



SMART RAIL EUROPE

19-20 APRIL 2016

PASSENGER TERMINAL AMSTERDAM
AMSTERDAM, NETHERLANDS

HOST RAILWAY SUPPORTER



FREE to attend
for Rail Operators,
Metros &
Government

★
**IMPROVING
OPERATIONS,
REDUCING COSTS
AND ENHANCING
EXPERIENCE
THROUGH
TECHNOLOGY**
★

“ SmartRail provided me with a valuable overview of the innovation challenges ahead and good opportunities to meet up with people from different parts of the industry. ”

ARJEN ZOETEMAN, SENIOR POLICY ADVISOR, DEPARTMENT OF INNOVATION & SUSTAINABLE DEVELOPMENT, PRORAIL

4 CONGRESSES, 1 DEFINITIVE SHOW



SMART
SIGNALLING
& TELECOMS

Hear international ERTMS best practice to address today's technical issues



SMART
IT NETWORKS

Reduce cost, improve service and maintenance, and reach operational excellence with integrated IT



SMART
TRAIN

Improve rolling stock ROI and meet customer expectations with big data analysis and design innovation



SMART
PASSENGER

Satisfy customer expectations of on-board services, train comfort, service performance and connectivity

KEY SPEAKERS INCLUDE:



Gottfried Eymer
CEO
DB Schenker Rail
Scandinavia



Bjorn Westerberg
CEO, Association
of Swedish
Train Operating
Companies



Roger van Boxtel
CEO
NS



Teemu Rintala
Head of Data
Analytics, VR
Finnish Railways



Stefan Engdahl
Executive Director -
Market and Planning
Trafikverket



Márton Feldmann
Deputy CEO,
Business Affairs
MÁV



Christian Schang
Director of Projects
SNCF

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The European Rail Challenge

The railway industry is currently in the midst of an exciting evolution. Europe's appetite for rail is growing, however there is increasing pressure to meet customer expectations of safety, connectivity, comfort and convenience.

Within the competitive transport landscape, rail must find a way to embrace and integrate technology innovation to improve and integrate services, meet growing customer demand on performance and comfort and meet technological standards and requirements in order to remain competitive.

HOW SMARTRAIL CAN HELP

SmartRail responds to our changing industry by providing a meeting place that showcases technology solutions and creative insights to drive towards the competitive rail networks of the future. The four congresses and high-level plenary summits for CEOs and CFOs attract a diverse range of stakeholders within the industry to share best practice from their area of expertise, and promote collaboration within the industry.

We look forward to having you with us again in Amsterdam for interactive knowledge sharing and intimate networking on these key issues to drive forward the future success of rail in Europe.

See you soon
Tim Edwards, Event Director



STRATEGIC EXECUTIVE SESSIONS:



The executive C-level plenary sessions and panel discussions feature thought leadership and strategic insights into the future of European rail. These sessions will present an holistic picture of the industry and future development.



SMART
SIGNALLING
& TELECOMS

- Uncover the diverse potential of data
- Cut costs and improve efficiency
- Optimise operations
- Be at the forefront of the digital revolution



SMART
IT NETWORKS

- Uncover the diverse potential of data
- Cut costs and improve efficiency
- Optimise operations
- Be at the forefront of the digital revolution



SMART
TRAIN

- Meeting demands for future rolling stock
- Cutting costs and enhancing lifecycle
- Safety and passenger needs
- Improving maintenance and asset management



SMART
PASSENGER

- Improve the passenger experience
- Meet customer expectations on connectivity and wifi
- Meet service objectives
- Increase competitiveness

“The best place to pick up the new trends in the rail industry.”

PATRICK ROZIJN, ICT ARCHITECT, NS GROUP

WHO ATTENDS?

JOB PROFILES

- CEOs
- CFOs
- CIOs
- Rolling Stock experts
- Asset Management experts
- Research and Development managers
- Technical Directors
- Technology Directors
- Digital project managers
- Passenger services – PIS / Ticketing
- Project Managers
- Wireless Communication / Wifi Managers
- ERTMS project managers
- Telecommunication Directors
- Performance Analyst
- Fleet Managers
- IT Managers
- Technology Strategists
- Engineers
- Passenger Operation Directors
- Procurement managers

BUYERS

- Railways
- Metros
- Urban railways
- Government bodies

- Investment groups
- Turnkey suppliers
- Consultants

SELLERS

- IT and network suppliers
- Turnkey suppliers
- Signalling suppliers
- Telecom vendors
- Ticketing and PIS specialists
- Rolling stock manufacturers
- Network specialists

- Component manufacturers
- Vehicle service and maintenance
- Infrastructure and component companies

AGENDA AT A GLANCE

DAY 1

REGISTRATION OPEN & CONGRESS NETWORKING REFRESHMENTS

08:50 **Keynote: Future of European Rail**



Key discussion points include:

- Futuristic insights into rail technology
- Creating successful businesses with technology
- Building a single European railway area
- Integrating innovation into rail

09:50 **KEYNOTE PANEL DISCUSSION:** **Coordinating the development of a competitive European rail network**



10:35 NETWORKING COFFEE BREAK



11:20 WORKSHOPS

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12:20 NETWORKING LUNCH



Plenary sessions

13:50 **ERTMS Best Practice**

Key discussion points:

- International case studies
- Brownfield implementation experience
- Migration and interoperability
- Testing and certification



14:35 **PANEL DISCUSSION:** **Ensuring RAMS for ERTMS components**

13:50 **What can big data do for rail?**

Key discussion points:

- Project case studies
- Data collection and analysis
- Cost reduction
- SmartCities



14:35 **PANEL DISCUSSION:** **Leaveraging data to improve the European railways.**

15:20 NETWORKING COFFEE BREAK



Plenary sessions

16:05 **Telecommunications**

Key discussion points:

- Integration and migration on legacy systems
- Compare GSM-r, 4G, LTE, IP
- Ensuring performance and safety
- Futurproofing for adaptable telecom future



16:55 **PANEL DISCUSSION:** **What is the future for railway telecommunications**

16:05 **Innovations in rolling stock**

Key discussion points:

- Sustainable design and energy efficiency
- Whole system approach to design
- Rolling stock lifecycle
- Turnkey solutions
- Meeting passenger requirements



16:55 **PANEL DISCUSSION:** **Key innovations in rolling stock design for best ROI**

16:05 **Optimising service and performance with IT**

Key discussion points:

- Traffic management and timetabling
- Capacity
- Service optimisation
- Infrastructure maintenance
- Infrastructure asset management



16:55 **PANEL DISCUSSION:** **Using IT to improve service performance**

17:30 END OF DAY 1

DAY 2

09:00 **Keynote: Aligning innovation with business strategy**



Key discussion points include:

- Creating customer-focused networks
- Finance strategy case studies
- Public / Private partnerships
- Business and change management approaches

09:45 **KEYNOTE PANEL DISCUSSION:** **Financing the modern European railway**



10:30 NETWORKING COFFEE BREAK



11:15 WORKSHOPS

Sponsored by



12:15 NETWORKING LUNCH



Plenary sessions

13:45 **Moving forward with ERTMS today**

Key discussion points:

- The future of ERTMS technology
- Technical pressure points
- Building the digital railway



14:30 **PANEL DISCUSSION:** **What are the critical turning points in ERTMS development in 2016**

13:45 **Improving performance through asset management**

Key discussion points:

- Diagnostic and predictive maintenance
- Lifecycle costs
- Cost reduction
- Optimising asset management



14:30 **PANEL DISCUSSION:** **Managing asset strategically with smart technology**

13:45 **The connected passenger**

Key discussion points:

- Passenger engagement strategies
- Cross-border issues and solutions
- Wifi and wireless technology
- Ticketing



14:30 **PANEL DISCUSSION:** **What does the passenger want from rail travel?**

15:15 NETWORKING COFFEE BREAK



15:45 ROUNDTABLES

WIRELESS COMMUNICATIONS *BAI Communications*

CYBER SECURITY *Belden*

BIG DATA *OSISoft*

CONNECTED PASSENGER *Nomad Digital*

ASSET MANAGEMENT *Available for Sponsorship*

16:30 ROUNDTABLE GROUP FEEDBACK

16:45 END OF DAY 2

Learn from influential C-level executives working in European rail technology

FEATURING:



Roger van Boxtel
CEO
NS



Libor Lochman
Executive Director
CER



Gottfried Eymer
CEO, DB Schenker Rail
Scandinavia



Bjorn Westerberg
CEO, Association of
Swedish Train Operating
Companies



Márton Feldmann
Deputy CEO, Business
Affairs, MAV



Christian Schang
Director of Projects
SNCF



Stefan Engdahl
Executive Director - Market
and Planning, Trafikverket



Peter Smyth
Chief Mechanical Engineer
Irish Rail



Teemu Rintala
Head of Data Analytics
VR - Finnish Railways

SPEAKERS INCLUDE:

Libor Lochman,
Executive Director, CER

Roger van Boxtel,
CEO, NS

Gottfried Eymer
CEO, DB Schenker Rail Scandinavia

Bjorn Westerberg,
CEO, Association of Swedish Train
Operating Companies

Dirk Jan Brakel
Managing Director, O.J. Dahl BV

Márton Feldmann
Deputy CEO, Business Affairs, MAV

Jan Swier, Strategic Advisor for Asset
Management, ProRail

Stefan Engdahl, Executive Director -
Market and Planning, Trafikverket

Peter Smyth
Chief Mechanical Engineer, Irish Rail

Cormac Rabbitt
Managing Director, Metro Dublin

Wim Fabries
Director of ERTMS Programme
Dutch Ministry of Infrastructure and
the Environment

Chris Denison
CEO and Co-Founder, Formula Rail

David Clarke
Rail Technology Innovator, RTI

Sébastien Kaiser
Digital Program Director, SNCF

Enrique Ruiz
Technical and Service Manager, HIT Rail

Paul Boyle
Head of ERTMS
Virgin East Coast Trains

Alfonso Diez Pérez
Director of Maintenance and Operations
ADIF

Teemu Rintala
Head of Data Analytics
VR - Finnish Railways

Brian Ellis
Principal Engineer, Control Command &
Signalling, The Office of Rail Regulation

