



PTC WORLD CONGRESS

FREE
TO ATTEND FOR
RAILROAD AND
GOVERNMENT REPRESENTATIVES

Orlando, Florida,
March 10-12th 2015

CAPACITY SUMMIT

INCREASING SAFETY AND CAPACITY FOR NORTH AMERICAN RAILROADS

TWO CONGRESSES, ONE GREAT SHOW!

The PTC World Congress

- PTC in 2015: the deadline year.
- The operational Impact of PTC
- Testing, certification and training

The Rail Capacity Summit

- Guaranteeing safety and increasing capacity across the US rail network
- Building a business case, then building capacity.
- Ensuring effective telecoms systems on an increasingly complex network.

"The 2014 conference was informative, passionate and contained industry experts with various positions. The challenges that everyone faces are dynamic but this conference presented many solutions to these issues."

Patrick Brouard, Director of Start-Up, Testing & Program Integration of Capital Programs,
MTA Harris County

"I've learnt a lot just listening to the other case studies, they were very useful. Invaluable."

- Rick Stones, AVP, Advanced Systems Planning, Kansas City Southern

CONFIRMED SPEAKERS ALREADY INCLUDE:

Confirmed speakers already include Robert Gutman, Director Business Improvement, **CSX Transportation**, Executive Board Member, **National Transportation Safety Board (NTSB)** plus...



Jim Hertwig,
President and CEO,
Florida East Coast Railway



Karen Antion,
PTC Project Manager,
Caltrain



Leonid Bukhin,
Director of Engineering Transit Operations,
Los Angeles County Metropolitan Transportation Authority



Jeff Davis,
CEO & General Manager,
New Orleans Public Belt Railroad



Bernie Sanders,
Director Positive Train Control,
CSX Transportation



Jo Strang,
Vice President for Regulatory Affairs,
American Short Line and Regional Railroad Association



Suzan Caylen,
Senior Manager, Regional Ops Support,
Union Pacific



Vince Verna,
Director Regulatory Affairs,
Brotherhood of Locomotive Engineers and Trainmen

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Orlando, Florida, March 10-12th 2015

Market Review

The mandated deadline for PTC implementation is the end of this year, making the 5th annual PTC World Congress, a must attend show for all those involved in rail safety and operations!

Not only does safety remain an imperative, but with increasing freight transport and passenger demands also changing, congestion and capacity on the network is a growing concern. Railways must meet safety mandates with increased efficiency and competitiveness.

This need for growth and enhanced safety puts additional pressure on the North American rail network. Railroads must meet PTC deadlines and capitalise on growing demand simultaneously. This creates complex challenges that must be solved to ensure long term, sustainable growth.

The PTC World Congress and Rail Capacity Summit

The **PTC World Congress** and **Rail Capacity Summit** continues to work with the industry to benchmark best practice and meet these challenges. Attended by 300 rail safety and operation experts annually, this is the definitive and only dedicated event for all professionals involved in meeting the mandate for PTC and reliable rail operation. The congress aims to help railroads and commuters not only install PTC, but do so cost effectively to improve services long term.

With the capacity challenge looming, the **Rail Capacity Summit** is Co-located alongside the **PTC World Congress**. Complementing the deployment and safety issues, the summit will address how to best manage growing demand, share best practice maintenance and asset management strategies and keep clients satisfied, by creating a sustainable, interoperable and safe rail network.

This unique format ensures the perfect platform for rail leaders to not only ensure the safety of the future rail network, but its continued competitiveness and sustainability.



2 Congresses within one great show: The innovative format



Market Forecast: Leading independent consultant Oliver Wyman will report to the audience with their industry research on the current status of PTC implementation, the current costs, future cost, and how the technology can operate as part of a wider track, signal, telecoms and cultural rethink across the rail industry. These forecast provide the data, stats and project info most valuable to your business.



Strategic Plenary Sessions: With CEO plenary sessions, Government presentations and Q&As and interactive panel debates to get answers to the questions that matter to you the most and gain a holistic picture of the key challenges facing the US rail industry.



PTC World Congress Sessions: The PTC World Congress sessions invite Class 1's, short-lines and commuters to share best practice and case studies surrounding the latest PTC implementation and operational challenges. Topics include, deployment methodology, testing, interoperability, PTC and capacity, maintenance and telecommunications.



