

The Only Infrastructure Operator-Led Conference Entirely Dedicated To The Transition Towards Track Predictive Maintenance

**SAVE \$400**  
Register By March 31



AMERICAN RAILROAD MAINTENANCE

# Track Modernization & Asset Utilization 2017

May 24 and 25, 2017 | Washington D.C.

## Integrate New Technology, Operationalize Change Management And Develop Data Driven Programs For Track Asset Management & Predictive Maintenance

*Identify Rail Defects Faster, Extend Component Life Cycles And Develop 21st Century Ready Systems Within Tight Budget Constraints*

### WHAT THIS CONFERENCE WILL DELIVER TO DELEGATES:

- **The Only Event To Put Predictive Maintenance In The Spotlight:** International case-studies for moving predictive maintenance forward and maximizing returns over the long-term.
- **Quickly Integrate New Technology:** Tackle the challenges of integrating new technologies within a maintenance plan while identifying cost-effective tools, software and systems while mitigating financial constraints.
- **Effectively Train Multi-Generational Employees:** Understand the best methods and processes to train for technology, safety and practice to new and existing staff.
- **Maximize Your Asset Life-Cycles:** Learn how to best maintain and extend the life-cycle of critical rail assets and make valuable savings on component renewals.
- **Dismantle Cultural Silos:** Full examination of how an organization can read and share information while fully leveraging available resources.
- **Handle Data Smarter And Faster:** Examine best approaches for handling large reports and data volumes to make decisions faster and minimize backlogs.
- **Safety In Focus:** All case-studies selected to ensure that safety is not compromised for productivity.

### LEADING EUROPEAN AND AMERICAN INDUSTRY RAILROAD EXPERTS



**Andrew Off**  
Assistant General Manager  
Washington Metropolitan Area Transit Authority



**Michael Holbrook**  
Assistant Vice President Ways, Structures & Amenities  
Dallas Area Rapid Transit



**Daniel Turetsky**  
Deputy Director, EAM Analysis  
New York City MTA



**Pascal Baran**  
Director Engineering Operations  
Keolis Commuter Services



**Tim Flower**  
Professional Head of Maintenance  
Network Rail



**Ildefonso Burgos**  
Washington Metropolitan Area Transit Authority  
Deputy Chief Engineer Amtrak



**James Reaves**  
Superintendent, Light Rail Maintenance  
Maryland Transit Administration

American Business Conferences

[www.track-maintenance-america.com](http://www.track-maintenance-america.com)



# AMERICAN RAILROAD MAINTENANCE Track Modernization & Asset Utilization 2017

**SAVE \$400**  
Register By March 31

Increased ridership and reliance on American and Canadian rail has driven wear and tear across the continent, and has increased maintenance costs and strained operators' resources.

Infrastructure operators are looking for new, cost-effective processes that will streamline their operations. Every organization faces hurdles and **Track Maintenance Modernization & Asset Utilization 2017** will bring together key industry experts and infrastructure operators to provide the roadmap towards a continuous life cycle of predictive maintenance.

Taking place in Washington D.C., the conference will tackle every angle from **life-cycle engineering** and **change management** to **multi-generational training** and **track component-specific maintenance improvement**, through presenting attendees process-orientated case-studies that will effectively maximize their infrastructure operator's assets.

*"An excellent congress, and one which is very relevant to my position and company's development."*

*Alstom Transport*

## Move To Predictive Maintenance

Led by infrastructure operators across North America and Europe, the conference will provide the ideal base line to set the foundation for your predictive maintenance programme. All attendees will witness the roadmap to predictive maintenance through dissecting which cost-effective technologies, data compilation techniques and cultural requirements for an organization to succeed.

## Identify And Integrate New Technology

Access key studies that will allow you to harness the latest technologies that will **minimize inspection times**. Through identifying user-friendly software suited at all levels of an organization to remote condition monitoring technology, all case-studies are tailored to enhance **decision-making** and **maximize resource efficiency**.

## Putting Life-Cycle Engineering In Focus

Renewal costs of key component build up on an organization's bottom line, reducing the opportunity to invest money into other areas. Through component-level detail, attendees will access the best practices and approaches towards extending the life cycle of assets while minimizing unnecessary resource allocations.

