THE RISE OF IoT & BIG DATA IN RAIL

18-21 MAY 2021

ONLINE CONFERENCE

THE NUMBER ONE ONLINE EVENT TO MATCH BUYER REQUIREMENTS WITH EXPERT SOLUTIONS DURING THE RAIL SECTORS DIGITAL EVOLUTION

ONLINE CONFERENCE BENEFITS:

- Identify your target audience through a unique AI-matchmaking algorithm
- Discover high quality recommendations to the most relevant connections amongst hundreds of attendees
- Set-up 1 -1 private video calls with new prospective partners and clients
- Participate in the interactive roundtable discussion groups to discuss strategies and solutions to the industry's challenges
- Engage in meaningful business conversations in the exhibition and networking area with leading industry solution providers

18 - 21 MAY 2021

www.iotandbigdatainrail.com

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Following on from the tremendous success of the previous two events events, The Rise of IoT & Big Data in Rail has firmly established itself as the Rail industry's number one event to gain a clear and pragmatic idea about the digital challenge, how to overcome it and what are the opportunities that currently exist to take the next steps with guarantees.

This unique conference will explore the huge breadth of predictive maintenance as well as asset optimisation applications of big data. It will allow Infrastructure Managers and Train Operating Companies to understand how they can further benefit from setting in place the tools to harvest smart data utilised by the Internet of Things, to achieve their objectives of increasing capacity, improving reliability, minimising downtime and reducing maintenance costs.

I am delighted to invite you to join us at this first-class event to match buyer's requirements with expert solutions during the rail sector's digital evolution.

Ben Holliday | Managing Director

ROTAIA MEDIA

WELCOME

The Internet of Things is without doubt the 4th Industrial Revolution, and its impact on the rail sector is already transforming operations

A global industrial revolution is underway. Every business sector across the world is being impacted or transformed by digital advances. Many parts of the rail sector are already embracing these huge changes and are poised to further embrace the significant growth in data sets that can be harnessed. As a result, the operations and maintenance heads of Railways recognise the tremendous potential offered by effectively exploiting the data gleaned from the Internet of Things.

Those rail sector organisations now join the automotive or aviation sectors in recognising and embracing the shift towards a digital future. Big data is being harnessed to deliver an entire raft of cost reductions and service improvements, including vastly reduced downtime for maintenance, optimised scheduling, increased capacity, and even enabling new services.

Infrastructure Owners and Train Operating Companies who are taking advantage of the opportunities offered by the IoT are already yielding huge benefits from their investments. However, new innovative technologies are increasing at a significant rate and Infrastructure Managers and Train Operating Companies must continue to grasp the many opportunities available to them in order to benefit from these continuing advances.

Perhaps some of the greatest opportunities for the rail sector exist in the logistics space. IoT tracking and processing options have multiplied over the years and have already reached billions of connected devices. The impact of IoT on the logistics sector already indicates the opportunities for huge improvements to end to end visibility, benefitting the end user.

The 2021 conference will assess the progress of the sector's use of IoT to date, the level of its capabilities, practical steps on how to fully harness its growth, and how to alleviate the likely challenges to implementation.

The way in which we transport passengers and goods by rail is becoming unrecognisable. The Internet of Things is without doubt the 4th Industrial Revolution and its impact on the rail sector cannot be overestimated. Now is the time for the whole of the rail sector not just to keep up with, but to overtake other transport providers by fully signing up to the digital world.

Our partners:

OSIsoft. is now part of AVEVA | GOLD

SENSONIC | GOLD

nexxiot | GOLD

CAF | GOLD

DB E.C.O. Group | GOLD

Plasser & Theurer | GOLD

RAILNOVA. | GOLD

SIEMENS Ingenuity for life | GOLD

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UNIPART RAIL | GOLD

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copperleaf | GOLD

HEXAGON | GOLD

camlin rail | GOLD

Hum | GOLD

Nomad Digital | SILVER

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SŽVIT | BRONZE

LEVEL SYSTEMS | BRONZE

Predge | BRONZE

stimio | BRONZE

FLEETCARE | BRONZE

KLAS | BRONZE

TRI LOGICAL RAILWAYS Smart Solutions for Proactive Maintenance | BRONZE

EKE | BRONZE

Key topics include:

Effectively deploying IoT data for predictive maintenance

Using digital twins concepts to drive digital transformation

How IoT tech will bring advancements in data collection and analysis to leverage digital trends

Due Diligence: Identifying the importance of data scientists in assessing Volume, Velocity, Variety, Viability, Value and Veracity when undertaking new projects

Optimising maintenance and operation planning through enhanced asset management

Ensuring the interconnectivity of IoT and Blockchain to ensure data security and an accurate ledger

Harvesting Big Data to reduce operational costs

Methods to improve reliability and availability of assets

Deploying Big Data to increase profitability

Strategies to increase performance and service life

Managing your assets smarter through preventive failure prediction

Why Blockchain technology is the latest innovation to add value to the rail sector

Tapping into all the opportunities that the Internet of Things makes possible

How to mitigate the big data Cyber Security risk

> *"I truly believe this is the best Railway conference in the market. A well structured and organised event. I had the possibility to meet new potential customers and exchange relevant information with many participants which is why I am sponsoring the event for the third consecutive year. A perfect mix between rail operators and systems suppliers*
>
> | Development Manager, SKF

WHY ATTEND?

As an Infrastructure Manager or Train Operating Company, you are currently facing the challenge of knowing that the digital revolution is underway which is evolving month by month and year by year.

Even when you have already embarked on the process of digitalising your operations, it is not always possible to know everything about the depth of applications that can be implemented which can deliver positive changes for you organisation such as cost reductions and increase in revenues.

For those Infrastructure Managers and Train Operating Companies which have already implemented data capture systems, there will be the opportunity to consider how their current applications can be taken to the next level, and of course the opportunity to share both best practice and challenges with an audience of their peers.

Speed of innovation, new intelligent technologies and systems based on AI are now key requirements in order to solve maintenance problems which are responsible for a large percentage of Railways issues with quality. New digital technologies are now required to help overcome the problem of capacity without expensive and time-consuming investments in new infrastructure.

This unique conference represents an invaluable and timely opportunity for companies with the digital expertise to help the operations and maintenance heads of global Railways understand how to collect and properly exploit massive sets of data from every aspect of their operations.

The 2021 conference is the perfect platform to bring together those with the questions, and those with the answers. It's an opportunity to share experiences – and for vital collaboration.

98%
of previous attendees would return

96%
of previous sponsors already rebooked

57%
increase in attendees year on year

Supported by:

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WHO WILL YOU MEET?

Infrastructure Managers, Train Operating Companies, Maintenance & Engineering Companies, System Integrators, Rolling Stock Manufacturers, Signalling Manufacturers, Consultants and Technology suppliers who are:

- Directors of Maintenance
- Heads of IoT & Big Data
- Directors of Asset Management
- Heads of Technology
- Directors of Operations
- Directors of Innovation
- Heads of Remote Diagnostics
- Directors of IT & Strategy
- Chief Information Officers
- Heads of Data and Analytics
- Directors of Procurement
- Heads of Rolling Stock
- Infrastructure Asset Managers
- Chief Technology Officers
- Directors of Infrastructure
- Data Management Consultants
- Data Scientists
- Heads of Asset Intelligence

> *"The event was of high quality and offered an unmatched density of relevant players on the intersection of Big Data Analytics in the Rail Sector*
>
> | Head of Asset Intelligence Center, DB Cargo

