

ROLLING
STOCK
NETWORKING

Incorporating

The RSN Conference by:
RailBusinessDaily

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SHOW GUIDE



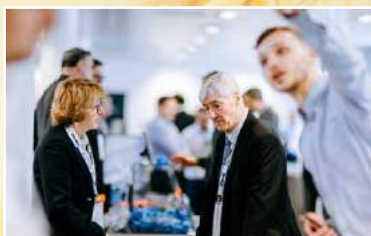
Derby Arena



11th July 2019



9.30am to 3.30pm



Bringing the Rail Industry Together



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Meet our sponsors

Lead sponsor



Jobson James Rail is an independent insurance broker with over 200 railway company clients working in all aspects of the rail industry.

We design and implement innovative insurance solutions through a detailed risk management-based process developed by our directors over the last 20 years, which includes contract analysis to deliver aggressive and competitive premiums with niche rail specialist insurers.

Associate sponsor



On Train is a proven partner for rail vehicle technical enhancements, maintenance and railway products.

We provide managed projects for many train operators that keep their fleets operational and reliable. On Train is also a rail sales specialists providing international route to market services for OEMs – offering air conditioning, passenger counting and labour supply solutions for trains trams and buses.

Gold sponsor



Westermo Data Communications Ltd is a Global Supplier of Train Ethernet Networks and Wireless Inter Carriage links supplying products and services to some of the top train manufacturers such as Bombardier, Alstom, CAF and Stadler.

Here in the UK and elsewhere, we are increasingly being chosen to supply the onboard train ethernet backbone to allow connectivity for passenger information systems, passenger counting and CCTV.

Silver sponsor



CAF designs, manufactures, maintains and supplies equipment and components for rail systems throughout the world.

CAF offers an extensive range of products covering all types of rolling stock and rail components:

- High speed trains
- Regional and commuter trains (diesel and electric)
- Metros
- Trams and LRVs
- Locomotives
- Axles and components

Bronze sponsor



The Railway Industry Association (RIA) is the trade association for the UK-based suppliers to the railway industry.

Bronze sponsor



As the rail sector's largest dedicated B2B networking organisation, the Rail Alliance is all about bringing customers, suppliers and supply chain opportunities together.

Bronze sponsor



Rail Forum Midlands is the regional trade association for the rail industry; connecting businesses to enable growth, collaboration and success.

Media sponsor



railbusinessdaily.com is the UK's only rail industry business website voiced by the industry. Our platform lets you decide what you want to publish and when.

We enable you to talk directly to the people you want to engage with about your work.

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Bringing the rail industry together

Welcome to Rolling Stock Networking (RSN) - a vibrant exhibition complemented by the railbusinessdaily.com conference, which provides a major networking platform for suppliers and customers.

We look forward to a great day. Visitors will have the chance to meet companies large and small. This includes international companies from the USA, Canada, The Netherlands, Spain, Sweden and Italy. There are also many innovative entrepreneurial companies offering new products and services, enabling a transformation in asset management and the passenger travelling experience.

What to expect

In total, there are 130 exhibitors, offering both relevance and great diversity. We are especially pleased that the show includes many companies exhibiting that are not normally seen on the exhibition circuit, adding an exciting, fresh perspective to the event.

There are many tier 1 companies exhibiting including Bombardier Hitachi HS2, Vivarail, and CAF. Equipment suppliers include LPA Group, FISA, Westermo, Depot Rail, Garrandale and many more.

Innovators, engineering companies and the services sector are strongly represented, ensuring the show offers both the dependable services and the exciting innovations needed to transform the passenger and freight industry.

The event is truly inclusive and gives companies of all sizes active in the passenger and freight rolling stock sector an unmissable opportunity to meet customers and suppliers, to learn from industry leading speakers and to engage and network.

The venue is ideal, being at the heart of the industry in Derby. It provides the perfect location for the event with easy transport links by car and train.

The free-to-attend event has been carefully timed to be positioned within an entirely uncluttered window; with no clashes with any other event, it is at the ideal time in the railway calendar. This is reflected in the popularity of the event and how it has been received by the rail industry.

Proven format

RSN follows on from the huge success of the sister event, Rail Infrastructure Networking (RIN).

Keven Parker, Lead Sponsor said: "This event is unlike any other because we wanted to do something which was totally different and we have succeeded."

"We decided to host this after we were inundated with requests from rolling stock organisations to provide a similar event for their businesses."

"So we have listened and have now established RSN to give them the same great opportunities for growth and collaboration, whilst offering some of the lowest exhibitor costs available at a large scale, full-day event."