### Venue Information

Capital Hilton, Washington D.C.  
1001 16th St NW, Washington, DC 20036, USA  
Phone:+1 202-393-1000



### Sponsorship Opportunities

The **Track Modernization & Asset Utilization 2017** event is a not-to-be missed opportunity for service providers and suppliers to showcase their products, services and products that can help the American Railroad community overcome real challenges towards their maintenance practices.

#### Showcase your Thought Leadership

If your products, services and technology can offer a real solution to the challenges addressed by this program, you may be interested in sponsoring this event and getting your message out to our distinguished audience of operators.

#### Increase Brand Awareness and Advertise Your Profile

Increase and cement your brand with your direct target market, through active and multi-lateral participation. The program & organizers can be a great way of facilitating introductions and showcasing your brand to the right people before and after the program.

#### Network With Key Market Stakeholders

Through your active participation, you will be able to forge and build new relationships, and consolidate on existing ones, as well as staying abreast with the latest developments in track maintenance.

#### Do You Manufacture Or Provide Technology Solutions In Any Of These Areas?

If so, please do get in touch and explore how best you can participate and expose your solutions to the right buyers, and find out which comprehensive package is best suited to you:

**Contact:** [sponsorship@lbcg.com](mailto:sponsorship@lbcg.com)

**(1) 800 721 3915**

[www.track-maintenance-america.com](http://www.track-maintenance-america.com) (1) 800 721 3915 [info@american-business-conferences.com](mailto:info@american-business-conferences.com)



**DAY 1: Predictive Maintenance & Best-In-Class Approaches For Maintenance Planning To Minimize Operating Costs Within Tight Financial Constraints**

Day One will present leading case-studies from European and North American transit agencies as to how to best prepare and plan - on a tight budget - maintenance and asset management while leveraging and integrating the latest cost-effective technology.

**9.00**

Chair's Opening Remarks

**KEYNOTE: Implementing New Technology & Cultural Change To Transform The Business Of Track Maintenance**

**9.10**

**Integrate New Technology To Fully Utilize Track Assets Within Financially Constrained Environments And Move Away From A Reactive-Based Culture**

- Understand the best step by step organizational business change process of moving from reactive maintenance to proactive maintenance
- Learn how to successfully integrate real-time information, data compilation, analysis remote-condition monitoring technologies into a maintenance program
- Define the basic components and structures of a predictive maintenance regime to make the transition more streamlined
- Identify best technologies that are needed for to apply predictive maintenance to quickly implement predictive maintenance within day-to-day operations
- Find out and compare the organizational culture that is needed to succeed in implementing predictive maintenance

**Andrew Off, Assistant General Manager, Washington Metropolitan Area Transit Authority**

**9.50**

**Predictive Maintenance In Practice - European Case Study**

**Realize The Standards And Metrics Of A Predictive Maintenance Regime To Reduce Delays, Operating Costs And Attrition**

- Benchmark standards of maintenance to alleviate knowledge gaps for transitioning to predictive maintenance
- Understand financial resourcing and staffing within a predictive maintenance system to enhance decision-making and resourcing
- Learn tooling and technologies that are already applied within a predictive maintenance regime to ease implementation

**Tim Flower, Professional Head of Maintenance, Network Rail**

**10.30**

Morning Refreshments In The Showcase Exhibition Area

**11.00**

**ASSET MANAGEMENT PLANNING**

**DETERMINE HOW TO PLAN CRITICAL TRACK ASSETS AND EXAMINE BEST PRACTICES FOR EXTENDING ASSET LIFE-CYCLES TO MINIMIZE NEED FOR RE-INVESTMENT AND ALLOCATE RESOURCES MORE EFFECTIVELY**

**Strategic Asset Management Planning**

**Outline Organizational Strategies To Develop A Strong Asset Management Programme To Maximize Return On Long-Term Investments**

- Learn how to meet FTA requirements without ambiguity to remain compliant through meeting performance reporting requirements seamlessly
- Understand the best practices to move legacy information from one system to another to minimize time spent in transition
- Recognize planned maintenance of equipment of its life-span to determine what interventions have to be made to enhance decision-making

