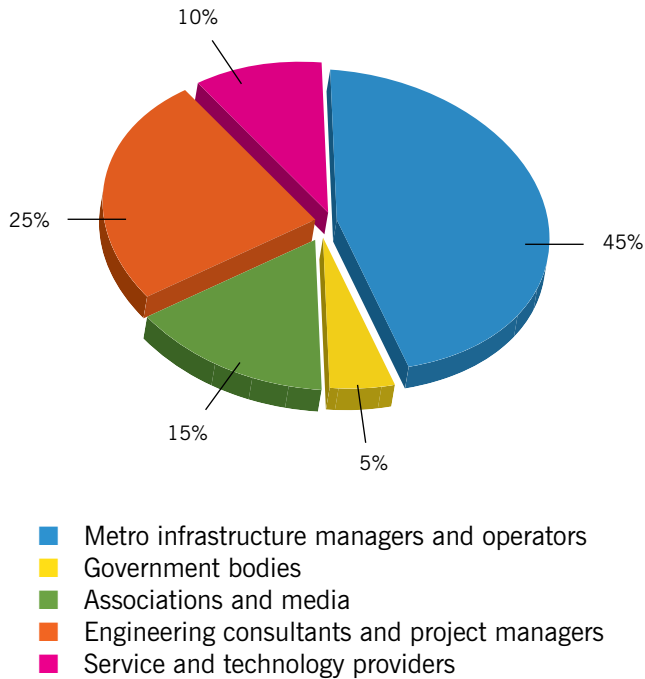
MEDIA PARTNERS



AUDIENCE PROFILE

WHO WILL YOU MEET

Our dedicated and specialist approach to all of our events ensures that the audience is not only made up of the industry's leading experts, but also, that we achieve a well balanced audience of leading metros, urban lines, government and suppliers. We are committed to this model and have a dedicated audience development team to ensure that the key individuals who you wish to meet are in attendance.



“CBTC World Congress 2011 was a good opportunity to get massive information on what are the constraints and expectations from the market regarding CBTC Technology. Contractors, manufacturers, integrators and suppliers can discuss each others challenges to meet the functionalities and performances required by the present transportation/train projects.”

Mr Romaric Thevenet, Harting France

EVENT STATISTIC: 100% of attendees have rated the congress as excellent or good

WHAT CAN WE DO FOR YOUR NEW BUSINESS RELATIONSHIPS?

As well as creating a unique agenda that dedicates time to incorporate specific networking breaks during the conference Global Transport Forum are also delighted to invite you to two networking parties included in the cost of your conference pass to maximise interaction and provide a more informal setting to make new contacts.



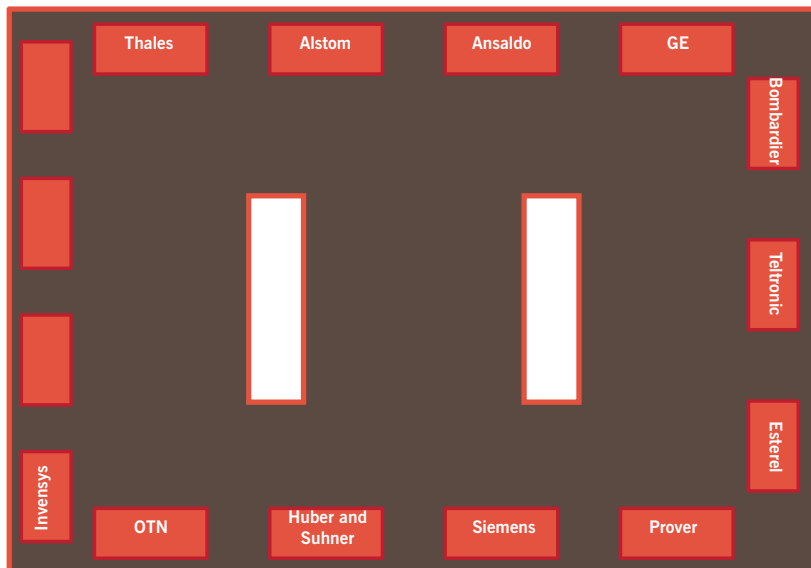
5th November 2012: Pre Registration Drinks Reception
The evening before the conference we would like to invite delegates to join us for an exclusive pre registration drinks reception allowing you to collect your delegate packs and meet fellow delegates prior to the conference opening. This will take place at the conference venue from 19:00.