"This is going to be a very significant show – it is going to be everything we wanted it to be and more."

"What we have created is a superb full-day event, which will be the first of many, and I am delighted to announce that RSN 2020 will be back at the same great venue on Thursday, July 2, 2020. We have plans to make the show even bigger and better."



railbusinessdaily.com Conference // RailBusinessDaily

The event is complemented by the railbusinessdaily.com conference, where an impressive array of eight industry-leading speakers will deliver engaging presentations sharing their knowledge, experience and innovative working practices during a series of sessions throughout the day.

With speakers drawn from train operating companies, freight operators and the broader rail industry, the presenters and topics will undoubtedly have something of interest to showcase for all delegates.

The conference will include panel discussions and Q&A sessions. It will give delegates and exhibitors the opportunity to learn about projects, innovations, successes and real-life railway experiences that will help their businesses to grow and prosper – all delivered in railbusinessdaily.com's simple but impactful style.

David McLoughlin, CEO at railbusinessdaily.com, said: "RSN is already drawing the crowds and we are really pleased that the organisers have agreed to let us play our part in what promises to be a fantastic day." (Page 10)

Trade Association Events

Trade associations, including the Railway Industry Association, Rail Alliance and Rail Forum Midlands, will all be adding great value with their own events at the show. (Page 14)

Railway Children charity

RSN supports the Railway Children charity which fights for vulnerable children who live alone and are at risk on the streets.

They provide protection and opportunity for children with nowhere else to go and nobody to turn to.

The organisers will host a raffle and Vintage Trains have donated a fabulous prize of four tickets valid for a number of excursions - including dining. All proceeds will be donated to the Railway Children. Please purchase tickets at a modest price from the Railway Children Stand located at A1.

RSN 2020

RSN 2020 will be back in Derby Arena on Thursday, July 2.

Book your space and take your place.

Email: info@rsnevents.co.uk to reserve without commitment.



Win an amazing prize

Silver service dining for four people on a Vintage Trains Excursion

Buy your tickets at the Railway Children stand





ROLLING
STOCK
NETWORKING

Derby Arena

Thursday

11th July 2019

9:30 to 3:30





Event Floorplan

Find out where our trade exhibitors' stands are located.

Key:



Reception



Emergency Exits



Toilets



Cafe



Gold Sponsor



A10 Marketing Derby	B10 Rail Forum Midlands	C10 Dream Marketing Intl. Ltd	D10 Department for International Trade	E10 Warringtonfire	F10 Oilaway
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A9 Trent Instruments	B9 Jones Nuttall	C9 iPortrail	D9 Hydro Extrusion UK	E9 Samurai Digital Security	F9 Snap-On Rail Solutions
A8 Mattei Rail & Transportation	B8 Kilfrost	C8 Bombardier Hitachi HS2	D8 Hoppecke Industrial Batteries	E8 Altro	F8 Railway Support Services

A7 Uniroyal Global	B7 Responsive Engineering	C7 Leoni	D7 PTM Design	E7 Abloy	F7 Forbo Flooring Systems
A6 Cembre	B6 ExcelWraps	C6 CIRAS & RSSB	D6 SET GB	E6 Aura Graphics	F6 Norton Straw Consultants

A5 Dyer Engineering	B5 Rail Alliance and BCRRE	C5 Stewart Signs	D5 Lutze	E5 Mechan Limited	F5 Sabre Rail Services
A4 Handheld Rugged Computers	B4 TFC	C4 Harmill Systems	D4 Flotec Industrial	E4 Depot Rail	F4 Powelectrics

A3 Holbro Engineering	B3 Ast Rail	C3 EnPro Group	D3 PSL Assemblies	E3 Cairn Cross Civil Engineering	F3
A2 Signature Aromas	B2 M Buttkeireit	C2 Staytite Ltd	D2 R2P	E2 Railway Industry Association	F2 Jobson James Rail

A1* Railway Children	B1 Replin by Hainsworth	C1 Armacell UK	D1 KRG Engineering Services	E1 FliteTrak
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RAILWAY children
Fighting for street children

*Raffle ticket sales (Event Charity)