Thomas Bayrhopf
Head of Automatic Train Control
Deutsche Bahn

Armand Toubol
Vice President, New Opera

Asghar Bahramali
Project Director
Iran Islamic Republic Railway

Vincent Weeda
Performance Analyst, ProRail

Chis Verstegen
Chief Innovation Officer, ProRail

Christian Schang
Director of Projects, SNCF

Teemu Rintala
Head of Data Analytics
VR - Finnish Railways

Duncan Cross
Deputy Director of Operations
London Overground

Moritz Schlee
Head of RTPI on-board Information, DB

Stefano Marcoccio,
ERTMS Team Leader, RFI

Andreas Willich
Director of Passenger Traffic, BLS

John Smith
Programme Manager - Intelligent
Infrastructure & Risk Based Maintenance
Network Rail

Ian Wright
Head of Insight
Transport Focus

Tony Lacy
General Manager, UK Transportation

Ewald Munz
Director - Business Development, Cyient

René Hummen
Senior Researcher, Belden

Marco Tegliabue
Sales Manager EMEA, Fluidmesh

Mats Karlsson
Head of Innovation, Icomera

Richard Knowles
Sales Director Western Europe-Rail
IMI Precision

Nicola Furness
Principal Engineer (ERTMS), Network Rail

Javier Goikoetxea
Technical Leader of the Roll2Rail Initiative
CAF

Sergey Aslanyan
Chairman, Maxima Telecom

Loïc Vigouroux
Project Leader, SNCF

Jim Baker
CEO, Xentrans

Chris Crawford
Head of Innovation and Knowledge
Management, Bombardier

Frank Jost
Strategy Director, European Commission
DG Move

Matt Miller
Transportation Industry Principal, OSISoft

Eric Louis Marie
Market Manager Railway - Connected
Mobility, Huber + Suhner

Arne Boläv
CEO, Prover Technology

Jay Saw
Commercial Director, Nomad Digital

Senior Representative
BAI Communications

René Hummen
Senior Researcher, Belden

Senior Representative
Bombardier

Marco Tegliabue
Sales Manager EMEA, Fluidmesh

“Very interesting mix of perspectives both from within the typical railway industry and related branches. Good mix. And I really liked the key-note, such a different perspective compared to the ‘typical’ rail professional!”

ARMAN PEIGHAMBARI, CONSULTANT, SCI VERKEHR

YOUR PERSONALISED SCHEDULE:



SCHEDULE FOR ERTMS EXPERTS:

International case studies of ERTMS implementation, migration, interoperability, GSM-R, ETCS, safety and performance.

P5



SCHEDULE FOR ASSET MANAGEMENT AND OPERATION OPTIMISATION EXPERTS:

Service performance, service optimization, asset and investment management.

P5



SCHEDULE FOR TELECOMS AND WIRELESS EXPERTS:

Telecommunications, wireless coms, wifi, customer information services.

P5



SCHEDULE FOR ROLLING STOCK EXPERTS:

Rolling stock investment, management, maintenance, ROI and innovation.

P6



SCHEDULE FOR ON-BOARD AND PASSENGER EXPERIENCE EXPERTS:

Passenger experience, on-board passenger services, passenger comfort, convenience, and connectivity and services.

P6



SCHEDULE FOR TRAFFIC MANAGEMENT AND END TO END PASSENGER JOURNEY EXPERTS:







Passenger operations, service delivery, wifi, ticketing, PIS.

P6



Schedule for ERTMS experts

DAY 1

- 09:00 **KEYNOTE PRESENTATIONS:** Future of European Rail. *Room 1* 
- 09:45 **KEYNOTE PANEL DISCUSSION:** Coordinating the development of a competitive European rail network *Room 1* 
- 11:15 **Choice of Workshop**
- 13:30 **CASE STUDY PRESENTATIONS:** ERTMS Best Practice: Case study presentations *Room 1* 
- 14:45 **PANEL DISCUSSION:** Using ERTMS to improve reliability, safety and capacity *Room 1* 
- 15:45 **CASE STUDY PRESENTATIONS:** Telecommunications: Maintaining, upgrading and futureproofing your network *Room 1* 
- 16:45 **PANEL DISCUSSION:** What is the future for railway telecommunications? *Room 1* 

DAY 2

- 09:00 **CASE STUDY PRESENTATIONS:** Aligning innovation with business strategy *Room 1* 
- 10:00 **PANEL DISCUSSION:** Financing the modern European railway *Room 1* 
- 11:15 **Choice of Workshop**
- 13:30 **CASE STUDY AND AUDIENCE Q&A:** Moving forward with ERTMS today *Room 1* 
- 15:45 **Roundtables** *Room 1* 



Schedule for asset management and operations optimisation experts

DAY 1

- 09:00 **KEYNOTE PRESENTATIONS:** Future of European Rail *Room 1* 
- 09:45 **KEYNOTE PANEL DISCUSSION:** Coordinating the development of a competitive European rail network *Room 1* 
- 11:15 **Choice of Workshop**
- 13:30 **CASE STUDY PRESENTATIONS:** What can big data do for rail? *Room 2*   
- 14:30 **PANEL DISCUSSION:** Leveraging data to improve the European railways *Room 2*   
- 15:45 **CASE STUDY PRESENTATIONS:** Optimising service and performance with IT *Room 2*  
- 16:45 **PANEL DISCUSSION:** Using IT to improve service and asset performance *Room 2*  