Rail Capacity Summit Sessions: With demand increasing and congestion on the network growing, there is also a need to address the issue of capacity and traffic management to ensure a competitive and sustainable rail network. Class 1, freight and commuter lines look at meeting demand, increasing capacity, ensuring better traffic management and maintenance to maximize capacity and safety on the network.



Interactive Roundtable Workshops: 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, so you can take practical information back to the office to improve your business.



Exhibition and meeting area: 2014 saw 25 exhibitors showcase their products and services in the exhibition; complete with networking areas, seated refreshments and the leading solutions providers to maximize networking for our 300 senior railroad decision makers.

It's a great opportunity to network with other folks implementing PTC... and get additional information on where everyone is with PTC."

Michael DePallo, CEO, Metrolink

KEY PRACTICAL TAKEAWAYS FOR YOUR WHOLE TEAM!



- Ensure cost and time effective deployment
- Overcome the capacity challenge and see your network grow
- Define system requirements with technical training
- Receive successful certification and testing of systems
- Learn best practice deployment strategies from industry leaders



- Overcome the capacity challenge and see your network grow
- Achieve interoperability on the whole network
- Through our market forecast see the numbers driving our industry
- Acquire spectrum successfully and develop your communication networks
- Attract and train your workforce efficiently



FREE
FOR
RAILROADS AND
GOVERNMENT

RAILROADS SPEAKING INCLUDE:



KEY SPEAKERS IN 2015 INCLUDE: (Speaker list correct as of January 14th 2015.)

Robert Gutman,
Director Process Improvement,
CSX Transportation

Jim Hertwig,
President and CEO,
Florida East Coast Railway

Noranne Downs,
District 5 Secretary,
Florida District of Transportation

Executive Board Member,
National Transportation Safety Board

Leonid Bukhin,
Director of Engineering Transit Operations,
**Los Angeles County Metropolitan
Transportation Authority**

Harry Baumann ,
Manager Engineering Training,
Long Island Rail Road

Bernie Sanders,
Director, Positive Train Control,
CSX Transportation

Jeff Davis, General Manager & CEO,
New Orleans Public Belt Railroad

Dennis Story,
Senior Manager, Communication and
Control Systems,
Dallas Area Rapid Transit (DART)

Dan Cuozzo,
Engineer PTC & Signal,
Long Island Rail Road

Todd Gruenemeier,
Rail Manager,
Florida Department of Transportation

Joseph Black,
Rail Director,
Lone Star Rail District

Suzan Caylen,
Senior Manager, Regional Ops Support,
Union Pacific

Vince Verna,
Director Regulatory Affairs,
**Brotherhood of Locomotive Engineers and
Trainmen**

Andrew Huddleston,
Senior Analyst,
US Government Accountability Office

Mark Dysart,
Senior Associate,
Transportation Learning Center

François Blouin,
Director, Corporate Architecture and
Emerging technologies,
ViaRail (Canada)

Patrick McCrory,
Vice President & Chief Operating Officer,
Palmetto Railways

Louis F. Sanders,
Director, Technical Services,
American Public Transportation Services

Jo Strang,
Vice President for Regulatory Affairs,
**American Short Line and Regional
Railroad Association**

Laura Minns,
Senior Project Manager, Engineering &
Construction,
LYNX Transit (Florida)

Jason Kuehn,
Associate Partner,
Oliver Wyman

Karen Antion,
PTC Project Manager, **Caltrain**

Romm Doulton, CEO & President,
Las Vegas Rail Port

Joe Greco,
Engineering Manager,
Bombardier Transportation

Alan Tilles,
Narrowbanding Task Force Chair, Joint
Council on
Transit Wireless Communications

Steve Hooper,
Consultant,
ex-Panama Canal Railway

Mats Karlson,
Head of Innovation,
Icomera

Dr. Alan Rao, Secretary of Rail Transit
Systems Committee, **Transportation
Research Board**

David Schanoes,
Principal,
Ten90 Solutions LLC

Sid Bakker,
Chairman,
Committee 39 on PTC

Ron Lindsey,
Consultant,
Communication Architecture

Jose Martin,
CEO,
PowerTrunk

Senior Executive,
Deuta-Werke America

Andreas Buchwieser
Director Product Management,
Wind River

Jim Hanlon,
Vice President - Rail Systems,
Herzog

Senior Executive
Leidos

ADVISORY BOARD MEMBERS

Our Advisory Board consists of the industry's leading experts and innovators. They meet once a year to discuss challenges in the industry and propose key topics that should be present on the agenda. The board is made up of railroads, associations, consultancies and suppliers to make sure every viewpoint is expressed. This ensures the event remains industry-led.