Entrance

G10 Alfatronix Ltd.	H10 Harmon Group	J10 Opinsta	K10 IXYS, A Littelfuse Technology	L10	M10 Washington Metalworks
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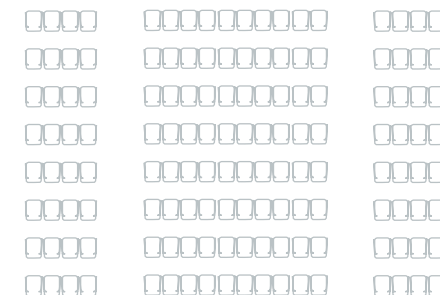
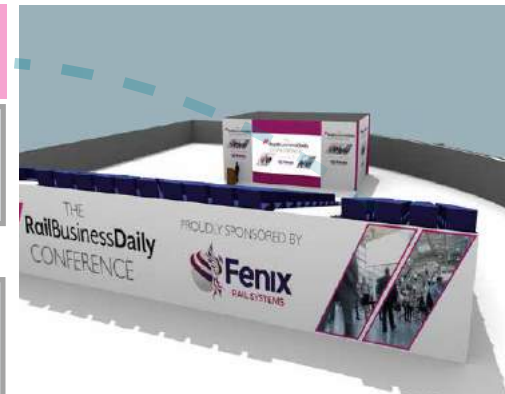
G9 RailBusiness Daily	H9 Vivarail	J9 Johnson Security	K9 TBAT Innovation	L9 Context Information Security Ltd.	M9 The National College for High Speed Rail
G8 HARTING Ltd	H8 Hepworth Rail	J8 HYTORC	K8 Time 24	L8 OnePLM	M8 Aegis Engineering Systems

G7 Harmonic	H7 Tratos	J7 Wurth Industrie Service GmbH & Co. KG	K7 Solid State Supplies	L7 ICP Datatec	M7 Provertha
G6 Arentis	H6 Anamet Europe	J6 Plastic Coatings	K6 Universal Wolf	L6 Network Certification Body (NCB)	M6 RSG Engineering

G5 PSV Wipers	H5 Mott MacDonald	J5 HUBER+SUHNER	K5 Garrandale	L5 FISA Fabbrica Italiana Sedili Autoferroviari Srl	M5 Luso Electronics
G4 Vintage Trains	H4 Telemecanique Sensors	J4 Schaltbau Machine Electrics	K4 CAF Rolling Stock UK	L4 ADcomms a Panasonic Company	M4 Scott Cables

G3 Westermo Data Communications	H3 Charcroft Electronics	J3 Elite KL	K3 Voith Turbo	L3 Hydram Engineering	M3 LPA GROUP
G2 On Train	H2 DC Airco and EAA Projects	J2 Infodev EDI	K2 JMG Systems	L2 Prysmian Cables & Systems	M2 Rail Operations Group

H1 Rowe Hankins	J1 LHplc	K1 I M I Kelly R & A	L1 Barnbrook Systems	M1 Bender UK
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The RSN Conference by:
RailBusinessDaily

N1 Eaton Electric	N2 Acres Engineering	N3 K M Tools
N4 Harry Needle Railroad Company	N5 Fenix Rail Systems	N6 Gem Cable Solutions

P1 Jewellers Doors	P2 Qualitrain Ltd
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Dr Edd Stewart

Dr Heather Steele

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TRANSFORMING THE RAILWAYS OF THE WORLD**

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Find us on stand
B5



*at the heart of
the UK supply chain*

Join the Rail Alliance for free and be part of
the **fastest growing** rail business community

visit
www.railalliance.co.uk/join
to join the community today

Network
Collaborate
Innovate
Thrive

Find us on stand
B5

The railbusinessdaily.com conference - with eight industry professionals

Join us at the railbusinessdaily.com conference today which will run between 9.45am and 3pm.

The conference features eight leading industry professionals who will share their knowledge, experiences and innovative working practices during short sessions.

With speakers drawn from train operating companies, freight operators and the broader rail industry, the presenters and topics will undoubtedly have something of interest to showcase for all delegates.

9.45am David McLoughlin from Railbusinessdaily.com officially opens the conference	12.30pm Barry Tan
9.50am Adrian Shooter	1.10pm Craig Purcell
10.30am Maggie Simpson	1.50pm Ravi Taheem
11.10am Hein van der Schoot	2.30pm Cath Bellamy
11.50am Karl Watts	3.00pm The conference closes

Simply turn up to this event, booking is not required.

Find us to the right of the entrance in space provided by RSN



David McLoughlin
Chief Executive,
railbusinessdaily.com
will compère the event.



He said: "We are really pleased the RSN organisers have agreed to let us play our part in what promises to be a fantastic day.

"We've secured eight high-profile speakers who will speak on an array of topics - offering something for everyone.

"Tickets are not required for the conference, simply turn up and take your seat."



Adrian Shooter
Chief Executive,
Vivarail



Adrian has worked in the Rail Industry for over 40 years. A Chartered Mechanical Engineer, he has specified and procured several types of trains for British Rail, Chiltern Railways and London Overground. (Classes 319, 325, 168, 172).