**Daniel Turetsky, Deputy Director EAM Analysis, New York City MTA**

**11.40**

**Life-Cycle Extension**

**Realize The Best Practices For The Life-Cycle Of Key Track Assets To More Efficiently Utilize Limited Resources And Save Money On Component Renewals**

- Analyze the best ways of determining the expected life expectancy to realize what can be done with the component to extend its life span
- Recognize best technologies available to prolong the life span of the rail
- Leverage the benefits of grind patterning and traffic data to identify rail flaws on the rail and best advise on the type of rail to use

**12.20**

Lunch In The Exhibition Showcase Area

**NEW TECHNOLOGY INTEGRATION**

**ACCESS KEY CASE STUDIES TO HARNESS THE LATEST TECHNOLOGIES TO MINIMIZE INSPECTION TIMES, MANPOWER RESOURCES AND ENHANCE WORKER SAFETY**

**1.20**

**User-Friendly Software For Preventative Maintenance**

**Understand The Software Landscape To Allow Faster Sharing Of Information And Decision-Making For Faults On The Track**

- Find out how other infrastructure operators link up their software packages to present user-friendly information of defects
- Learn how to consolidate information between engineering and rail detection teams to produce more efficient outputs of fault detection
- Determine the best ways to consolidate data and information at the end of the day to save time on data compilation

**2.00**

**Remote-Condition Monitoring Technology**

**Discover How To Harness And Move Towards Remote Inspection Technologies To Reduce Time And Manpower On The Line**

- Find out how a railroad operator made the transition basic walking inspections to drone technology to make rail inspections faster
- Learn how drone inspection data can produce consistent results to allow better allocation of resources



**DAY 1: Predictive Maintenance & Best-In-Class Approaches For Maintenance Planning To Minimize Operating Costs Within Tight Financial Constraints**

- Size up mobile and GPS technologies that are user-friendly to diagnose faults on the track and relay information quickly
- Contrast what work can be scaled manually or through automation technology to identify improvement opportunities and maximize overall railroad uptime
- Investigate best applications of camera technology to accurately diagnose gauge issues to reduce inspection time

**2.40**

**Forecasting Defects**

**Improve How Digital Technology Can Identify Potential Areas Of Derailment And Utilize Inspections To Maximize Railroad Uptime**

- Determine what measurements and metrics a railroad operator undertakes to form more accurate conclusions of derailment
- Understand the condition of the rail through determining when defects have occurred on the railroad to quickly forecast future derailments
- Learn how to make information more actionable between different departments during inspection to fully maintain FTA and FRA inspection standards
- Track geometry car vs. man on the railroad: Weigh up the pros and cons of manual vs. automated inspection to better utilize resources

**Gregory O'Hare, Assistant Director of Capital Programs, Port Authority of Allegheny County**

**3.20**

Afternoon Refreshments In The Exhibition Showcase Area

**3.50**

**Technology Benchmarking Roundtable**

**Define The Landscape Of New Technologies To Integrate Within An Operator's Maintenance Plan To Maximize Return Of Investment On Improvements**

- Tackle the challenges of integrating new technologies within the maintenance program to maximize efficiencies
- Exchange best tooling provisions for track inspectors and workers that are light weight to minimize worker's fatigue on the railroad
- Discover what technologies that can be used on the track that enhance safety and minimize risk to the foreman

- Find out which remote-condition monitoring tools are available within constrained budgets to find defects on the track quickly
- Discuss approaches towards training different generations of workers with different technology groups to maximize human capital

**Moderated By: James Reaves, Superintendent, Maryland Transit Administration**

**4.50**

**TRAINING & HUMAN RESOURCES**

**BENCHMARK TRAINING PRACTICES TO OPTIMIZE PRODUCTIVITY, INTEGRATE NEW TECHNOLOGY AND FOSTER A CULTURE TO ADAPT TO MINIMIZE BACKLOGS AND COPE WITH NEW DEMANDS IN MAINTENANCE**

**CASE STUDY: Training For The 21st Century**

**Understand Best Approaches Towards Training New And Existing Staff On Latest Maintenance Practices And Technologies To Maximize Human Resources**