Sid Bakker
Committee 39 on PTC
AREMA

Bill Everett
Business Development - PTC,
Narrowbanding, Security
ARINC / Rockwell Collins

Dan Yerina
Sales & Business Development Manager
North America, Rail Control Solutions
Division
Bombardier Transportation

Charles A. Wisniewski
President
Convergent Communications, Inc.

Jon Adams
Vice President Strategy & Marketing
Lilee Systems

Timothy Horan
Engineering Officer - Communications &
Signals
MBTA

Berry Yeldell
Senior Product Manager
GE Transportation

Guy Craynor
Senior Account Manager
Meteorcomm LLC

George Olague
Product Manager
PCTEL

Abey Paul
Senior Market Development Manager
Siemens

Scott McKelvie
VP Sales
TPSC

Mark Dysart
Senior Associate
Transportation Learning Center

Sebastian Oertel
Chief Operating Officer
TÜV Rheinland

William Whitford
Sales Director
Wabtec

Larry Jensen
SVP and Chief Mechanical Officer
Watco Companies

Excellent event, excellent venue. If you're interested in the rail industry in North America, you should definitely attend."

Barry Einsig, Global Transportation Executive, **Cisco**



Past attendees include:

Alaska Railroad Corp ■ Belt Railways Company of Chicago ■ Caltrain, DART ■ Ferrocarril Mexicano S.A. de C.V. (Ferromex) ■ Genesee & Wyoming Inc ■ Herzog Technology ■ IBM ■ Lockheed Martin ■ Long Island Rail Road ■ Massachusetts Bay Commuter Rail ■ Metra Railroads ■ Metro North Railroad ■ Metrolink ■ NASA Jet Propulsion Laboratory ■ New York City Transit ■ Panama Canal Railway Company ■ Railway Association of Canada ■ Red Hat ■ Transportation Safety Board of Canada ■ Union Pacific Railroad and many more...



It's important, so that the stakeholders, the several hundred people who are gathered here today, can talk to one another about issues they may have and about how to solve problems. It's also important to hear from those who make the decisions, who carry out the laws and who make the laws, who they need to work with on a regular basis. This kind of interaction and communication and collaboration is essential to doing what we have to do to ensure PTC is implemented."

Ray LaHood, former US Secretary of Transportation on the 2014 edition of the PTC World Congress.



Read exclusive news, interviews and features with those at the forefront of PTC

PTC WORLD CONGRESS & RAIL CAPACITY SUMMIT: MORE THAN JUST A CONGRESS

The PTC World Congress and Rail Capacity Summit team is committed to providing more than just the annual definitive PTC and rail capacity event. We are dedicated to driving development, safety, and innovation. As well as this fantastic event, Global Transport Forum produce the SmartRail congress and exhibitions for the USA, European and Asia markets; all with the aim of helping rail and metro industry drive innovation and remain competitive.

Outside of this high-level strategic PTC World Congress and Rail Capacity Summit, and our larger SmartRail exhibitions worldwide, you can read the latest rail technology news, interact and network with 1000s of like-minded rail experts across the world through our SmartRail World website, our LinkedIn groups and Twitter.



SmartRail World Interview Snippet with Timothy McKay, P.E., Executive Vice President Growth and Regional Development at Dallas Area Rapid Transit (DART).



How important is developing interoperability and open standards for maximizing the potential for PTC?



Open standards are vital to interoperability and successful operations of train movements across the nation's railways. Beyond the obvious benefit of ensuring that equipment from different suppliers work seamlessly, open standards allow suppliers to offer competitive solutions and options for Operators. Furthermore open standards allow suppliers to develop innovative solutions that ultimately advance the technology making it more resilient and affordable.