Adrian led a management buyout of Chiltern Railways in 1996 and retired as Chairman of Chiltern Railways and London Overground Rail Operations Ltd in 2011. Since then, Adrian has consulted on railway engineering, operations and customer service.

Vivarail

In four years Vivarail has grown from start-up to full train manufacturer.

The key aims of the company are to produce low-cost, low-maintenance rolling stock, develop systems and designs that make use of emerging technologies and bring innovative ideas to benefit passengers, operators and the environment.

Vivarail has designed and built a train that can be used now and in the future.

Chosen topic

Adrian will discuss emission-free trains and fast charging for the UK market.

He will reveal information about the battery train Vivarail has built – the UK's first modern battery train – combined with a fast charge system and power storage bank.



Maggie Simpson
Director General, Rail Freight Group



Maggie Simpson has been leading work to ensure that Government and rail industry policy is supportive to a growth of rail freight and that member companies of the Group have the opportunity to participate fully in the sector.

Previously Maggie worked in a range of passenger and freight roles at the Strategic Rail Authority and OPRAF, including freight strategy development, and franchise management. She has also worked in consultancy.

Rail Freight Group

Rail Freight Group (RFG) is the representative body for rail freight in the UK. The aim of the company is to increase the volume of goods moved by rail. Members include rail freight operators, logistics companies, ports, equipment suppliers, property developers and support services, as well as retailers and construction companies.

As Director General at Rail Freight Group, Maggie Simpson and her team work to influence government policy to ensure it favours growth in rail freight. Her job is to make sure the importance of rail freight to Britain's economic success is never overlooked.

Chosen topic

After a brief introduction to RFG, Maggie will reveal what the current market is looking like, and discuss trends.

She will talk about where the investment and growth is currently coming from, and give a leading insight on the challenges, opportunities and disruptors facing the rail freight industry.



Hein van der Schoot
Managing Director, Stadler Rail Service
(USA, UK and the Netherlands)



A general manager with a background in finance, Hein focuses predominantly on UK projects in Glasgow, Norwich, Liverpool and Cardiff. Under his stewardship, SRS Netherlands has won every maintenance contract for regional operators it bid for. His career on the railway began in 2012 when he joined Voith Railservices, acquired by Stadler in 2013, when he started at the Swiss rail company. Previously, he worked in other industries, including steel (Via Corus), utilities (Nuon), as well as manufacturing (Citadel Industries).

Stadler Rail

Stadler provides a comprehensive range of products within the heavy and urban transport sectors, including high-speed, intercity, regional and commuter heavy rail trains, underground trains, tram-trains and trams. It also builds main-line locomotives, shunting locomotives and passenger carriages, and is the world's leading manufacturer in the rack-and-pinion rail vehicle industry.

Chosen topic

Hein will give an overview of the Stadler Group, with particular emphasis on the UK market, including the four 'live' projects in its portfolio.

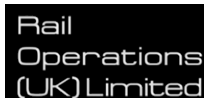
These are the order of 58 trains for Greater Anglia, set to be rolled out this year; the 17 new trains for the Glasgow Subway, one of the oldest underground networks in the world; and the 52 Metro trains for the Liverpool City Region. Most recently, Stadler completed the financial arrangements with Transport for Wales to supply 71 trains for Wales & Borders.

As well as manufacturing vehicles, Stadler provides service and maintenance, and has been looking after the Merseyrail fleet since October 2017. Hein will also discuss Stadler's diversification into this area of business.



Karl Watts

Chief Executive Officer (CEO),
Rail Operations (UK) Limited



Karl is leading the development of Traxion and Orion. He is also leading the development and procurement of class 769 'FreightFlex' tri-mode units and a fleet of class 93 mixed-traffic locomotives - the UK's first Hybrid locomotive fleet.

Rail Operations Ltd

Rail Operations Group is the UK's most innovative train operating company, dedicated to the rolling stock manufacturing, engineering and leasing sectors.

Chosen topic

Mr Watts will discuss ROG's presence in the UK rail industry's supply chain as a provider of specialist train operating services in support of the rolling stock manufacturing, engineering and leasing sectors.

This will include the range of unique and very specialised services ROG offer to the industry including the innovation brought to the market to modernise outdated operating practices.



Barry Tan

Vehicle Dynamics Engineer,
Rail Safety and Standards Board (RSSB)



Barry's current role involves the development of Railway Standards, Euronorms and ISO documents. Barry also sits on steering groups for research and development projects as a technical specialist – including the research on passenger seat comfort.

RSSB

Through research, standards and analysis, the company helps its members deliver a better, safer railway.