MEET THE SPEAKERS

Tim Flower
Chief Intelligent Infrastructure Engineer

Holger Bartels
Head of Asset Intelligence Center

John Smith
CEO

Mohammed Labdoui
Data Strategy Manager

Rene Zeilinger
CTO

Edward Clark
Product Specialist and Solutions Consultant

Daniel MacGregor
Founder

Ignacio Oliver
Director of Metro Projects Area

Javier de la Cruz
Managing Director at CAF DS

Marc Valette
Director of Innovation and Continuous Improvement

Christian Sprauer
Founder & CEO

Sami Kalevirta
Head of Digital Services

Dieter Barnard
Strategy & Business Development

SIEMENS
Ingenuity for life

Maurus Radelow
IT Security for Operational Technology & Processes

DB NETZE

Krzysztof Wilczek
Head of Track Analytics

Plasser & Theurer

Alexey Grigoriev
Chieft Technology Officer

ОЦРВ

Alessandro Borzacchi
Project Manager

Rail Cargo Group
Member of ÖBB

Jude Carey
Head of Asset Management

Iarnród Éireann
Irish Rail

Gerhard Paal
Head of Sales for Digital Services

SIEMENS
Ingenuity for life

Daniel Adamka
Managing Director

arriva

Inge Hofland
Manager Infra Data & GIS

ProRail

Juliette van Driel
System Manager Wayside Train Monitoring Systems & Real-Time Monitoring

ProRail

Pieter Moelans
Rolling stock Engineer

SNCB

Dr. Remigijus Skirkus
Director of Diagnostic Department

LTG INFRA

Mathias Vanden Auweele
Project Lead Digitalisation

INFRABEL
Right On Track

Vanessa Langhammer
Head of Digitalization

Rail Cargo Group
Member of ÖBB

Pedro Conceição
CBM Technical Sales Consultant

Nomad Digital

David McGorman
Managing Director, Technology Companies, Unipart Technology Group

UNIPART RAIL

Isabelle Tardy
Senior Advisor Strategy & Development, Technical Unit

BANE NOR

Simon Giovanazzi
CEO

DB E.C.O. Group

Francis Cepero
Director Vertical Market Solutions

A1 Digital

Stefan Kalmund
CEO

nexxiot

Dr. Uwe Jasnoch
Vice President for Business Development

HEXAGON

Gláucio Oliveira
Maintenance Planning and Control General Manager

MRS

Gabriel Serpa
Innovation Manager

MRS

Philip Heaney
Product Manager

camlin rail

Brent Wilson
CTO

Hum

Pamela Martin
Data Scientist – Digitalization

Rail Cargo Group Member of ÖBB

AGENDA

The 2021 conference will assess the progress of the sector's use of IoT to date, the level of its capabilities, practical steps on how to fully harness its growth, and how to alleviate the likely challenges to implementation

DAY 1 - 18 MAY 2021

All times are Central European Time (CET)

09:50 Ben Holliday | Managing Director | Rotaia Media and Daniel MacGregor | Founder | Nexxiot

Organisor and Chairman's Welcome

10:00 Tim Flower | Chief Intelligent Infrastructure Engineer | Network Rail

Intelligent Infrastructure: Delivering the data driven railway

- Why do we need Intelligent Infrastructure and is Network Rail's strategy for digitising asset performance management
- What progress has been made so far and what is coming this year
- How do we engage current and future staff to fully realise the benefits

10:15 John Smith |CEO| voestalpine Signaling UK Ltd

Making sense from the growth of data in the digital railway

- Data acquisition from large volumes of assets
- The role of analytics to generate actionable outcomes
- Simplifying the HMI in large scale and complex environments

10:30 Dr. Remigijus Skirkus | Director of Diagnostic Department | LTG Infra (Lithuanian Railways)

The evolution of the diagnostic process at the Lithuanian Railways

- Diagnostics for track geometry
- Optimising Big Data for smarter asset management
- Ways and approaches to overcome current challenges

10:45 Philip Heaney | Product Manager | Camlin Rail

How wayside pantograph monitoring is helping enable a condition based maintenance strategy

- What challenges are railways facing to shift from time to condition based maintenance
- Strategic deployment of wayside systems for maximum benefit
- Enabling data to decision

11:00 Networking break

11:30 Maurus Radelow | IT Security for Operational Technology & Processes | DB Netz

Cybersecurity in Rail – Securing the digital future

- Facing and structuring the challenge
- How to stay flexible with security for safety
- Crypto and Firewall – That's it?