A key to the long-term viability of PTC interoperability lies with technology sustainability which will only be achieved if open standards are applied and maintained. Of course with opens standards, a big challenge will be to find a way to maintain quality, configuration management, version control to ensure implementation consistency and ongoing interoperability."

For more visit www.smartrailworld.com



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PTC WORLD CONGRESS: WORKSHOP DAY - MARCH 10th 2015

Interactive Workshop Sessions

Focusing on the most pertinent topics for across the industry, these workshop sessions offer a perfect platform for interaction, debate and best practice sharing. Led by specialist facilitators, delegates will listen to a 20 minute case study before discussing on their tables, the challenges presented. Each table will then feedback to the whole group their conclusions, so you can take practical information back to the office to improve your business!




14:00	Interactive Workshop 1: PTC: Keeping your solutions Safe & Secure while creating new Revenue Streams Wind River 	Interactive Workshop 2: Strategies for change - implementing new technologies on your network Jim Hanlon, Vice President - Rail Systems, Herzog
15:00	Networking Coffee Break	
15:30	Interactive Workshop 3: Spectrum Acquisition & Telecommunications Delivery for PTC and beyond Alan Tilles, Narrowbanding Task Force Chair, Joint Council on Transit Wireless Communications 	Interactive Workshop 4: Developing a successful and effective training strategy for your railroad Transportation Learning Center Mark Dysart, Senior Associate, Transportation Learning Center
16:30	Workshop reports: Moderator conclusions from workshops	
17:00	Pre Conference Delegate Reception and Drinks Open to all speakers and event attendees, our always popular pre- congress drinks reception is the perfect place to relax with a selection of wine, beer and soft drinks and make new connections, catch up with old contacts and discuss all the latest developments and industry gossip! See you there!	

The PTC World Congress is the best venue for anyone needing in depth information as well as a global perspective on the PTC industry today."

Wilson Milian, Design Manager, New York City Transit

CONGRESS DAY ONE - MARCH 11th 2015

OPENING PLENARY SESSION

<p>08:00 Congress Registration and Networking Coffee in the Exhibit Room</p> <p>08:50 Official Congress Opening Morning keynotes: Ensuring safety and increasing capacity across the US rail network Since the Rail Safety Improvement Act of 2008, US freight and commuter railroads have endured financial burdens and time pressure of PTC implementation. Alongside this key safety issue, capacity and congestion has become a key headache as demand for freight transport grows. With the originally mandated deadline fast approaching, this session invites major government decision makers and influencers to look at the current position of the market and highlight the key challenges across safety and capacity issues. What needs to be done? <ul style="list-style-type: none"> • The importance of safety on the US rail network • Increasing capacity to improve service • Enhancing capacity without impacting safety • Ensuring competitive rail in the US </p>	<p>09:00 Market Review: US rail outlook: Developing safety and efficiency. Where are we now and where do we need to be? Jason Kuehn, Associate Partner, Oliver Wyman </p> <p>09:20 PTC in 2015: Where are we now? <i>Executive Board Member, National Transportation Safety Board</i></p> <p>09:40 Maximising capacity to improve service Robert Gutman, Director Process Improvement, CSX Transportation</p> <p>10:00 Building a new railroad - opportunities and challenges Noranne Downs, District 5 Secretary, Florida District of Transportation</p>	<p>10:20 Interactive keynote Q&A An interactive session that gives chance for the whole congress audience to ask questions to key national industry decision-makers. <i>Executive Board Member, National Transportation Safety Board</i> Robert Gutman, Director Process Improvement, CSX Transportation Jim Hertwig, President & CEO, Florida East Coast Railway Karen Antion, PTC Project Manager, Caltrain Noranne Downs, District 5 Secretary, Florida District of Transportation Bernie Sanders, Director Positive Train Control, CSX Transportation</p> <p>10:40 KEYNOTE EXHIBITION WALK & NETWORKING COFFEE BREAK   All exhibitors will receive the chance to meet and network with keynote speakers, as they are walked around the exhibition room throughout the networking break</p>
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PTC WORLD CONGRESS SESSIONS

PTC in 2015: the deadline year.