Chosen Topic

Barry will discuss the work that RSSB is doing with key stakeholders to improve winter preparation for rolling stock, infrastructure, and operations. He will present the existing guidance note related to winter preparation and the work being undertaken to improve it for the rail industry.

The purpose of this is to raise awareness of the work involved for winter preparation – even in the summer months. This will improve cooperation between TOCs, FOCs and infrastructure managers by aligning expectations, improving the understanding of required actions from all relevant parties and learning from experience.



Craig Purcell

Chief Executive Officer, Fenix Rail Systems



Craig started his career in signalling design for British Rail, progressing through the signalling engineering disciplines.

In his current role, Craig has responsibility for overseeing the day to day running of Fenix, managing his team, developing strategy and building a sustainable future for his business.

Fenix Rail Systems

Fenix Rail Systems is an experienced and trusted provider of high-quality mainline signalling and depot control systems.

The firm provides a wide range of expert professional services to the rail and light rail sector across the UK, Southeast Asia and Australasia.

Chosen topic

Craig will discuss 21st century depot control and what can be done to locate efficiencies in depot operations to reduce delays.

He will discuss the Tie-Fenlock system, which was first installed in the UK at the Central Rivers Depot in 2000 and has since established a track record of outstanding reliability.

It is imperative that train movements into and out of a depot are as smooth as possible, which is why the innovative depot control system was created.

Craig will share information on how the system assists the depot team to optimise the operation of the depot, including how it's made depot operators' jobs quicker and easier so that a single operator can control even complex depots.

The system is adaptable for new and existing depots around the UK rail network, due to its centralised depot control features and low operating and maintenance costs.



Ravi Taheem

Sourcing Director, CAF Rolling Stock UK



Ravi's experience spans several years working within the UK and wider European rail and infrastructure sectors affording him significant industry insight at varying levels. He has held mission-critical positions of responsibility and shaped commercial policy across major areas of spend represented by critical systems and services.

Based at the CAF Rolling Stock production facility Newport, Ravi has responsibility for mobilisation of the CAF Rolling Stock UK Procurement organisation with primary focus on the localisation of direct and indirect material groups in addition to supporting new projects introduction across CAF Rolling Stock UK's commissioning centres.

CAF

Since CAF was founded, it has been noted for its versatility, flexibility and for its capacity to constantly adapt to the requirements of each and every customer, in all areas.

CAF is a multinational group with over 100 years of experience in the supply of comprehensive transit solutions positioned at the forefront of technology for high value added sustainable mobility.

The company is a leader of the railway industry offering one of the most comprehensive and flexible arrays of products in railway related markets, such as rolling stock, components, infrastructure, signalling and services (maintenance, refurbishing and financial services).

CAF's committed personnel and the cooperation with our business partners enable us to enhance customer satisfaction and create value for our shareholders.

Chosen topic:

Ravi will give an introduction to CAF Rolling Stock in the UK, delivering an overview of its current UK operations and localisation policy around direct and indirect goods and services.

Ravi will be happy to discuss CAF as an entity in the UK and its policies around procurement policy in the UK.



Cath Bellamy
Managing Director,
Vintage Trains Ltd.



Cath has been a senior figure in the UK rail industry for the last 25 years.

The former British Rail graduate trainee was MD of the Chiltern Railways franchise until 2007, then went on to run open access operator Hull Trains and support the Department for Transport and major industry suppliers in several major transport related projects.

In her current role as MD at Vintage Trains Limited (VTL), Cath has been given the challenge of setting up a main line steam company and helping to make sure steam has a future on the main line for years to come.

Vintage Trains Limited (VTL)

VTL offers heritage steam-hauled railtours to destinations throughout the UK, as well as shorter excursions, picnic and dining trains

In 2018 VTL became the first ever Train Operating Company (TOC) to be owned by the public and charitably controlled.

The firm aims to develop its base at Tyseley Locomotive Works into a global centre of excellence in the running and ongoing preservation of steam on the main line and in turn, maintain the heritage skills required to do so.

To support the retention and teaching of heritage engineering skills, VTL provides associated apprenticeships programmes that help deliver the enjoyment of steam for years and generations to come.

The company eventually wants to expand across the country, to serve destinations such as London, York and Chester.

Chosen Topic

Creating a future for main line steam in the 21st Century.

Trade Association Events at RSN

Three Trade Associations will host their own events during the course of the day at Rolling Stock Networking (RSN). The events can be found to the left of the hall on the raised platform.

There will be a series of technical and commercial presentations where visitors can hear about project successes, industry marketing news and innovative products and solutions.