6th November 2012: Global Transport Forum Party
Following the conclusion of day one, Global Transport Forum would like to invite you to join us for a exclusive party marking our third CBTC World Congress and 3 years in the industry. Please come and join us for an evening of entertainment and celebration, allowing delegates to network in style!
For more details please email rosie.nixon@globaltransportforum.com

SPONSORSHIP OPPORTUNITIES

With the needs and demands of global metros continually evolving and CBTC systems developing, it is crucial that industry suppliers position themselves at the forefront of the industry and demonstrate to the operators, both their expertise and ability to meet changing demands. The third annual CBTC World Congress brings together more global metros than ever before to discuss what they expect from CBTC systems, giving you the ideal opportunity to showcase your services, highlight your thought leadership and build future business relationships.

EXHIBITION AND SPONSORSHIP SPACES ARE LIMITED! BOOK NOW TO GUARANTEE YOUR PLACE!



To discuss sponsorship and exhibition opportunities further, please contact:

Ben Green, Sales Director
 Global Transport Forum Ltd
 T +44 (0)20 7045 0904
 E at benjamin.green@globaltransportforum.com

“ I thought the CBTC World Congress was excellent – useful contacts, good, hard-hitting debates and a great chance to share news and views with colleagues from around the world. ”

Lucy Hayward, Marketing Business Partner, Invensys Rail

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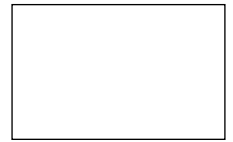
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Prices do not include The Netherlands tax rate of 19%
(please note after 1st October this will be increased to 21%)

HOW TO REGISTER

Online at www.cbtcworldcongress.com
Over the phone on +44 (0)20 7045 0900
Send this booking form to:
marketing@globaltransportforum.com

* Discounted rate subject to availability and exclusively for direct employees of government bodies, regulators, railways and metros. Global Transport Forum reserves the right to approve or reject this rate on a case by case basis.
** Unpaid or unprocessed registration by the time of the event will be charged at this rate

DISCOUNTS

If your company is sponsoring or speaking at The CBTC World Congress you will be entitled to a discount please email marketing@globaltransportforum.com for more details

BRING YOUR TEAM

Experience the conference with your colleagues, and book as a team today to benefit from our exclusive group package

- Book 3 people and get the 4th pass free.
- Free wifi for your team
- Access to meeting rooms do de-brief after sessions

Contact us to book your team at marketing@globaltransportforum.com

OPTION 1: I WOULD LIKE TO PAY BY CARD

Paying by credit card is the best way to guarantee your place, and the only option after 14th March 2012. To pay by card, book online at www.cbtcworldcongress.com Alternatively, please call +44(0)20 7045 0900 to book over the phone.

OPTION 2: I ENCLOSE A CHEQUE PAYMENT

Cheques should be drawn on a UK bank and made payable to:
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OPTION 3: PLEASE INVOICE ME / PAYING BY BANK TRANSFER:

Registration fees are net of bank charges. If paying by international bank transfer, ensure that your company pays both the sender's and receiver's bank charges.

To be exempt from tax, please provide your company tax number here

Bank: HSBC Bank, 88 The Broadway, London N10 3RX

Account Name: Global Transport Forum Ltd

Sort code: 40-04-37

Account Number: 51630148

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IMPORTANT: In order for us to track your payment and confirm you, please

REFERENCE the bank transfer with **CBTC12** and the **LAST NAME OF DELEGATE 1**

TERMS AND CONDITIONS

PAYMENT: Payment must be received no later than 14 days from the date of invoice. Registrations received within 42 days of the event must be prepaid immediately by credit card or bank transfer. Delegates who have not paid their fees in advance may be refused admission.

SUBSTITUTIONS / CANCELLATIONS: Any cancellations must be received in writing at least 42 days prior to the event. A cancellation fee of £500 will be payable on all cancellations received by this date. After this date, we regret that no cancellations can be accepted, and registering companies will be liable for 100% of the registration fee. A substitute delegate may be named at no extra charge.

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