Safety remains an absolute imperative across the US rail network. With the debate continuing over the financial burdens and time constraints of PTC implementation, this session invites senior executives to give a progress report on the current PTC picture in North America. What are the key lessons learned to ensure time and cost effective delivery and how can the technology be deployed to ensure safety and reliability on US railroads?

- Overcoming hurdles to implement PTC
- Progress report: what happens now?
- Collaboration to guarantee safety
- Key lessons learned to meet deadline

<p>11:20 CASE STUDY The practicalities and requirements of developing PTC ahead of the 2015 deadline Karen Antion, PTC Project Manager, Caltrain</p> <p>11:20 CASE STUDY Moving PTC from the Lab and into the Field. Bernie Sanders, Director Positive Train Control, CSX Transportation</p> <p>12:00 CASE STUDY Can We Make PTC Simple to Implement? Dr. Alan Rao, Secretary of Rail Transit Systems Committee, Transportation Research Board</p> <p>12:20 PANEL DISCUSSION Collaborating with the industry to guarantee a safe and interoperable US rail network: Louis F. Sanders (Director, Technical Services, American Public Transportation Services) Jo Strang (Vice President for Regulatory Affairs, American Short Line and Regional Railroad Association), Vince Verna, (Director Regulatory Affairs, Brotherhood of Locomotive Engineers and Trainmen), Director (National Transportation Safety Board), Bernie Sanders, Director Positive Train Control, CSX Transportation Karen Antion (PTC Project Manager, Caltrain) Dr. Alan Rao, Secretary of Rail Transit Systems Committee, Transportation Research Board</p>
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12:40 Networking lunch  

Deployment Methodology

In order to keep within financial and time restraints, meticulous planning of a railroad's PTC deployment is essential. This series of case study presentations will highlight experts' and PTC project leaders' current progress and suggestions for best practice, tackling the issues behind planning and maximising a deployment strategy

- Planning and managing a deployment strategy
- Delivering PTC on time and on budget
- Delivering PTC cost effectively
- Ensuring an interoperable PTC network


<p>14:00 CASE STUDY Deploying PTC from a clean slate Joseph Black, Rail Director, Lone Star Rail District</p> <p>14:20 CASE STUDY Lessons from deploying PTC in Panama Steve Hooper, Ex- Director of Operations (Panama Canal Railway) & Consultant</p> <p>14:40 CASE STUDY Putting a long term plan in place for deployment and operation Dennis Story, Senior Manager, Communications and Control Systems, Dallas Area Rapid Transit (DART)</p> <p>15:00 PANEL DISCUSSION Creating a culture of safety and ensuring buy in, to enable smooth PTC deployment Steve Hooper, Consultant (ex-Panama Canal Railway) Joseph Black (Rail Director, Lone Star Rail District) Dennis Story (Senior Manager, Communications and Control Systems, Dallas Area Rapid Transit (DART)) Harry Baumann, Manager Engineering Training, Long Island Rail Road Vince Verna, (Director Regulatory Affairs, Brotherhood of Locomotive Engineers and Trainmen) Dr. Alan Rao (Secretary of Rail Transit Systems Committee, Transportation Research Board)</p>

15:30 Networking coffee  

Maximum efficiency in railroad management and efficiency

With communication technology evolving, the complex US rail network can reduce cost, ensure safety and manage capacity more effectively, by taking advantage of asset and fleet management platforms and integrating the network. Maintenance cost is reduced, safety is improved through performance data and capacity and congestion issues decrease as a result of better dispatch. Railroads can improve their approaches to the acquisition, storage and usage of asset information to manage traffic more effectively.

- Impact of traffic management on safety and congestion
- effective asset management to reduce cost
- fleet management in real time
- utilising technology

<p>16:00 CASE STUDY Making cost effective investment decisions to enhance operations Lou Sanders, Director, Technical Services, APTA</p> <p>16:20 CASE STUDY Safer and more efficient networks through, real time information and maintenance Joe Greco, Engineering Manager, Bombardier Transportation</p> <p>16:40 CASE STUDY Managing staff and resources for maximum efficiency Suzan Caylen, Senior Manager, Regional Ops Support, Union Pacific</p> <p>17:00 PANEL DISCUSSION The impact of greater asset management on safety and capacity. Joe Greco, Engineering Manager, Bombardier Transportation Lou Sanders, Director, Technical Services, APTA Ron Lindsey, Consultant, Communication Architecture David Schanoes, Principal, Ten90 Solutions LLC Suzan Caylen, Senior Manager, Regional Ops Support, Union Pacific</p> <p>17:30 End of day 1 and networking drinks reception </p>
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CAPACITY SUMMIT SESSIONS

The Congestion Challenge

Railroads have huge seen increases in both train miles and tonnage in recent years. It is at the stage now however, where rail road mainlines are at or near capacity. The challenge is a complex one with the solutions founded a number of interconnected factors. There is capacity on the track, but the question is how best to use existing resources more efficiently.