DAY 2

- 09:00 **KEYNOTE PRESENTATIONS:** Aligning innovation with business strategy *Room 1* 
- 10:00 **PANEL DISCUSSION:** Financing the modern European railway *Room 1* 
- 11:15 **Choice of Workshop**
- 13:30 **CASE STUDY PRESENTATIONS:** Improving performance through rolling stock asset management *Room 3*  
- 14:30 **PANEL DISCUSSION:** Managing asset strategically with smart technology *Room 3*  
- 15:45 **Roundtables** *Room 1* 



Schedule for telecoms and wireless experts

DAY 1

- 09:00 **KEYNOTE PRESENTATIONS:** Future of European Rail *Room 1* 
- 09:45 **KEYNOTE PANEL DISCUSSION:** Coordinating the development of a competitive European rail network *Room 1* 
- 11:15 **Choice of Workshop**
- 13:30 **CASE STUDY PRESENTATIONS:** What can big data do for rail? *Room 2*   
- 14:30 **PANEL DISCUSSION:** Leveraging data to improve the European railways *Room 2*   
- 15:45 **CASE STUDY PRESENTATIONS:** Telecommunications: Maintaining, upgrading and futureproofing your network *Room 1* 
- 16:45 **PANEL DISCUSSION:** What is the future for railway telecommunications? *Room 1* 

DAY 2

- 09:00 **KEYNOTE PRESENTATIONS:** Aligning innovation with business strategy *Room 1* 
- 10:00 **PANEL DISCUSSION:** Financing the modern European railway *Room 1* 
- 11:15 **Choice of Workshop**
- 13:30 **CASE STUDY PRESENTATIONS:** The connected passenger *Room 2*  
- 14:30 **PANEL DISCUSSION:** What does the passenger want from rail travel? *Room 2*  
- 15:45 **Roundtables** *Room 1* 



Schedule for rolling stock experts

DAY 1

- 09:00 **KEYNOTE PRESENTATION: Future of European Rail** Room 1
- 09:45 **KEYNOTE PANEL DISCUSSION: Coordinating the development of a competitive European rail network** Room 1
- 11:15 **Choice of Workshop**
- 13:30 **CASE STUDY PRESENTATIONS: What can big data do for rail?** Room 2
- 14:30 **PANEL DISCUSSION: Leveraging data to improve the European railways** Room 2
- 15:45 **CASE STUDY PRESENTATIONS: Innovations in rolling stock** Room 3
- 16:45 **PANEL DISCUSSION: Key innovations in rolling stock design for best ROI** Room 3

DAY 2

- 09:00 **KEYNOTE PRESENTATIONS: Aligning innovation with business strategy** Room 1
- 10:00 **PANEL DISCUSSION: Financing the modern European railway** Room 1
- 11:15 **Choice of Workshop**
- 13:30 **CASE STUDY PRESENTATIONS: Improving performance through rolling stock asset management** Room 3
- 14:30 **PANEL DISCUSSION: Managing assets strategically with smart technology** Room 3
- 15:45 **Roundtables** Room 1



Schedule for on-board and passenger experience experts

DAY 1

- 09:00 **KEYNOTE PRESENTATION: Future of European Rail** Room 1
- 09:45 **KEYNOTE PANEL DISCUSSION: Coordinating the development of a competitive European rail network** Room 1
- 11:15 **Choice of Workshop**
- 13:30 **CASE STUDY PRESENTATIONS: What can big data do for rail?** Room 2
- 14:30 **PANEL DISCUSSION: Leveraging data to improve the European railways** Room 2
- 15:45 **CASE STUDY PRESENTATIONS: Innovations in rolling stock** Room 3
- 16:45 **PANEL DISCUSSION: Key innovations in rolling stock design for best ROI** Room 3

DAY 2

- 09:00 **KEYNOTE PRESENTATIONS: Aligning innovation with business strategy** Room 1
- 10:00 **PANEL DISCUSSION: Financing the modern European railway** Room 1
- 11:15 **Choice of Workshop**
- 13:30 **CASE STUDY PRESENTATIONS: The connected passenger** Room 2
- 14:30 **PANEL DISCUSSION: What does the passenger want from rail travel?** Room 2
- 15:45 **Roundtables** Room 1



Schedule for traffic management and end to end passenger journey experts

DAY 1

- 09:00 **KEYNOTE PRESENTATION: Future of European Rail** Room 1
- 09:45 **KEYNOTE PANEL DISCUSSION: Coordinating the development of a competitive European rail network** Room 1
- 11:15 **Choice of Workshop**
- 13:30 **CASE STUDY PRESENTATIONS: What can big data do for rail?** Room 2
- 14:30 **PANEL DISCUSSION: Leveraging data to improve the European railways** Room 2
- 15:45 **CASE STUDY PRESENTATIONS: Optimising service and performance with IT** Room 2
- 16:45 **PANEL DISCUSSION: Using IT to improve service and asset performance** Room 2

DAY 2

- 09:00 **KEYNOTE PRESENTATIONS: Aligning innovation with business strategy** Room 1
- 10:00 **PANEL DISCUSSION: Financing the modern European railway** Room 1
- 11:15 **Choice of Workshop**
- 13:30 **CASE STUDY PRESENTATIONS: The connected passenger** Room 2
- 14:30 **PANEL DISCUSSION: What does the passenger want from rail travel?** Room 2
- 15:45 **Roundtables** Room 1





SMART SIGNALLING & TELECOMS

DAY 1

08:00 REGISTRATION OPEN & CONGRESS NETWORKING REFRESHMENTS

KEYNOTE: FUTURE OF EUROPEAN RAIL ROOM 1

The European rail transportation system is the envy of many other global regions. However, several factors such as aging infrastructure, cheap air travel and the need for seamless cross-border operations threatens the competitiveness of rail. Technology provides a wealth of opportunities for rail to achieve these goals however, the industry has often struggled to keep up with the fast paced tech evolution. This session will bring together forward thinkers, futurists and technology innovators to discuss the future of technology for the rail industry and how it can achieve the competitive and sustainable networks of the future.