- Understand the best process of training instructors to adapt to the demands of training the 21st century track engineer and maintainer
- What process is best? Compare virtual training, practical, classroom-led initiatives and ascertain what is best for each situation
- Determine the best balance of delivering training programmes to minimize impact to the maintenance workflow

**Panelist: Damon Fry, Director of Maintenance, Chicago Ft. Wayne & Eastern Railroad**

**Panelist: Andrew Off, Assistant General Manager, Washington Metropolitan Area Transit Authority**

**Panelist: Mark Ward, Deputy Director of Maintenance of Way, Metro-North Railroad**

**5.30**

Chair's Closing Remarks

**5.40**

Drinks Reception In The Exhibition Showcase Area

**6.40**

End of Day One



*"Very good conference. A unique opportunity to meet with head engineers and maintenance managers from variety of companies and projects and to really see the main trends on rolling stock maintenance."*

*Bonatrans Group*



**Day 2:** Effective Maintenance Processes For Minimizing Access Time, Handling Large Data And Extending Critical Components Life-Cycles While Ensuring Employee Safety

Day Two will present break down best applications of maintenance through scheduling strategies, component-specific information and best employee practice on the line to ensure safety and productivity to reduce overall operating costs for the organization.

**9.00**

Chair's Opening Remarks And Recap Of Day One

**9.10**

**Strategies For Long-Range Maintenance Planning & Scheduling**

**Determine Best Long-Term Maintenance Planning Strategies That Maximizes Overall Resource Efficiency And Returns**

- Learn how to balance long-range planning and immediate service needs to minimize disruption to the customer and end-user
- Understand how to minimize the impact of technological innovations on the modeling process in long-range plans to better direct investments
- Size up the resources and financial commitments needed when running a higher reliability driven maintenance regime
- Determine the resource impact within the transition to a predictive maintenance plan will have to scope how to allocate resources
- Learn how to balance resources between two programs when transitioning a maintenance plan

Dave Couch, Rail Delivery Director, CalTrain

**9.55**

**HANDLING DATA**

**INVESTIGATE BEST COURSES OF ACTION TO HANDLE LARGE DATA SETS AND PRESENT CLEAN DATA ACROSS AN ORGANIZATION TO QUICKLY IDENTIFY DEFECTS**

**Aligning Data**

**Discover How To Best Align Incomplete Data Within An Organization And Optimally Consume Track Geometry Data To Minimize Reaction Times**

- Find out how to optimally consume large data sheets and reports to accurately understand what the data is saying
- Standardize data into one language to maximize accuracy of rail defects
- Understand how to fully map data with incomplete data sets to fully identify workload priorities

Henry Gooseman, Assistant Superintendent, Washington Metropolitan Area Transit Authority

**10.40**

Morning Refreshments In The Exhibition Showcase Area

**11.10**

**Track Inspection & Access**

**Leverage Best Practices To Streamline Track Access Times To Maximize Time On The Track**

Investigate best practices to minimize access time on the track while maintaining worker safety

- Discuss and contrast various processes of reaching defects on the line to minimize the timeframes of inspection to save on manpower
- Determine the best process to react to failure-based outages on the line to minimize the impact of customer and end-user

- Investigate best methods to bridge the communication gap between operations, maintenance and engineering teams to maximize railroad uptime and timeframe of repair

Pascal Baran, Director Engineering Operations, Keolis Commuter Services

**EMPLOYEE SAFETY**  
**REALIZE BEST PRACTICES TO MAINTAIN COMPLIANCE AND MAXIMIZE PRODUCTIVITY ON THE TRACK WHILE ENSURING EMPLOYEE SAFETY ON THE LINE**

**11.55**

**Employee-Orientated Safety**

**Investigate Optimal Safety Practices On Track To Maximize Employee Safety And Minimize Injures On The Track**

- Weigh up best personal protection equipment that is cost-effective and maximizes employee safety on the railroad
- Understand how to simplify safety rules for an organization so that critical information is not lost
- Analyze best flagging techniques on the railroad to ensure safety of workers against traffic on the railroad
- Realize best approaches towards moving staff on and off the track quickly while remaining compliant with FRA and FTA regulations to maximize track repair productivity

**12.40**

Lunch In The Exhibition Showcase Area

**1.40**

**BEST MAINTENANCE PRACTICES AND RAIL WEAR ROUNDTABLE**

**UNDERSTAND AND EXCHANGE HOW TO DEVELOP LUBRICATION AND GRINDING PROGRAMMES TO MINIMIZE RAIL WEAR OVER THE LIFE-SPAN THE RAIL**

Attendees will have the opportunity to discuss and exchange key practices for mitigating rail wear through a thorough dissection of lubrication and grinding practices that enable smoother rail and limit the need for the renewals.

