



Virtual Conference

RAIL ASSET MANAGEMENT IN EUROPE

October 27-28, 2021 | 10:00 to 16:00 Central European Time (CET)

Hosted by:

Global **Mass Transit**

BACKGROUND

Digital asset management of railway systems is receiving a major boost in Europe. Investments in asset management enable rail infrastructure managers, rail operators and transit agencies/public transport authorities to improve service, increase reliability and punctuality, maximise customer satisfaction, improve utilisation of mobile, fixed and linear assets, manage risks, minimise whole life costs, reduce maintenance costs, maintain high levels of safety, and enable delivery of outcomes and priorities.

The focus is on deploying state-of-the-art technologies and moving from preventive to condition-based and performance-based maintenance. Some of these technologies include smart devices, big data analysis and the internet of things for predictive maintenance; digital twins to enable sustained asset management monitoring on a life cycle basis; advanced solutions for prognosis and health assessment at system level; advanced decision support systems (DSS) for holistic management, integration and cooperation; design and implementation of robotic solutions for automatic execution of maintenance and management policies; etc.

Intelligent and cost efficient asset management can contribute towards achieving the goals set under two of the European Commission's priorities for the period 2019-2024: The European Green Deal and the Europe fit for the digital age.

In light of these advancements, Global Mass Transit is organising a virtual conference on Rail Asset Management in Europe on October 27-28, 2021 to discuss development and implementation of asset management strategies and plans, assessment of whole life costs, digital asset management, upcoming trends and new technologies, predictive and preventive maintenance, data capture and analysis for decision-making, asset management change programmes, and investment prioritisation.

MISSION

The mission of this conference is to encourage discussion among rail infrastructure managers, rail operators, public transport authorities, technology and solution providers, and consultants on asset management, condition-based, performance-based and predictive maintenance, development of asset management policies and lifecycle strategies, estimation of whole lifecycle costs, lifecycle management, data capture and analysis, new technologies in rail asset management, digital asset management, ISO 55001 standards and certifications, and role of data and analytics. It will also showcase best practices in developing and implementing asset management plans/strategies and the deployment of latest technologies.

The conference will address the needs of existing urban rail systems, systems undergoing upgrade or renewal as well as upcoming systems. It will also discuss certifications and standards, data management and decision making tools, best practices, and key issues and challenges faced by rail infrastructure managers and rail operators in planning and implementing asset management strategies.

Key topics to be explored

- Impact of Covid-19 on asset management policies and lifecycle strategies
- Digital asset management in Europe
- European Commission's initiatives, policies, guidelines
- Key asset management initiatives undertaken by rail infrastructure managers and operators
- Preparation of asset management and capital plans
- Preparation of asset management strategies
- Assessment and minimisation of whole lifecycle costs
- Transitioning from preventive to condition-based and performance-based maintenance
- Use of data and analytics
- Understanding predictive maintenance based on big data analysis and the internet of things (IoT) and other smart devices
- Deployment of enterprise asset management solutions
- Cloud-based platforms and asset management solutions
- BIM for rail asset management
- Real-time monitoring solutions
- Reducing operational costs of infrastructure assets such as signals, electrification systems, rail tracks and rolling stock
- Replacement and renewal strategies
- Application of asset management principles to facility and fleet maintenance planning

Tentative Conference Program (More details coming soon)

DAY 1: OCTOBER 27, 2021

Session 1: Emerging Trends in Asset Management

- Current and emerging trends in asset management
- Short-term and long-term impact of the pandemic
- Accelerating digital asset management
- Data and data systems
- Opportunities and challenges for asset management in 2021

Session 2: European Commission's Policies, Initiatives, Guidelines

- Role of digital asset management in transforming Europe's rail system
- Connected and integrated digital railway system
- Shift2Rail
- Key challenges, plans and the way forward to 2030

Session 3: Rail Infrastructure Managers' and Rail Operators Perspective: A Panel Discussion

- Strategies for asset management, key initiatives
- Investment prioritisation
- Digital asset management
- Key technologies deployed
- Key challenges and future plans

Session 4: Strategies and Solutions for Asset Management

- Whole Life Value (including capital and operating costs)
- Digital asset management
- Developing asset management registers and plans
- Asset planning and scheduling
- Security
- Prioritising capital investments
- Human resource development, cross-team collaboration, outsourcing

Session 5: Spotlight on Predict and Prevent

- Reducing time-based maintenance
- Transitioning to a proactive, data-led approach to maintenance
- Key issues and challenges
- Solutions
- Case studies

Session 6: Leveraging Transit Data

- Data governance - ownership and sharing
- Data integration and analysis, breaking silos
- Enterprise Asset Management system architecture
- Role of data in preventive and predictive maintenance
- Technologies and techniques for data and analytics (drones, sensors, IoT, AI, etc.)
- Big data analytics