- | | |
|--|--|
| <p>08:50 Making future rail competitive and accessible
<i>Roger van Bortel, CEO, NS</i></p> <p>09:05 Putting innovation and technology at the heart of European railway development
<i>Chris Denison, CEO and Co-Founder, Formula Rail</i></p> <p>09:20 Key technology investment for a competitive rail network
<i>David Clarke, Rail Technology Innovator, RTI</i></p> <p>09:35 The future for rail technology
<i>Chris Verstegen, Chief Innovation Officer, ProRail</i></p> | <p>09:50 Building the single European railway area
<i>Libor Lochman, Executive Director, CER</i></p> <p>10:05 KEYNOTE PANEL DISCUSSION: Coordinating the development of a competitive European rail network
<i>Libor Lochman, Executive Director, CER</i>
<i>Chris Denison, CEO and Co-Founder, Formula Rail</i>
<i>Gottfried Eymer, CEO, DB Schenker Rail Scandinavia</i>
<i>David Clarke, Rail Technology Innovator, RTI Knowledge Transfer Network</i>
<i>Roger van Bortel, CEO, NS</i></p> |
|--|--|

10:35 NETWORKING COFFEE BREAK

11:20 WORKSHOPS

Workshops provide delegates with the opportunity to focus in on a topic of their choice. For a one hour period, a technical specialist will lead the discussion providing case studies and expert knowledge. In this more informal setting delegates will have the opportunity to ask questions and get feedback from their colleagues and facilitator.

SPONSORED BY: FLUIDMESH NETWORKS

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12:20 NETWORKING LUNCH

ERTMS BEST PRACTICE

ERTMS presents an on going challenge for operators. This session will present case studies from operators implementing ERTMS on their systems - their issues, solutions and recommendations.

- | | |
|---|--|
| <p>13:35 ERTMS for freight: What has Scandinavia learnt during their technology rollout?
<i>Gottfried Eymer, CEO, DB Schenker Rail Scandinavia</i></p> <p>13:50 An update on the Dutch ERTMS implementation
<i>Wim Fabries, Director of ERTMS Programme, Dutch Ministry of Infrastructure and the Environment</i></p> <p>14:05 Issues and resolutions during ERTMS implementation across Rail Freight Corridor 6
<i>Stefano Marcoccio, ERTMS Team Leader, Rail Freight Corridor 6</i></p> <p>14:20 Ensuring ERTMS deployments meet budget and adds maximum value to your railway operation
<i>Senior representative, Bombardier</i></p> | <p>14:35 Challenges for European freight operators during the migration phase of ETCS
<i>Thomas Bayrhop, Head of Rolling Stock Technology - Automatic Train Control, Train Communication, Deutsche Bahn AG</i></p> <p>14:50 PANEL DISCUSSION: Using ERTMS to improve reliability, safety and capacity
<i>Thomas Bayrhop, Head of Rolling Stock Technology - Automatic Train Control, Train Communication, Deutsche Bahn AG</i>
<i>Wim Fabries, Director of ERTMS Programme, Dutch Ministry of Infrastructure and the Environment</i>
<i>Senior representative, Bombardier</i>
<i>Stefano Marcoccio, ERTMS Team Leader, Rail Freight Corridor 6</i></p> |
|---|--|

15:20 NETWORKING COFFEE BREAK

TELECOMMUNICATIONS: MAINTAINING, UPGRADING AND FUTUREPROOFING YOUR NETWORK

Maintaining high performing telecommunication operations is critical to successful national and international ERTMS operations, safety, and the transmission of mission critical data. The short lifecycle of telecom systems, and the rapid evolution of communication options provide a difficult technical challenge for the railways, especially when considering cost analysis, migration projects and futurproofing. This session is for anybody looking to hear expert opinion on the state of railway telecommunications and what can be done today to improve on asset investment and ensure a maximum ROI.

- | | |
|--|---|
| <p>15:50 Experiences and challenges for GSM-R and ETCS in cross-border operations
<i>Brian Ellis, Principle Engineer - Control, Command and Signalling, Office of Rail and Road</i></p> <p>16:05 Upgrading telecommunications networks successfully
<i>Alfonso Díez Pérez, Director of Maintenance and Operations, ADIF</i></p> <p>16:20 Ensuring worker and passenger safety during telecommunication upgrade projects
<i>Loïc Vigouroux, Project Leader, SNCF</i></p> | <p>16:35 Ensuring safety and optimal performance of mission critical telecommunications
<i>Enrique Ruiz, Technical and Service Manager, HIT Rail</i></p> <p>16:50 PANEL DISCUSSION: What is the future for railway telecommunications?
<i>Alfonso Díez Pérez, Director of Maintenance and Operations, ADIF</i>
<i>Enrique Ruiz, Technical and Service Manager, HIT Rail</i>
<i>Brian Ellis, Principle Engineer - Control, Command and Signalling, Office of Rail and Road</i>
<i>Loïc Vigouroux, Project Leader, SNCF</i></p> |
|--|---|

17:20 END OF DAY 1



SMART SIGNALLING & TELECOMS

DAY 2

KEYNOTE: ALIGNING INNOVATION WITH BUSINESS STRATEGY ROOM 1

How is it possible to maintain competitiveness and profitability during a period of huge investment? In this session CFOs, Financial Directors, Strategy and Business Development Heads will discuss the current position of rail, it's attractiveness to the customer, and how innovation in business and finance is needed to enhance competitiveness, ridership and ultimately, profitability.