11:45 Rene Zeilinger | CTO | Frauscher Sensonic

Quantitative DAS and Machine Learning enable a quantum leap in real-time train positioning

- Quantitative DAS is the next evolution of distributed wayside sensing
- In combination with machine learning, this technology provides more accurate information
- Real-time train localisation, detailed information on train length and train integrity will enable new and efficient approaches for future proof train operation

12:00 Mathias Vanden Auweele | Project Lead Digitalisation | Infrabel

Level up Asset Management at Infrabel

- Practical production examples for digital infrastructure monitoring
- Real time monitoring of singular and linear assets
- From big data in train control logging to alerts and apps

12:15 Edward Clark | Product Specialist and Solutions Consultant | Copperleaf

Asset Investment Planning for Railway Infrastructure: driving better decision making

- Improving investment decision making for portfolios
- Combining analytics with expertise to optimise performance
- Drive the achievement of strategic objectives

12:30 ROUND TABLE DISCUSSION GROUPS

1. How can we measure the benefits of digitalisation within the railway industry?
2. The future of work in rail when IoT & Big Data has fully landed.
3. Using digital twins concepts to drive digital transformation.
4. How to choose the right IoT partner.
5. From technology topic to business value – IoT will change rail.
6. Big Data. Friend or foe.
7. The challenges of moving from maintaining on periodicity to maintaining only on condition.
8. Improving Return on Assets through IoT and ML.
9. Condition monitoring and diagnosis of assets – the way to predictive maintenance.
10. Digitising Rail Infrastructure Investment Planning.
11. Open discussion on how machine vision can provide a cost effective alternative to manual inspection of rolling stock
12. Digitalization in rail is important but many struggle to find an ROI. What are the use cases or opportunities that can accelerate adoption?

13:15 Conference Chairman closing comments of day 1

DAY 2 - 19 MAY 2021

All times are Central European Time (CET)

10:00

Holger Bartels | Head of Asset Intelligence Center | DB Cargo

Update on DB Cargo Program Asset Automation & Digitalization (AAD)

- The intelligent Freight Train
- Project Portfolio
- Asset Intelligence Center enabling industrial, productive running AI Applications

10:15

Stefan Kalmund | CEO | Nexxiot

The value behind the data - Use Cases in rail car digitization

- How different stakeholders extract value
- Effective impact and measurable benefits along the value chain
- Product temperature, ETA automation, Capacity optimisation, 3rd party front-end access

10:30

Vanessa Langhammer | Head of Digitalization | Rail Cargo Group
Pamela Martin | Data Scientist – Digitalization | Rail Cargo Group

Challenges and opportunities of Big Data in a complex legacy IT infrastructure

- Our challenge: optimally connecting numerous different data sources to our legacy systems
- We can only rise to the challenge through more cooperation and collaboration
- Agile product development is both a possible solution to this and a great opportunity

10:45

Francis Cepero | Director Vertical Market Solutions | A1 Digital

With A1 Digital, Rail Cargo brings intelligent freight wagons onto the rails

- Data collection is only the begin/enabler of the IoT journey
- Selective data analytics opens a far range of additional use cases
- Rail Cargo is using a high sophisticated internal platform where A1D provides those analytics integrated in their platform
- A1D is ready for any part of the IoT journey up to a complete turn key solution

11:00

Networking break

11:30

Marc Valette | Director of Innovation and Continuous Improvement | CFL

Challenges for implementing pragmatic digitalisation in CFL Multimodal, a small freight actor

- The visions and challenges of being a small Railway when introducing innovation
- Importance & need for pragmatic & applicable solutions due to the contraints of resources
- Capacity to transform quickly in operations the added value provided by innovation

11:45 Christian Sprauer | Founder & CEO | Railnova

IoT play time is over. How smart organisations deliver fast-track transformation with smart technology partnerships

- What is a smart partnership?
- Fast-track transformation examples from Railnova customers
- How the Railnova and Knorr-Bremse partnership is set up to deliver value, digitalisation and automation across railway companies