DAY 2: OCTOBER 28, 2021

Session 7: Rolling Stock Asset Management

- Rolling stock asset management plan, outsourcing vs in-house fleet maintenance
- Rolling stock procurement strategies - purchase, upgrade or lease?
- Wayside condition monitoring
- IoT asset management solutions - sensors for predictive maintenance
- Efficiency enhancements - regenerative braking, HVAC systems
- Commuter traffic monitoring systems
- Refurbishment and life extension

Session 8: Track and Railway Systems Maintenance

- Energy efficient power systems with real-time diagnostics data
- Next-generation signalling systems
- Sensors and monitoring devices across p-ways
- Enterprise asset management systems - utilising data analytics for smart asset management
- Integrating track and train

Session 9: Solutions for Stations

- Requirements, strategies and plans
- Benefits, challenges
- Best practices and case studies

Session 10: Modernizing Fare Systems

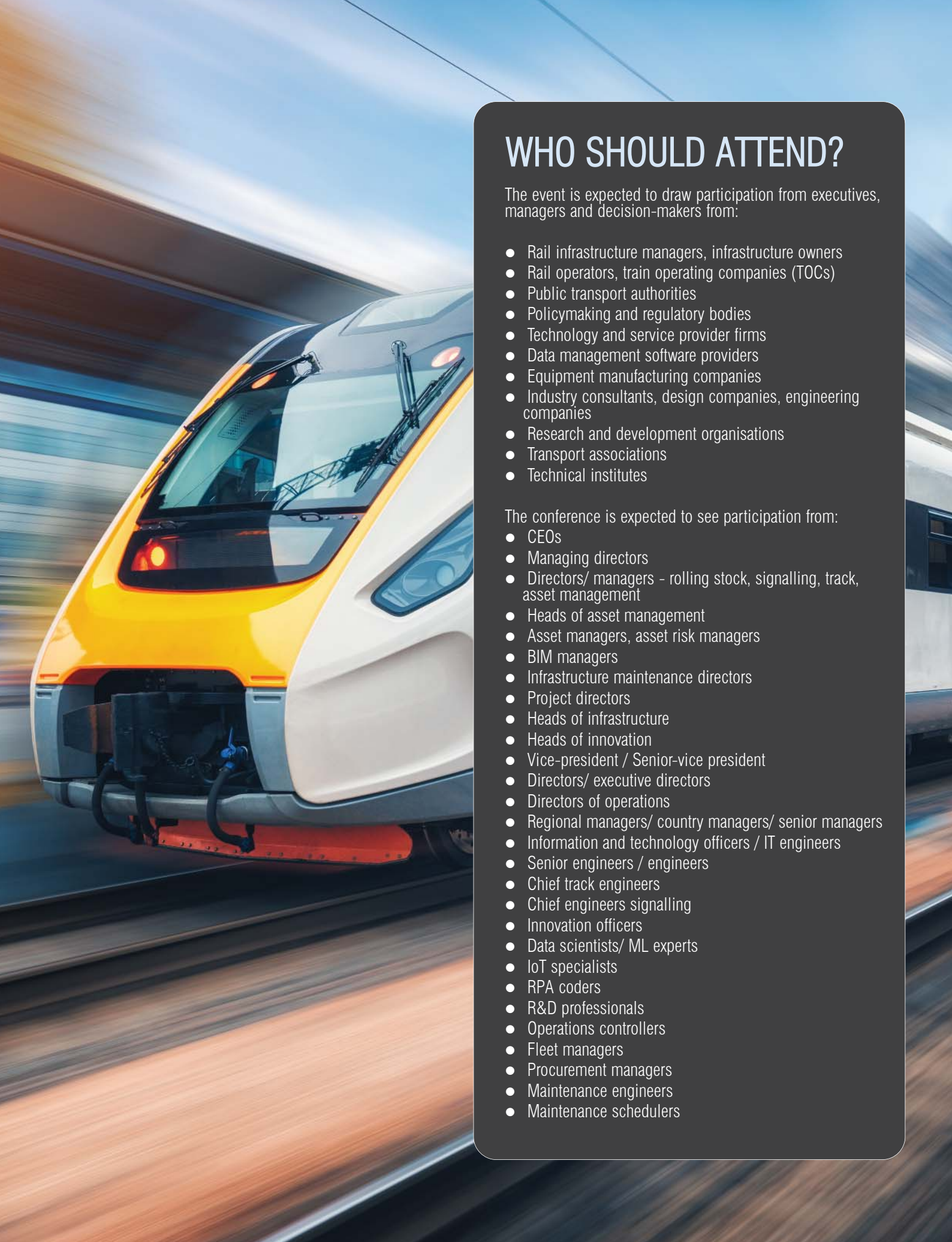
- Planning transition from legacy systems, repurposing existing equipment
- Integrating mobile ticketing, MaaS, cloud accounts
- Data reporting for transit operations efficiency