- 09:15 **Update: Expediting and delivering a cost effective metro network for Dublin**
Cormac Rabbitt, Managing Director, Metro Dublin
- 09:30 **The strategic vision on Swedens railways to achieve continued growth**
Bjorn Westerberg, CEO, Association of Swedish Train Operating Companies
- 09:45 **Strategies for managing multi-annual contracts between States and Infrastructure managers**
Frank Jost, Strategy Director, DG Move
- 10:00 **KEYNOTE PANEL DISCUSSION: Financing the modern European railway**
Frank Jost, Strategy Director, DG Move
Cormac Rabbitt, Managing Director, Metro Dublin
Bjorn Westerberg, CEO, Association of Swedish Train Operating Companies

10:30 NETWORKING COFFEE BREAK



11:15 WORKSHOPS

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12:15 NETWORKING LUNCH



MOVING FORWARD WITH ERTMS TODAY

In order to ensure fully functioning ERTMS systems throughout Europe, we need to address todays problems today. This session will look at the most pertinent turning points in 2016 for moving ERTMS forward.

- 13:30 **Opening Presentation**
Paul Boyle, Head of ERTMS, Virgin East Coast Trains
- 13:45 **Building the digital railway**
Nicola Furness, Principal Engineer (ERTMS), Network Rail
- 14:15 **How to improve the Authorisation for Putting into Service of ERTMS enabled vehicles?**
Ernst Kleine, EUG Lead Engineer, ERTMS User Group
- 14:30 **Interoperability of trains between Iran and Turkey**
Ashgar Bahramali, Project Director, Iran Railways
- 14:45 **PANEL DISCUSSION: What are the critical turning points in ERTMS development in 2016?**
Paul Boyle, Head of ERTMS, Virgin East Coast Trains
Armand Toubol, Vice President, New Opera ERTMS Users Group
Thomas Bayrhop, Head of Rolling Stock Technology - Automatic Train Control, Train Communication, Deutsche Bahn AG
Nicola Furness, Principal Engineer (ERTMS), Network Rail
Sverre Kjenne, Director of Signalling and Telecommunications, Jernbanelverket

15:15 NETWORKING COFFEE BREAK



15:45 ROUNDTABLES

The roundtable sessions offer a perfect platform for interaction, debate and best practice sharing. Led by specialist facilitators, delegates will sit on tables of no more than 10 delegates and following the moderators' introductory presentation, will discuss on their tables, the challenges presented. Each table will then feedback to the whole group their conclusions.

WIRELESS COMMUNICATIONS:
William A Bayne Jr
CEO of Transit Wireless
BAI Communications

CYBER SECURITY:
Richard Weatherburn
Global Marketing Manager for Transportation
Belden

BIG DATA:
Matt Miller
Transportation Industry Principal
OSISoft

THE CONNECTED PASSENGER
Nomad Digital

ASSET MANAGEMENT
Available for sponsorship
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16:30 ROUNDTABLE GROUP FEEDBACK

16:45 END OF DAY 2



DAY 1

08:00 REGISTRATION OPEN & CONGRESS NETWORKING REFRESHMENTS

KEYNOTE: FUTURE OF EUROPEAN RAIL ROOM 1

The European rail transportation system is the envy of many other global regions. However, several factors such as aging infrastructure, cheap air travel and the need for seamless cross-border operations threatens the competitiveness of rail. Technology provides a wealth of opportunities for rail to achieve these goals however, the industry has often struggled to keep up with the fast paced tech evolution. This session will bring together forward thinkers, futurists and technology innovators to discuss the future of technology for the rail industry and how it can achieve the competitive and sustainable networks of the future.

08:50 **Making future rail competitive and accessible**
Roger van Bortel, CEO, NS

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09:50 **Building the single European railway area**
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12:20 NETWORKING LUNCH



WHAT CAN BIG DATA DO FOR RAIL? ROOM 2

Big Data provides more possibilities than ever for integrating railroads with not only one another, but to the wider transportation industry and growing cities. This session provides an overview of the potential of Big Data to revolutionise the railways for anybody wanting to hear about how they can collect, analyse and integrate the plethora of information available to transportation. Moderator: **Jim Baker, CEO, Xentrans**

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John Smith, Program Manager - Intelligent Infrastructure, Network Rail

16:50 **How advanced digital solutions can cut costs and improve service**
Senior representative, Bombardier

14:05 **Digitalization Strategies for the modern Transport Administration**
Stefan Engdahl, Executive Director - Market and Planning, Trafikverket

14:20 **Implementing and monetizing wireless internet on mass transit**
Sergey Aslanyan, Chairman, Maxima Telecom

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OPTIMISING SERVICE AND PERFORMANCE WITH IT ROOM 2

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Duncan Cross, Deputy Director of Operations, London Overground

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Matt Kinane, Director of Engineering, MTR Nordic
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17:50 END OF DAY 1



DAY 2

KEYNOTE: ALIGNING INNOVATION WITH BUSINESS STRATEGY ROOM 1

How is it possible to maintain competitiveness and profitability during a period of huge investment? In this session CFOs, Financial Directors, Strategy and Business Development Heads will discuss the current position of rail, it's attractiveness to the customer, and how innovation in business and finance is needed to enhance competitiveness, ridership and ultimately, profitability.