Each offering will provide real substance and interest to the visitors, in a packed programme there is expected to be something for everyone.



The Railway Industry Association will present a series of presentations that look at the challenges in delivering an environmentally friendly railway, innovation in rail and then move onto looking at commercial matters surrounding Brexit and the influx of new vehicles.



Rail Alliance will present the Rail Alliance and BCRRE's combined capability for identifying, accelerating and connecting innovation. Informative sessions throughout the day will provide knowledge and insight regarding the rail sector's procurement challenges.



Rail Forum Midlands will provide an engaging session on the subject of the Rail Sector Deal. There will also be a workshop related to schools engagement, apprenticeships together with SME collaboration.

09.30 - 11.30am
Railway Industry Association

11.30 - 1.30pm
Rail Alliance / BCRRE

1.30 - 3.30pm
Rail Forum Midlands



The Railway Industry Association is the biggest and most influential trade body, representing UK-based rail suppliers.

Drop in and join us for one or more of these short, informative, topical presentations, each one followed by Q&A.



09.30 - Welcome to RIA
Monica Barbosa
Membership Engagement Manager



09.45 - Decarbonisation in Rail
David Clarke
Technical Director



10.20 - Innovation in Rail
Richard Jones
Senior Technical & Innovation Manager



10.50 - Brexit
Damian Testa
Senior Policy Manager



11.05 - Rolling Stock Pipeline
Peter Loosley
Policy Director

11.30 - close



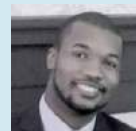
Rail Alliance and the University of Birmingham's Centre for Railway Research and Education (BCRRE) will outline their combined capability for identifying, accelerating and connecting innovation, by providing informative sessions throughout the day. The presentations are expected to provide knowledge and insight regarding the rail sector's procurement challenges.

BCRRE has close relationships with the rail industry, ensuring that research and teaching draws on real-world situations. This includes forging strong relationships with SMEs for the benefit of the railway supply chain.

The Rail Alliance is a B2B networking organisation that brings customers, suppliers and supply chain opportunities together. It is a membership organisation that sits at the very heart of the rail supply chain.

The Rail Alliance and BCRRE have recently signed an MOU bringing together the capabilities, competences and facilities of both organisations to provide a wealth of services to the rail industry.

The news has an added benefit for Rail Alliance members that not only gain value and benefits from membership as it stands today, but in addition opens the opportunity to gain direct access to leading-edge rail research resources and education, with the option to further utilise test and trial facilities at Quinton Rail Technology Centre.



Al-Amin Dabo
PhD, Business
Engagement
Manager (DIGI-RAIL
Project)BCRRE



Martin Little
Commercial Director,
Rail Alliance and
also Senior Technical
Officer, DIGI-RAIL
Project



Eli Rees-King
Marketing Director,
Rail Alliance and
also Senior Technical
Officer, DIGI-RAIL
Project

The Rail Alliance will be running four half-hour sessions at RSN:

Session 1: Get into Rail – Martin Little and Eli Rees-King

Session 2: Introduction to the DIGI Rail Programme – Al-Amin Dabo and Martin Little

Session 3: What's new at the Rail Alliance BCRRE and how to join?

Session 4: Drop-in session for questions & answers with the team



Elaine Clark,
Chief Executive Officer,



Elaine Clark will deliver an engaging presentation which will describe two workstream pilots. The first will look at apprenticeships and the second will explore issue-targeted SME collaboration.

Rail Sector Deal

The Rail Sector Deal was launched in December 2018 and delivery activity is now underway. Within one of seven workstreams defined by the sector deal; Rail Forum Midlands will be leading the work on two 'Midlands based pilots'

Apprenticeships

The first of these initiatives is aimed at making apprenticeships more accessible to SMEs together with developing a more coordinated approach to schools engagement across the region.

SME Collaboration

The second pilot looks to link up SMEs to work collaboratively on specific issues and opportunities identified by key clients. The session will provide an update on the work to date and explain how SMEs can keep in touch with developments and/or get involved.

The session will be designed to be interactive providing ample opportunity for SMEs to contribute ideas and feedback.

About the Speaker

Elaine became Rail Forum General Manager at the beginning of 2016 having joined the team from the National Skills Academy for Rail. She took up the new position of CEO in March 2019.

A Chartered Engineer, Elaine spent a number of years in the chemical industry before joining the power sector immediately post privatisation.

As a senior member of the Ratcliffe on Soar management team Elaine was involved in major change programmes followed by heading up Powergen's commercial training business.

She then spent 20 years in training and skills including as Managing Director of a leading SME training provider growing the business from £1m to over £7m turnover.