12:00 Gláucio Oliveira | Maintenance Planning and Control General Manager | MRS Logística
Gabriel Serpa | Innovation Manager | MRS Logistica

Data strategy and an applied case of maintenance optimization

- Analytics architecture in a railroad transportation company
- Machine Learning study case for wagon maintenance planning
- Data Intelligence Innovation Process

12:15 Simon Giovanazzi | CEO | infraView GmbH, Part of DB E.C.O. Group

Deutsche Bahn - driving industrial digitalization in Germany

- Experience as pioneer of asset condition monitoring and predictive maintenance in Germany
- Effects of cross-systems analysis: infrastructure assesses rolling stock failures and vice versa
- Leverage IoT and AI benefits will need a transformation to adaptive rules and regulations

12:30 Alessandro Borzacchi | Project Manager - Augmented Reality Project | Rail Cargo Group

Augmented Wagon Inspection

- Traceability of rolling stock inspection operations
- Remote assistance for the wagon inspector
- Rolling stock data acquisition for train preparation

12:45 - 13:15 Conference Chairman closing comments of day 2 and networking break

DAY 3 - 20 MAY 2021

All times are Central European Time (CET)

10:00 Jude Carey | Head of Asset Management | Irish Rail

Utilising IoT to improve performance in Irish Rail

- The challenges for Irish Rail to develop IoT in both rolling stock and Infrastructure
- A hidden benefit of our IoT development
- Outlook for the future

10:15 Gerhard Paal | Head of Sales for Digital Services| Siemens Mobility

Internet of Trains – How IoT can transform rail

- Asset Performance Management enables new thinking for Rail
- Examples from customers, showing how analytics can help to create value
- A partner ecosystem can provide even more value towards customer

10:30 Inge Hofland | Manager Infra Data & GIS | ProRail

Optimising Infradata and IT technology to predict and prevent failure to overcome the challenge of handling 30% more rail passengers by 2030

- Why the solution is not only more rails and more trains
- Why we see Geo information as strategic theme for our success?
- Why a shared view is necessary in our challenge for 2030?

10:45 Juliette van Driel | System Manager Wayside Train Monitoring Systems & Real-Time Monitoring | ProRail

Eyes on Hands off – the ProRail Monitoring Platform (PMP)

- ProRail's digital journey, challenges and approach
- Using a data-driven, cloud delivered, approach driving better asset management and maintenance across the network
- Collaboration with innovators, contractors and service providers for optimal results

11:00 Networking break

11:30 Krzysztof Wilczek | Head of Track Analytics | Plasser & Theurer

Automation - Smart Machines: Technologies & experience in autonomous track works

- Organization
- Technical solutions
- Services

11:45 Isabelle Tardy | Senior Advisor Strategy & Development, Technical Unit | Bane NOR

Enhancing rail infrastructure safety and maintenance thanks to digitalization

- Experience on innovation initiatives
- Video analysis and pattern recognition
- A new framework ensuring valuable and actionable outcomes

12:00 Dr. Uwe Jasnoch | Vice President for Business Development | Hexagon's Geospatial Division

Overcoming Big Data – How to Optimize Railway Asset Management with AI

- Using AI for asset detection in panoramic imagery and point clouds
- Automating object detection within asset management systems for quicker change detection
- Augmenting asset and infrastructure data in a Digital Twin for Rail ecosystem

12:15 Mohammed-Simoh Labdoui | Data Strategy Manager | SNCF

Big Data and IoT Cloud Platforms Manager at SNCF

- Define the strategy and the trajectory of the Data/IOT services to meet SNCF business needs
- The keys of data and IoT project success
- How the cloud and collective intelligence are accelerating the time to market

12:30 - 13:00 Conference Chairman closing comments of day 3 and networking break

DAY 4 - 21 MAY 2021

All times are Central European Time (CET)

10:00 Ignacio Oliver | Director of Metro Projects Area | Transports Metropolitans de Barcelona

Recommendations to succeed in the digitalisation and data analysis of assets in metro networks