Session 11: Asset Optimisation

- Using asset management software
- Operations scheduling, asset management planning, predictive maintenance
- Asset renewal programmes
- Digitalisation
- Lifecycle cost management

Session 12: Digital Revolution: Technologies for Asset Management

- BIM for rail
- Enterprise asset management solutions
- IoT and big data solutions
- Use of drones and sensors
- Real-time monitoring solutions
- New technologies



WHO SHOULD ATTEND?

The event is expected to draw participation from executives, managers and decision-makers from:

- Rail infrastructure managers, infrastructure owners
- Rail operators, train operating companies (TOCs)
- Public transport authorities
- Policymaking and regulatory bodies
- Technology and service provider firms
- Data management software providers
- Equipment manufacturing companies
- Industry consultants, design companies, engineering companies
- Research and development organisations
- Transport associations
- Technical institutes

The conference is expected to see participation from:

- CEOs
- Managing directors
- Directors/ managers - rolling stock, signalling, track, asset management
- Heads of asset management
- Asset managers, asset risk managers
- BIM managers
- Infrastructure maintenance directors
- Project directors
- Heads of infrastructure
- Heads of innovation
- Vice-president / Senior-vice president
- Directors/ executive directors
- Directors of operations
- Regional managers/ country managers/ senior managers
- Information and technology officers / IT engineers
- Senior engineers / engineers
- Chief track engineers
- Chief engineers signalling
- Innovation officers
- Data scientists/ ML experts
- IoT specialists
- RPA coders
- R&D professionals
- Operations controllers
- Fleet managers
- Procurement managers
- Maintenance engineers
- Maintenance schedulers

ABOUT THE ORGANISERS

Global Mass Transit is a leading provider of information and analysis on the global mass transit industry. We publish a monthly market intelligence report (**Global Mass Transit Report**), a weekly newsletter (**Global Mass Transit Weekly**), and operate the www.globalmasstransit.net (website).

We publish **multi-client research studies** and **undertake custom research assignments**. Global Mass Transit tracks developments in over 100 countries across all regions to ensure reliable and actionable research. Some of our leading research reports are Global Transit Ticketing & Fare Collection Report 2020; NFC Mobile Ticketing for Transit 2018; 1,000 Global Rail Projects Database; Investment and CAPEX Plans of Transit Authorities/Agencies Report 2019-2030; Global Light Rail Projects Report 2018-2030; Global Metro Projects Report 2018; and Europe Urban Bus Market Outlook Report 2017-2030.

Global Mass Transit also organises **conferences** on topical and crucial issues with focused sessions and discussions featuring speakers with vast experience and expertise in the **US, Europe, Asia**, and the **Middle East**. Some of our past conferences include Transit Ticketing & Fare Collection APAC, Transit Ticketing & Fare Collection MENA, Clean Buses in Europe, Clean Buses in APAC, Transit State of Good Repair in the US, Rail Asset Management Europe, Rail Asset Management APAC and Wireless Communications in Mass Transit. These conferences received a strong response from speakers and delegates alike.

We have been serving over 300 clients since 2009. Our clients include leading organisations across the world such as ABB, Accenture, Access IS, Agence Métropolitaine de Transport (AMT), Apple Pay, Arriva Nederland, Auckland Transport, Aurecon, Autoritat del Transport Metropolità (ATM), Bangkok Payment Solutions Company Limited, Bombardier Transportation, Bosch GmbH, Conduent Business Solutions (France) SAS, Confederation of Passenger Transport, Confidex, Cubic Transportation Systems, DB Engineering & Consulting GmbH, DB Stadtverkehr GmbH, Datamatics Global Services, Deloitte & Touche Enterprise Risk Services, Discover Financial Services, DXC Technology, FEIG Electronic, FIME, Gemalto, a Thales Company, GFI Genfare, Giesecke & Devrient GmbH, Google Pay, GVB Amsterdam, IDOM Engineering and Consulting, Infineon Technologies, INIT GmbH, IVU Traffic Technologies AG, JCB International, Kapsch PublicTransportCom, Keolis, Korea Smart Card Company, KPMG, LG CNS, Masabi, Mastercard, Metro Ligerio Oeste S.A., Metropolitana Milanese SpA, Ministry of Transport of Czech Republic, MRT Jakarta, National Transport Authority of Ireland, New Zealand Transport Agency, NFC Forum, North Norway European Office, NXP Semiconductors, Pricewaterhouse Coopers, Provincie Gelderland, Provincie Noord-Brabant, PSI Transcom, RATP, Public Transport Neuchâtel, SamsungPay, Serco, Siemens, Singapore Land Transport Authority, SNCF, SNC-Lavalin, Sojitz Corporation, Stadtwerke Münster, Sumitomo Mitsui Card Company, Swissrail, Tallinna Linnatranspordi, Thales, Toshiba, Touch 'n Go, Transport for London (TfL), Transports Metropolitans de Barcelona, Transport Passengers Emilia-Romagna (TPER), VDV-Kernapplikations GmbH & Co. KG, Visa, Vix Technology, Wiener Linien, Wizway Mobile Ticketing, Worldline, etc.