Elaine leads the RFM team and is responsible for strategy, delivery of the rail sector deal initiatives and ensuring the team is supporting its members across its range of activities.

Department for International Trade Services at RSN 2019



Andrew Scott-Green is an International Trade Adviser specialising in rail who supports the Midlands Engine which is part of the Department of International Trade. Andrew will be on stand D10 at the RSN 2019 show on 11th July in Derby and would like to discuss your experience of exporting and how you would like to start or increase exporting.

The Department for International Trade (DIT) helps businesses export and grow into global markets. We also help overseas companies locate and grow in the UK.

The Midlands Engine is a coalition of councils, combined authorities, local enterprise partnerships (LEP), universities and businesses across the region, actively working with government to build a collective identity, to enable us to present the Midlands as a competitive and compelling offer that is attractive at home and overseas.



Department for
International Trade



Andrew is able to connect you with the appropriate services and information that is available through DIT. Andrew can also help you to develop an export plan and is able to mentor you through the process as he has many years of exporting experience in rail and other highly regulated industries.

Meet us on stand D10

On Train continues to grow its breadth of services and capability

The company is RISQS verified and has completed numerous rail vehicle projects.

On Train has an adaptable and responsive profile, built upon mutually advantageous partnerships that bring the very best products to market. We form a team with our OEM clients to install and then maintain those products through their entire life-cycle, providing train owners and operators with the added assurance that their rail services and vehicles will be fully supported by a local partner.

The company provides UK-wide sales representation and project services for DC Airco, Infodev EDI and EAA Projects, the latter enabling the provision of contract labour. Our low-cost method of operation constructs project teams appropriate to project scale and duration.

In 2018 and 2019 we have installed Passenger Counting on Class 185, maintained Passenger Counting on Voyagers and other vehicles whilst

our FGAS qualified refrigeration engineering teams provide maintenance of Cab Air Con on Classes 317, 158, 456 and 323.



On Train expects an exceptionally busy 2019 and 2020 and remains focused on controlled growth through addition of OEM products, providing support to rail vehicles and keeping trains running.

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Technical Product Installations
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(Typical rolling stock applications for Hardlock Nuts)

Vibration can loosen fasteners on track or rolling stock applications. In extreme cases vibration leads to failure and major accidents. More often loose fasteners compromise build quality and require increased inspection and maintenance. Both requirements cost time and money.

The unique design of the Hardlock Nut makes it excellent at resisting the effects of vibration. It has been specified by Network Rail for use on safety-critical track applications and since 2003 over 500,000 have been installed successfully.

The Hardlock Nut is also fitted on rolling stock, used in many countries throughout the world. Why? Because it successfully withstands loosening caused by vibration. For over 40 years leading Japanese rolling stock manufacturers like Hitachi and Kawasaki have specified the fitting of Hardlock Nuts. They use sizes from M6 to M36 and above in both steel and stainless steel materials.

The Hardlock Nut is a product that improves safety. It is easy to fit, and is reusable many times without loss of effectiveness. It is a cost-effective improvement for equipment manufacturers.

Staytite Ltd – Stand C2 will be displaying the Hardlock Nut and would welcome the opportunity to discuss how this locking nut can enhance your product.

Staytite Ltd supplies the full range of fasteners and C class components to end users. So, a visit to our stand is a must for design engineers and buyers!

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We act for all types of railway company, manufacturers of products that are incorporated into rolling stock and rail infrastructure, advisors and consultants, engineers and contractors making/installing modifications to rolling stock. Our rail clients have come to us because they need expert advice and we usually place cover which is wider and provide a premium saving because we use specialist rail-friendly insurers we have developed relationships with over the past 10 years.

Please call by our stand to speak to one of the team and we will be happy to provide advice - or call Rail Director Keven Parker on 07816 283949.

Bender UK RS4 Rail Signal Power Protection

Proven, compliant, retrofit and replace solutions for intelligent rail monitoring and maintenance
Bender UK at Railtex 19 Stand H91



Next generation Rail Signal Power Protection with increased sensitivity for first fault location and compliance with Network Rail's Insulation Monitoring and Fault Location requirements is the focus of Bender UK Stand H91 at Railtex 19.

Bender UK's Rail Signalling Protection System – RS4 - delivers multiple-tier smart cable insulation monitoring that Network Rail needs to reduce rail downtime and improve operations. The new RS4 steps up the performance of Bender's already proven systems to provide a holistic picture of cable health, along with a rich data set that meets the requirements of standard NR/L2/ SIGELP/27725.