- Profits obtained and lessons learned from real experiences to build up the systems
- Organisational adaptation
- Necessary requirements to succeed, overcome fear and catalyse real change

10:15 Javier de la Cruz | Managing Director at CAF DS | CAF Rail Digital Services

Digitalisation of Rolling Stock Maintenance: Not only a matter of predictive diagnostics

- Brief overview of the pros, cons and state of the art of predictive diagnostics
- What else can the digitalisation bring to Rolling Stock Maintenance?
- Digitalisation success cases beyond the predictive diagnostics

10:30 Pieter Moelans | Rolling stock Engineer | NMBS-SNCB

Our journey to remote diagnostics: a step by step approach

- The challenge of managing cross fleet data streams;
- Integrating IOT in existing rolling stock, a step by step approach
- Purchasing and maintaining new fleets: the battle against obsolescence

10:45 Pedro Conceição | CBM Technical Sales Consultant | Nomad Digital

IoT & Big Data in Rail: Win from day 1!

- Digitalisation Challenges;
- Remote Monitoring for different business roles
- Leveraging Digitalisation ASAP
- Quick-wins real -life examples

11:00 Networking break

11:30 Alexey Grigoriev | Chief Technology Officer | OCRV (Russian Railways)

Russian railways blockchain platform

- How choice about blockchain technology was made
- Prerequisites for the development of the project
- Architecture of the project

11:45 David McGorman | Managing Director, Technology Companies, Unipart Technology Group | Instrumentel

Condition Based Maintenance and the importance of Actionable Information

- Data acquisition and large number of Rail assets and the importance of understanding your data
- Case studies showing how Condition Based Maintenance can create value, operational efficiencies and savings
- How Condition Based Maintenance informs our Condition Based Supply Chain, creating a Digital dynamic supply chain of the future

12:00 Daniel Adamka | Managing Director | ARRIVA

Using Big Data for network optimization

- Where and when is the demand for transport
- How to react quicker on demand changes
- Increase the usage of multimodal solution

12:15 Brent Wilson | CTO | HUM Industrial Technology

Rolling Stock Maintenance Management: How to Move From Reactive to Predictive Using IoT and Edge Computing

- Maintenance management strategy – Reactive vs Preventative vs Predictive
- Why off-the-shelf IoT and legacy wayside detection will never be able to deliver transformative results
- How to leverage edge computing to avoid the Big Data trap

12:30 Sami Kalevirta | Head of Digital Services | VR FleetCare

Digital Solutions in Fleet Maintenance Lessons learned in product development

- How we ended up developing a new product for the railway sector
- Starting from customer promise and market survey to building up an own Train Scanner
- Learning from challenges on the way - Today VR FleetCare provides Train scanners and much more

12:45 - 13:15 Conference Chairman closing comments of day 4 and networking break

DELEGATE TICKETS

Regular Ticket - **FREE**

- Watch and take part in all presentations live
- Interact, send messages and schedule 1-1 meetings
- Access to the networking and exhibition area
- Take part in the round table discussion groups

Premium Ticket - **£75**

- Benefit from all elements of the Regular Ticket, plus:
- Receive all speaker presentations after the event
- Access to on-demand videos

To register your attendance to the event, please visit – www.iotandbigdatainrail.com

If you have a question about the event or how you can be involved, please contact Ben Holliday at:
ben.holliday@rotaiamedia.com or 0044 (0)7904 374271

MARKETING OPPORTUNITIES

Does your company have the solutions to help global Infrastructure Managers and Train Operating Companies fulfil their increasingly critical digitalisation and maintenance goals during a period when they are seeking help and expertise?