**Lubrication Programmes & Grinding Practices**

**Analyze Best Practices For Lubrications Programs And Benchmark Grinding Practices On The Track To Minimize Rail Wear**

- Benchmark different technologies and tooling options for a lubrication programme to maximize effectiveness on the railroad
- Compare approaches towards lubrication programmes to minimize vibration and noise on the track
- Mitigate the impact of wayside grease on lubrication machines to lower operating costs of maintenance
- Analyze the optimal frequency of grinding that yields the best condition and profile of the rail

Determine best grinding practices to prevent defects on the rail and maximize the condition of the rail

- Resolve vibration and noise issues of the track through examining best practices for grinding the rail

Moderated By: James Reaves, Superintendent, Maryland Transit Administration



**Day 2:** Effective Maintenance Processes For Minimizing Access Time, Handling Large Data And Extending Critical Components Life-Cycles While Ensuring Employee Safety

**2.40**  
**COMPONENT-SPECIFIC MAINTENANCE**  
**ACCESS BEST MAINTENANCE PRACTICES FOR CRITICAL COMPONENTS ON THE RAIL TRACK TO EXTEND THE LIFE-CYCLE OF TRACK ASSETS, MINIMIZE DERAILMENT AND MAXIMIZE CORRECTIVE SUCCESS RATES**

**Plates & Ties**

**Examine Best Methods For Maintaining And Extending The Life Span Of Plates & Ties To Save Time And Money**

- Discover modernized approaches towards ties & plates that can prolong the life of components and minimize the need for renewal
- Exchange best practices for maintaining the plates & ties to reduce workload and maintenance on the components
- Learn how to quickly diagnose hollow spots and the life-span of the ties to see if it can hold the rail to reduce the risk of derailment

**3.25**  
**Afternoon Refreshments In The Exhibition Showcase Area**

**3.55**

**Frogs & Switch Points**

**Scrutinize Approaches Towards Maintenance Vs. Cost Of Frogs & Switch Points To Minimize Unnecessary Workload And Resource Allocation**

- Investigate best approaches to determining causes of frog component failures to diagnose problems quickly and efficiently
- Exchange best approaches for pinpointing the life-cycle of frogs & switch points to forecast defects of the components quickly
- Mitigate the impact of conditional factors such as weather and geography in forecasting defects and determining the condition of the component

**4.40**

**Spikes & Fasteners**

**Assess Best Practices For Better, Faster And Cheaper Maintenance Of Spikes And Fasteners To Maximize Efficiency Of The Parts**

- Discuss best approaches towards modernizing spikes to reduce the amount of needed labor on the railroad
- Contrast various power tools and technologies that speed the maintenance process and reduce time on the track
- Identify best methods for developing and enhancing fastenings to reduce the frequency of failure

**5.25**

Chair's Closing Remarks & Apple TV Draw

**5.35**

End of Conference



*"As a systems supplier to the rail industry the amount of experience shared here by operators (our customers) is really impressive."*

**KNORR-BREMSE**



*"A great opportunity to meet with peers, discuss experiences, develop and share new ideas. Absolutely essential for anyone who is committed to achieving excellence in maintenance management."*

**TPG**

*"A great event that sparked many interesting discussions between companies interested in achieving the same end goal."*

**Unipart Rail**

*"I appreciate the down to earth approach in many presentations."*

**Infrabel**

## Details PLEASE USE CAPITALS - PHOTOCOPY FOR MULTIPLE DELEGATES

### Delegate 1

Mr  Dr  Miss  Ms  Mrs  Other:

Name \_\_\_\_\_

Position \_\_\_\_\_

Organization \_\_\_\_\_

Email \_\_\_\_\_

Telephone \_\_\_\_\_

Address For Invoice Purposes \_\_\_\_\_

Zip/Postal Code \_\_\_\_\_

Country \_\_\_\_\_

### Delegate 2

Mr  Dr  Miss  Ms  Mrs  Other:

Name \_\_\_\_\_

Position \_\_\_\_\_

Organization \_\_\_\_\_

Email \_\_\_\_\_

## BRING YOUR TEAM & RECEIVE UP TO \*20% OFF

3 Delegates: \*10% OFF (Discount code: GROUP3)

4 Delegates: \*15% OFF (Discount code: GROUP4)

5+ Delegates: \*20% OFF (Discount code: GROUP5)

## Delegate Rates GUESTS ARE RESPONSIBLE FOR THEIR OWN TRAVEL AND ACCOMMODATION ARRANGEMENTS.

	Super Early Booking Discount	Early Booking Discount	Standard Rate
	Cut off date: Friday May 31, 2016	Cut off date: Friday April 28 2017	Cut off date: May 25 2017
2 Day Conference Suppliers & Service Providers	<input type="checkbox"/> <b>\$1,199 SAVING \$400</b>	<input type="checkbox"/> <b>\$1,399 SAVING \$200</b>	<input type="checkbox"/> <b>\$1,599</b>
2 Day Conference Private Transit Agencies	<input type="checkbox"/> <b>\$599 SAVING \$200</b>	<input type="checkbox"/> <b>\$699 SAVING \$100</b>	<input type="checkbox"/> <b>\$799</b>
2 Day Conference - FTA Grantees			<input type="checkbox"/> <b>\$499</b>
Live Streaming			<input type="checkbox"/> <b>\$999</b>

## Payment PLEASE TICK APPROPRIATE BOXES AND COMPLETE DETAILS

Payment must be received in full prior to the event.

**Option 1. CREDIT CARD** Please charge my  VISA  AMERICAN EXPRESS  MASTERCARD

Amount \$USD \_\_\_\_\_

Expiry date \_\_\_\_\_

Card number

Security Code / CVW (required) \_\_\_\_\_

Name on card \_\_\_\_\_

Signature of card holder \_\_\_\_\_

**Option 2. INVOICE** An invoice containing payment instructions will be sent electronically upon receipt of the completed registration form.

### Terms & Conditions

The conference is being organized by American Business Conferences, a division of London Business Conferences Ltd, a limited liability company formed under English company law and registered in the UK no. 5090859.

Cancellations received 30 days prior to the start of the event will be eligible for a refund less \$150 administration fee, after this point no refund will be given. Cancellations must be made in writing, if you are unable to attend you may nominate a colleague to attend in your place at no additional cost.

Receipt of this registration form, inclusive or exclusive of payment constitutes formal agreement to attend and acceptance of the terms and conditions stated.

All outstanding fees must be paid within our standard payment period of 7 days. Any outstanding invoices will remain valid should cancellation of attendance be received outside of the aforementioned cancellation period.

\*If you are claiming the early booking discount this may not be used in conjunction with other discounts advertised elsewhere. All discount

codes and offers must be claimed at the time of registration. American Business Conferences reserves the right to alter or cancel the speakers or program.

American Business Conferences reserve the right to refuse admission. We would like to keep you informed of other American Business Conferences products and services. This will be carried out in accordance with the Data Protection Act.

Please write to the Head of Marketing, American Business Conferences at the address below if you specifically do not want to receive this information.

American Business Conferences, City Center One, 800 Town & Country Blvd, Suite 300, Houston, Texas, 77024

American Business Conferences will not accept liability for any individual transport delays and in such circumstances the normal cancellation restrictions apply.

American Business Conferences is a Division of London Business Conferences Limited, Registered in England No. 5090859 EIN. no: 98-0514924

### How To Finalize Your Registration

Now that your details are completed please send your registration form to our Customer Service Team using one of the following options:

**Option 1. Email: [info@american-business-conferences.com](mailto:info@american-business-conferences.com)**

**Option 2. Fax: (1) 800 714 1359**

### Enquiries And More Information

Should you have any enquiries or if you would like to request more information contact our friendly **Customer Service Team** on **(1) 800 721 3915** or visit the conference website at **[www.track-maintenance-america.com](http://www.track-maintenance-america.com)**