SPONSORSHIP (Limited number)*

The conference will provide an excellent opportunity for organizations to showcase their products and services. The deliverables include:

- A 15-minute presentation slot (presentation should be relevant and not just a sales-pitch)
- Company logo will be displayed on the event website and the registration page
- Company logo will be displayed in the opening and closing slide/waiting room
- Sponsor company mentioned in each promotional mailer
- Mention in social media posts including a post on the speaker from your company
- Mention in the virtual event opening and closing remarks
- 6-9 participant logins for the employees
- Opportunity to interact virtually with the top officials in the industry

The sponsorship fee is EUR1,875 if confirmed before September 10, 2021 and EUR 2,500 thereafter.

For further information, contact: Surbhi Rakheja

Email: surbhi.rakheja@globalmasstransit.net, Mobile: +44 024 7698 0693

DELEGATE FEE

Delegates	Price before September 10, 2021	Price before October 06, 2021	Standard Fee
1 Login	EUR 280	EUR 340	EUR 400
2-3 Logins	EUR 450	EUR 550	EUR 650
4-5 Logins	EUR 630	EUR 765	EUR 900
6-9 Logins	EUR 800	EUR 970	EUR 1,150
10-20 Logins	EUR 980	EUR 1,190	EUR 1,400
Special category delegates *	No fee		

*Registration is complimentary for transit agencies and government authorities.

REGISTRATION FORM

☐ I would like to register for the conference

☐ Please send me more information

NAME/DESIGNATION _____ COMPANY _____

MAILING ADDRESS _____

PHONE _____ MOBILE _____

FAX _____ EMAIL _____

PAYMENT OPTIONS

1. Credit Card: To make payments by credit card, please visit: <https://bit.ly/3rQ4njS>

All credit card payments will be subject to standard credit card charges

2. Wire Transfer:

Beneficiary: India Infrastructure Publishing Private Limited*
Bank Name: The Hongkong and Shanghai Banking Corporation Ltd
Bank Address: R-47, Greater Kailash – 1, New Delhi - 110048
Bank Account No: 094179587002
Swift Code: HSBCINBB

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TERMS AND CONDITIONS

Payment Policy

- Full payment must be received prior to the conference in EUR.

Cancellations

- Cancellation requests received in writing 30 days before the date of the conference will be eligible for a full refund, minus a service charge/administration fee of EUR30. We regret that no refunds will be made for any cancellation requests received less than 30 days prior to the conference.
- Substitutions/name changes are welcome at no extra charge. Please send these in writing at least two days prior to the conference.
- **Information Collected:** We collect the information you provide to us when you complete the registration form. The information includes name, company, and email address. By registering for this conference, you agree to be contacted by us with regard to other similar events or services of ours that may be of interest to you, and by the sponsor(s) of the conference for which you have registered
- **Disclaimer:** Global Mass Transit shall assume no liability whatsoever in case the conference is postponed or cancelled due to a fortuitous event or unforeseen occurrence that renders its organization impractical, illegal or impossible. For purpose of this clause, a fortuitous event shall include, but not be limited to: war, fire, labor strike, extreme weather or other emergency. Global Mass Transit's responsibility is limited to the return of registration fees only, and not any travel and accommodation costs.
- Please note that it may become necessary for reasons beyond the control of the organizers to make alterations to the content and timing of the program or speakers.

CONTACT US

For registration and sponsorship opportunities:

Surbhi Rakheja, Global Mass Transit Research
Email: surbhi.rakheja@globalmasstransit.net
Mobile: +44 024 7698 0693

For speaker participation opportunities:

Namrta Bangia, Global Mass Transit
Email: namrta.bangia@globalmasstransit.net
Mobile: +44 20 7097 5717

Niharika Pagore
Email: niharika.pagore@globalmasstransit.net
Phone: +44 121 318 5678

To register, email us at: registration@globalmasstransit.net or visit us at www.globalmasstransit.net