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Cormac Rabbitt, Managing Director, Metro Dublin

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09:30 Reserved for **Lilee Systems**

09:45 **Strategies for managing multi-annual contracts between States and Infrastructure managers**
Frank Jost, Strategy Director, DG Move

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12:15 NETWORKING LUNCH



IMPROVING PERFORMANCE THROUGH ROLLING STOCK ASSET MANAGEMENT ROOM 3

Information technology has wide ranging potentials for all aspects of railroad operations. In respect to rolling stock, leveraging data for performance monitoring has powerful potential. Informed, and tailored rolling stock management strategies have the potential to improve safety, increase lifecycles and reduce costs. This session will look at emerging technologies and strategies that facilitate smart asset management programs for rolling stock.
Moderator: Dirk Jan Brakel, Managing Director, O.J. Dahl BV and Stadler Rail

13:30 **Maintenance and performance strategy at NedTrain**
Bas Wasser, Project Manager, NedTrain

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Peter Smyth, Chief Mechanical Engineer, Irish Rail

14:00 **IT fleet management strategies for cost reduction**
Senior representative, Nomad Digital

14:15 **Improving lifecycle costs of rolling stock**
Javier Goikoetxea, Technical Lead at Roll2Rail, CAF

14:30 **Predictive analytics to improve rolling stock maintenance**
Teemu Rintala, Head of Data Analytics, VR - Finnish Railways

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Javier Goikoetxea, Technical Lead at Roll2Rail, CAF
Teemu Rintala, Head of Data Analytics, VR - Finnish Railways
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THE CONNECTED PASSENGER
Nomad Digital

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16:30 ROUNDTABLE GROUP FEEDBACK

16:45 END OF DAY 2



SMART TRAIN

DAY 1

08:00 REGISTRATION OPEN & CONGRESS NETWORKING REFRESHMENTS

KEYNOTE: FUTURE OF EUROPEAN RAIL ROOM 1

The European rail transportation system is the envy of many other global regions. However, several factors such as aging infrastructure, cheap air travel and the need for seamless cross-border operations threatens the competitiveness of rail. Technology provides a wealth of opportunities for rail to achieve these goals however, the industry has often struggled to keep up with the fast paced tech evolution. This session will bring together forward thinkers, futurists and technology innovators to discuss the future of technology for the rail industry and how it can achieve the competitive and sustainable networks of the future.

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12:20 NETWORKING LUNCH



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INNOVATIONS IN ROLLING STOCK ROOM 3

Rolling stock design is an exciting area of railway development. With an increased integration of IT and big data, while creative passenger design and cutting edge energy efficiency are at the forefront of innovation, rolling stock investment is the key to the railways of the future. This session will look at the current innovation in rolling stock and how it is revolutionising transportation. Moderator: **Armand Toubol, Vice President, New Opera**

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16:50 **Sustainable and innovative train design to ensure the future of freight rail**
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SMART TRAIN

DAY 2

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SMART PASSENGER

DAY 2

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“ Well organized - SmartRail offers a holistic view in current pain points and future developments of the railway industry! ”

SEBASTIAN RIEDEL, CORPORATE DEVELOPMENT, KNORR-BREMSE AG

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Bombardier Transportation, a global leader in rail technology. Offering the broadest portfolio in the rail industry delivering innovative products including turnkey

integrated transit systems for mass transit using signalling solutions CITYFLO* including CBTC. For main line we are taking the lead in providing ERTMS technology as part of our INTERFLO* solution. Both solutions are open standards and integrate Bombardier's EBI *product family and control centre applications that set new standards in sustainable mobility. Bombardier Transportation is headquartered in Berlin, Germany, and has a very diverse customer base with products or services in more than 60 countries. www.bombardier.com/en/transportation.html



Lilee Systems is focused exclusively on delivering the highest quality radio products to the railroad industry. We bring solutions to market that enable broadband communication from low mobility radio for subways to high mobility radios for High Speed Rail. Our products include the 220Mhz PTC radio systems using Software Defined Radio technology, 802.11a/b/g/n radio for yard applications, 3G radios for dark territories and Mobility Controller for seamless handoff. Our long term vision is to work with freight and passenger railroads to fulfill all communication and networking needs.



JMA Wireless is the leading global innovator in mobile wireless connectivity solutions that ensure infrastructure reliability, streamline service operations, and maximize wireless performance. Employing powerful, patented innovations their solutions portfolio is proven to lower the cost of operations while ensuring lifetime quality levels in

equipment and unrivalled performance for coverage and high-speed mobile data. JMA Wireless solutions cover macro infrastructure, outdoor and indoor distributed antenna systems and small cell solutions. JMA Wireless corporate headquarters are located in Liverpool, NY, with manufacturing, R&D, and sales operations in over 20 locations worldwide.