- The congestion challenge on US rail networks
- Meeting increased freight demand
- Managing traffic to increase capacity
- Decreasing network congestion

<p>11:20 CASE STUDY Improving service to meet demand Jim Hertwig, President and CEO, Florida East Coast Railway</p> <p>11:40 CASE STUDY Ensuring a safe but expanding US Rail network Andrew Huddleston, Senior Analyst, US Government Accountability Office</p> <p>12:00 CASE STUDY Meeting demand and making rail a competitive option Todd Gruenemeier, Rail Manager, Florida Department of Transportation</p> <p>12:20 PANEL DISCUSSION Overcoming the capacity issues to meet service demands: Robert Gutman (Director Process Improvement, CSX Transportation) Andrew Huddleston, (Senior Analyst, US Government Accountability Office) Todd Gruenemeier, Rail Manager, Florida Department of Transportation Leonid Bukhin (Director of Engineering Transit Operations, Los Angeles County Metropolitan Transportation Authority)</p>
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Growing capacity through smarter communications networks



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 introductory presentation, will discuss on their tables the challenges presented. Each table will then feedback to the whole group their conclusions, so you can take practical information back to the office to improve your business.

About the session: Rewards are high for greater capacity, but developing it is a challenge. Even when the go-ahead to grow capacity is given, a number of opportunities exist. A whole new operating strategy is required to maximise the extra capacity and dispatch and there may be cost effective options that will reduce congestion. And this where smarter communications networks come in.

- What are the challenges?
- Aggregating multiple communications networks to work in parallel
- The open application platform
- Hosting on-board platforms

Led by **Mats Karlsson, Head of Innovation, Icomera**



15:30 Networking coffee  

CONGRESS DAY TWO - MARCH 12th 2015

OPENING PLENARY SESSION

08:30 Congress Registration and Networking
Coffee in the Exhibiton Room

Operational Impact of PTC
Beyond the obvious cost and implementation challenges associated with PTC, there is also an operational impact that railroads must consider. Interoperability must be ensured to maximise safety, reduce delays and furthermore, with demands increasing, it must be aligned with the need to increase capacity. Beyond the operation challenge in terms of scheduling and capacity there is also the workload and training element of PTC that must be looked at to ensure it is being operated in the most reliable and effective way.

- The impact of PTC on capacity and efficiency
- Ensuring long term interoperability
- Enhancing capacity without impacting safety
- Workforce training and technology upgrades

09:00 **CASE STUDY** Ensuring enhanced operations and safety through interoperability
Dan Cuozzo, Engineer PTC & Signal, Long Island Rail Road

09:20 **CASE STUDY** Ensuring operational reliability to help service
Leonid Bukhin, Director of Engineering Transit Operations, Los Angeles County Metropolitan Transportation Authority

09:40 **CASE STUDY** Simultaneously providing safety and greater operating efficiency.
Senior Executive, Deuta-Werke America

10:00 **PANEL DISCUSSION**
Ensuring PTC is operated reliably and at maximum capacity to ensure a safe and competitive service.
Dan Cuozzo, Engineer PTC & Signal, Long Island Rail Road
Leonid Bukhin, Director of Engineering Transit Operations, Los Angeles County Metropolitan Transportation Authority
Steve Hooper, Consultant (ex-Panama Canal Railway)
Senior Executive, Deuta-Werke America
Ron Lindsey, Consultant, Communication Architecture

10:30 Networking coffee ☕👥

PTC WORLD CONGRESS SESSIONS

Building an effective workforce

Not only must the technology be properly certified but to implement a true safety culture at your railroad and deliver PTC successfully, there must be a committed and well trained workforce. With PTC a new system for many, this session looks at effective training methods and the importance of building a committed workforce at your railroad.