If the answer is YES, there are numerous opportunities at the conference to promote your expertise:

- Make a presentation to an audience of existing and prospective clients and highlight how your solutions can help them achieve their goals and objectives
- Host a roundtable discussion group to attract prospective clients to meet with you and discuss how your solutions and expertise can help overcome their challenges
- Sit on a panel discussion debate with your existing and prospective clients to discuss the industry's most pressing topics which will raise your company's profile as a thought leader in your field
- Have an exhibition stand which acts as a focal point to meet face-to-face with your existing and prospective clients and showcase your solutions
- Benefit from a targeted marketing campaign in advance of the event and align your brand with existing and prospective clients who are also supporting the event
- Reduce your overheads and meet with your existing and potential clients in one place
- Differentiate your expertise from that of your competition when they are targeting the same prospective clients

Unlike most conference organisers who offer standard sponsorship packages, at Rotaia Media we create and design bespoke sponsorship packages for each individual client. In doing this, you can be assured that you are investing in a tailored solution to help you meet and exceed your objectives.
If you are interested in discovering how you can raise your profile at the event, influence your prospective clients and build future business relationships, please contact Ben Holliday at: ben.holliday@rotaiamedia.com or 0044 (0)7904 374271.

> *"The whole day was very relevant and of great interest. It has been one of the best conferences I have attended*
>
> | Head of Asset Management, Irish Rail

ABOUT THE ORGANISER

ROTAIA MEDIA was founded by Ben Holliday, a publishing and events specialist with more than 15 years of experience of specifically working in the rail sector.

With a wealth of knowledge of the international rail industry and a successful delivery record in delivering business opportunities for his clients, Ben has established close relationships with the owners and board level management of Railway Infrastructure Managers, Train Operators, national and local Transport Authorities and leading rail industry suppliers from around the globe.

Ben has a formidable reputation for delivering outstanding value to his rail sector clients.

By choosing to work with ROTAIA MEDIA, you are being given the ideal platform to engage face to face with your target audience – key buyers of infrastructure and rolling stock solutions. ROTAIA MEDIA's goal is simply: to match buyer requirements with expert solutions. **We exist to help you to help them.**

Ben Holliday | Managing Director

ROTAIA MEDIA

"Congratulations Ben Holliday & the whole Rotaia Media staff for such an insightful event with tremendous valuable content and attendance. A worldwide audience with a great mix of infrastructure, cargo and passenger operators sharing their IoT experiences and path towards digitaltwin, along with suppliers who exposed their solutions and case studies

| Program IoT Manager, NMBS/SNCB

MEDIA PARTNERS

Railway Gazette INTERNATIONAL

IRJ International Railway Journal

bahn manager DAS WIRTSCHAFTSMAGAZIN FÜR DEN SCHIENENSEKTOR

Railway-News

B+B RAIL

RAILWAY PRO communication platform

OUR OTHER EVENTS

SCANDINAVIAN RAIL
BY ROTAIA MEDIA OPTIMISATION
ONLINE CONFERENCE

23rd June 2021, Stockholm

Scandinavian Rail Optimisation will bring together the Infrastructure Managers and Rail Operators of Scandinavia to discuss their latest investment plans and how they are optimising the latest digital trends to achieve their objectives of increasing quality, improving reliability, enhancing capacity and reducing maintenance costs in the region.

From developing a smart infrastructure, helping to advance customer experience, improving maintenance through effective use of the Internet of Things, investing in state-of-the-art rolling stock, and capitalising on the latest technologies to make Rail the first-choice mode of transport, this unique conference provides the perfect stage on which to bring together those with the questions, and those with the answers. It's an opportunity to share experiences – and for vital collaboration. I am delighted to invite you to join us in Stockholm for what already looks set to be another ground-breaking conference.

To learn more, please visit www.scandinavianrail.co.uk

ALPINE RAIL
BY ROTAIA MEDIA OPTIMISATION

6th October 2021, Vienna

Alpine Rail Optimisation will bring together the leading rail experts from the Austrian, Swiss, German, Italian and French infrastructure managers and rail operators to discuss how they are optimising the latest digital trends to increase capacity, improve reliability, enhance availability and drive down maintenance costs.

The conference will not only address the concepts and lessons learned for digital success, but the importance of how data is harnessed through the IoT to develop a smart and intelligent infrastructure, as well as using it to enhance fleet management efficiency and the availability of rolling stock assets in the region.

To learn more, please visit www.alpinerailoptimisation.com