At Worldline, connecting and securing transactions is what we do on a daily basis. With our technological expertise covering the whole payment value chain, and with millions of

highly critical transactions running through our systems, we create and operate digital platforms that handle all the transactions between a company, its partners and its customers. We offer strong industrial processing capabilities that enable us to process billions of electronic transactions per year in our highly secure data centers. Security and continuous operational excellence are key to our business. Through our platforms, we empower the right person with exactly the right service at the right moment of engagement. And we do it using our knowledge of our customers, markets and the user journey – all powered by our innovation, creativity and A-to-Z support.

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such as mobile carriers, public safety authorities and businesses operating in the transit system. Visit www.baicomunications.com to learn more



Icomera launched the world's first high-speed Internet solution for trains in September 2002 and is today the world's leading provider of open

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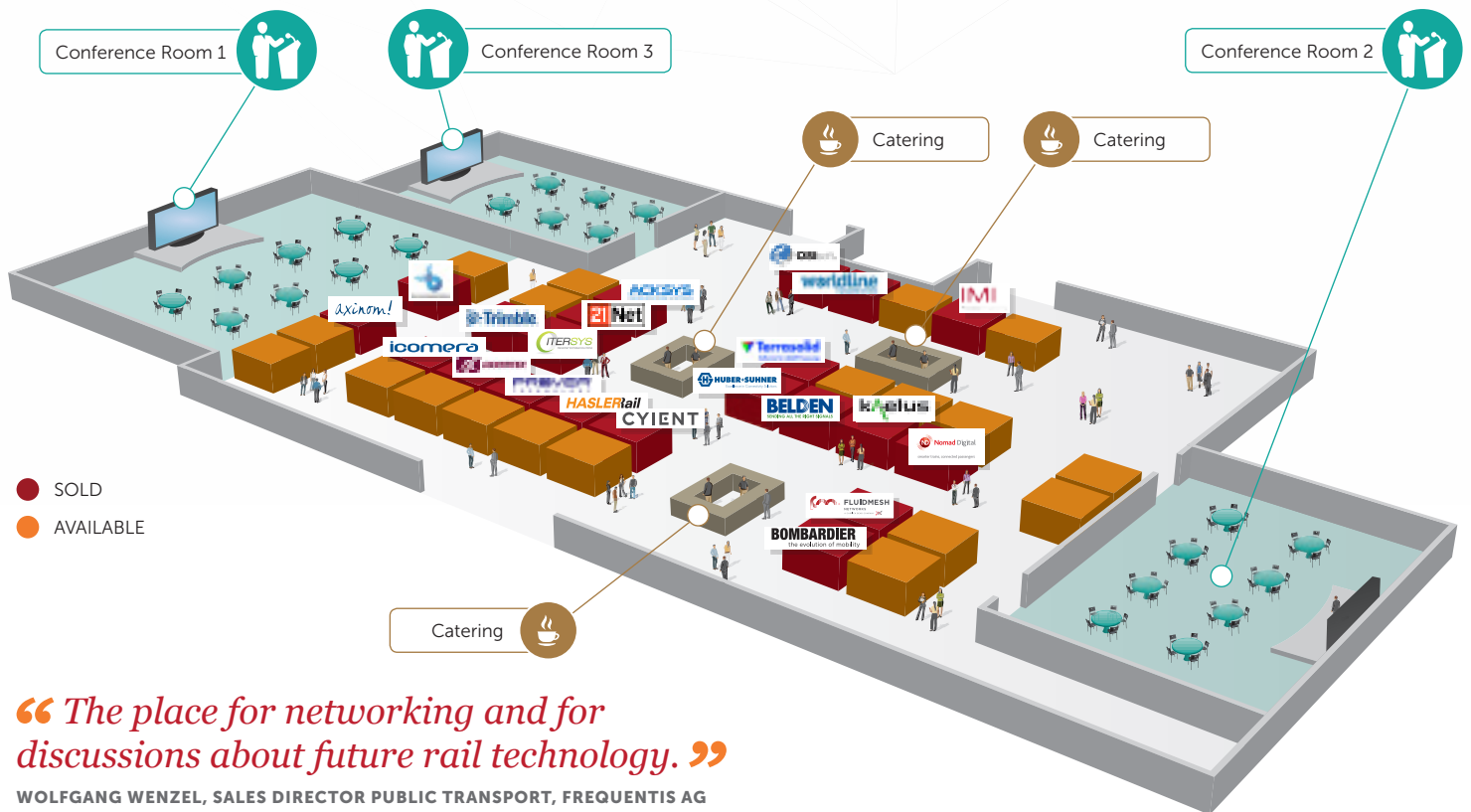
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6 WAYS TO GET INVOLVED

1

Raise your profile and demonstrate thought leadership in transportation technology and solutions

2

Cut costs and meet all of your current and potential partners in one place

3

Increase your market presence and build your brand as a transportation leader

4

Announce and demo new products or services to help operators reach their operational goals

5

Network with senior decision makers and budget holders from European freight, mainline, intercity and metro operators

6

Announce and demo new products or services to help operators reach their operational goals

“ A very useful event to meet railway and metro projects across the continent. ”

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