11:10 **CASE STUDY** The role of labor and training in ensuring successful PTC deployment
Vince Verna, Director Regulatory Affairs, Brotherhood of Locomotive Engineers and Trainmen

11:30 **Developing and managing training programs to meet present as well as future needs as technology evolves.**
Harry Baumann, Manager Engineering Training, Long Island Rail Road

11:50 **ROUNDTABLE DISCUSSION: Best practice in workforce training and development when installing new systems**
Led by: Mark Dysart, Senior Associate, Transportation Learning Center

Panellists include:
Vince Verna, Director Regulatory Affairs, Brotherhood of Locomotive engineers and Trainmen
Harry Baumann, Manager Engineering Training, Long Island Rail Road



12:40 Networking lunch 🍴👥

CAPACITY SUMMIT SESSIONS

Meeting increased demand effectively

Demand on both freight and commuter is growing from a number of sources. But expanding a rail network is a careful balancing act requiring work with service quality, operating efficiency, safety and financial returns. Whilst the efficient and reliable movement of freight has to be balanced with passenger train demands.

11:10 **CASE STUDY** Creating an integrated freight solution to the capacity challenge
Romm Doulton, CEO & President, Railport Las Vegas

11:50 **Designing and operating facilities to enhance intermodal capacity.**
Patrick McCrory, Vice President & Chief Operating Officer, Palmetto Railways

11:30 **Building partnerships and networks to ensure growth**
Jeff Davis, CEO & General Manager, New Orleans Public Belt Railroad

12:10 **ROUNDTABLE DISCUSSION: Industry trends and growth opportunities**
Jason Kuehn, Associate Partner, Oliver Wyman

Panellists include:
Romm Doulton, CEO & President, Railport Las Vegas
Jeff Davis, CEO & General Manager, New Orleans Public Belt Railroad
Patrick McCrory, Vice President & Chief Operating Officer, Palmetto Railways

Led by:



PTC WORLD CONGRESS PRIZE GIVEAWAY

13:45 Ensuring effective telecoms systems on an increasingly complex network.

The addition of Positive Train Control, need for better traffic management and the increasing digitalization of the railway, puts additional strain on the telecom network. Not only must it ensure safety but advancing the network, integrating the back office and ensuring monitoring, can reduce costs and improve service. What should the modern and integrated telecoms network look like and how can this be accomplished?

- Integrating systems to reduce cost
- Overcoming the spectrum challenge to ensure reliability
- What should the modern telecoms system look like?
- Dealing with the complexity of the telecom network to ensure safety

14:00 **CASE STUDY** Developing new technologies to improve performance
François Blouin, Director, Corporate Architecture and Emerging technologies, ViaRail (TBC)

14:20 **CASE STUDY** Overcoming challenges in delivering a reliable telecoms backbone for operations
Alan Tilles, Narrowbanding Task Force Chair, Joint Council on Transit Wireless Communications

14:40 **CASE STUDY** Innovative technology to deliver safe and secure telecoms networks
Jose Martin, CEO, Powertrunk

15:00 **PANEL DISCUSSION** Creating a strong telecom backbone to support the growing rail industry
Alan Tilles, Narrowbanding Task Force Chair, Joint Council on Transit wireless Communications
Jose Martin, CEO, Powertrunk
François Blouin, Director, Corporate Architecture and Emerging technologies, ViaRail

15:30 Networking Coffee Break ☕👥

16:10 **Oliver Wyman Closing report**
To finish the showcase, the show chairman will provide some concluding thoughts to the congress, providing key learnings and lessons learned from the 2 days.
Jason Kuehn, Associate Partner, Oliver Wyman

16:30 **END OF PTC WORLD CONGRESS 2015**

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Book your pass now: www.ptcworldcongress.com

SPONSORSHIP & EXHIBITION OPPORTUNITIES

With an intimate setting and over 300 senior leaders from freight railroads, commuters, transit agencies, associations and Government, the PTC World Congress and Rail Capacity Summit is the ultimate business development opportunity for credible and innovative suppliers.

If you are looking to increase market presence and build your brand, announce and demo new products and meet and do business with buyers across the whole value chain, you need to exhibit at the 5th Annual PTC World Congress and Rail Capacity Summit.

Exhibition stands are strictly limited and sold on a first come, first served basis. To reserve your stand please contact:



Ben Edwards,
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TOP 10 REASONS TO EXHIBIT

Cut costs and meet all your current and potential customers in one place, at one time

1

Maximise the growth of your business by building relationships with colleagues, customers and competitors

2

Prove your thought leadership by showcasing your latest innovations

3

Raise your profile and show that you are a major industry player

4

Maximise interaction to understand what your customers are looking for

5

Influence key decision makers and ensure your message reaches key industry figures

6

Ensure you are at the cutting edge and keep up with industry trends

7

Highlight to all your customers how your solution can help achieve their goals

8

Protect your market position and secure crucial growth

9

Your competitors will be there. Don't let them win business at your expense

10

INDUSTRY STATS



\$13.2 billion
Estimated total cost to install and maintain PTC over next 20 years



70,000
Miles of track to be mapped



75%+
of 150,000 employees need some training for PTC



22,000
Locomotives need to be shopped + outfitted with interoperable hardware



65 Lives
and 1,000+ injuries across 26 NTSB investigations could have been avoided with PTC



300
Senior, technically-minded and decision-making attendees



35 Case Studies
clarifying and explaining current freight and commuter railroad challenges and successes



20 Exhibitors
showcasing innovative brands, products and solutions



2 Streams
so your whole team can benefit

CONGRESS STATS



"PTC World Congress is a great opportunity. This event is really important to the industry."

Jon Adams, VP, Strategic Development, Lilee Systems

March 10-12th 2015, Rosen Shingle Creek, Orlando, Florida

REGISTRATION DETAILS

PLEASE USE CODE PTCBR1 WHEN REGISTERING + SAVE A FURTHER 10% WHEN REGISTERING ONLINE

3 EASY WAYS TO REGISTER



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FREE FOR GOVERNMENT, RAILROAD AND METRO EMPLOYEES!	FREE	FREE	FREE
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All Industry suppliers can register at the following rate. Benefit from the early bird discount and save \$500 today.

EVENT PACKAGE	BOOK BY 12TH FEB 2015	STANDARD PRICING**
FULL CONFERENCE EXPERIENCE	\$2095	\$2195
2 DAYS ONLY	\$1695	\$1795

** Unpaid or unprocessed registration by the time of the event will be charged at this rate plus \$200 onsite booking fee

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PAYMENTS
 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 February 24th, 2015. To pay by card, call us at +44(0)20 7045 0900 or book over the phone or online. Registration is open NOW!

OPTION 2: I ENCLOSE A CHEQUE PAYMENT. Cheques should be drawn on a UK bank and made payable to: Global Transport Forum Ltd.

OPTION 3: PAYING BY BANK TRANSFER, PLEASE INVOICE ME. This option is not available after February 24th, 2015. 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. **IMPORTANT:** In order for us to track your payment and confirm you, please reference the bank transfer with PTC15 and the last name of delegate 1. Bank: HSBC Bank, 88 The Broadway, London N10 3RX. Account Name: Global Transport Forum Ltd. Sort code: 40-04-37 Account Number: 51630148

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

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Take advantage of our technical and strategic streams, breakouts and interactive roundtables by bringing your whole team! Buy 3 passes and get the 4th pass completely free! Additional options available for larger groups, please email marketing@globaltransportforum.com

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"The conference was informative, passionate and contained industry experts with various positions. The challenges that everyone faces are dynamic but this conference presented many solutions to these issues."

Patrick Brouard,
Director of Start-Up, Testing & Program Integration of Capital Programs,
MTA Harris County

"Global Transport Forum are the most professional people in our PTC World. Both panel and roundtable discussion sessions are very helpful and timely for our work."

Alan L. Rao,
Director of Start-Up, Testing & Program Integration of Capital Programs,
U.S. Department of Transportation

"Global Transport Forum's PTC World Congress is the only event concentrated on the FRA initiative. The focus of the event, and the quality of the attendees, makes it the industry's only must attend PTC event."

Alan Tilles,
Narrowbanding Task Force Chair,
Joint Council on Transit Communications