The new system employs tried and trusted Bender measuring technology offering increased sensitivity with improved feeder first fault location from the 20kΩ pre-warning level to 100kΩ and higher, depending on system capacitance.

Proven history and track record

Bender UK's advanced intelligent insulation monitoring equipment has a proven track record with more than 1,000 systems installed across the UK's rail networks over the last two decades.

Bender equipment plays a vital role in the predictive maintenance and cost-effective fault finding that is essential to minimise disruption. New RS4 Tier 3 and Tier 2 solutions are on trial on several key Network Rail routes in the south of England.

The retrofitable solution can upgrade existing RS3 installations in minutes without disconnection. It offers cost-effective continuation for legacy equipment that is compatible with existing Intelligent Infrastructure remote condition monitoring through GSM-enabled data loggers.

Tier 1, 2 and 3 Solutions

The Tier 2 solution provides full insulation resistance levels of individual feeders with increased system visibility at minimal extra cost over Tier 3 technology and is fully upgradeable to deliver a Tier 1 solution.

Bender UK's RS4 solution for Tier 1 requirements provides full insulation resistance levels of individual cable subsections and within FSPs (Functional Supply Points). It also offers the flexibility to deliver tailor-made solutions on a project-by-project basis.

Specific bespoke solutions

The RS4 Tier 1 solution is fully retrofitable and compact for utilisation within SIN19 remedial works. It does not require a 650V or earth reference connection for FSP installations making the Bender Tier 1 solution fully class 2.

Bespoke customised data and communication options can be achieved and tailored to specific projects - fully integrated with existing Intelligent Infrastructure.

Trackside equipment can be fully integrated into existing FSP architecture and the Tier 1 solution offers remote fault location to FSP or cable length, with precise manual fault finding at 100kΩ.

Rapid and Precise Fault Finding

The advanced RS4 device builds on the technology already proven in use across Network Rail with many Bender rail signalling protection systems already delivering vital information on the status of power supplies.

Alongside enhanced sensitivity for 'first fault' location (100kΩ) RS4 measures capacitance, voltage and frequency delivering data within the standard display options to provide more information to help assess the health of the system.

The ability of RS4 to locate faults more precisely means maintenance teams can respond more quickly, enhancing safety and reducing downtime costs. Bender UK's RS4 system continually monitors insulation values to show real-time status of the power system. When the insulation value (IR) drops, the system records the fault and puts a test current signal or pulse into the system which is pulled to earth at the point of failure.



Portable Technology

A portable Bender RS-PELI device can be used trackside for measuring and analysing a specific section of the power network to prioritise installation programmes. The unit is self-powered through connection to the trackside signal electrical network and delivers live monitoring of the system status. The RS-PELI unit can also be used to provide independent verification of the RS system performance. Significant improvements have been made to the portable insulation fault case EDS3090 - with more sensitive clamps and receiver technology to enhance exact fault location accuracy to up to 100kΩ.

Bender UK Managing Director Gareth Brunton explains: "With the support of our expert research and development team in Grunberg, Germany, we have created the cost-effective multi-tier RS4 monitoring solution. It is a response to the new standards set by Network Rail and enables our customers to plan their intervention around their business needs, employing intelligent monitoring to minimise rail disruption. At Bender UK we continually strive to upgrade the performance of our products and services to respond dynamically to the changing needs of our customer, helping them to comply with the latest regulations."

The RS4 intelligent insulation and earth fault monitoring system is part of the Bender UK range of rail system protection products that includes monitoring of rail switch points heating units and motors, and control voltage network monitoring for railway crossings.

For more details visit Bender UK at Stand H91 Railtex 19, or go to www.bender-uk.com

Infodev EDI's award-winning, highly accurate, automatic passenger counting is a UK market leader - operational worldwide.

The equipment is very valuable for any train operator that needs to meet franchise commitments for passenger counting or wants to identify and deliver the benefits in operational efficiency that accurate passenger analysis can facilitate. The comprehensive Infodev solution is backed up by powerful analytical software packages that provide high-quality data upon which service and investment decisions can be made in confidence.



The continued success of Infodev EDI's products and services can be seen in the UK and worldwide market where the passenger counting solution sees particular success due to its exceptional accuracy. Surpassing other technologies and due to its ease of installation, its exceptionally thin sensor array ensures that installation can be achieved in the most difficult scenarios.

In the UK alone Infodev EDI equipment is fitted to train classes 142, 144, 150, 153, 155, 156, 158, 165, 168, 170, 185, 220, 221, 222, 230, 315, 321, 322, 323, 333, 442 and HST.

On Train represent Infodev in the UK, see On Train on Stand G2 and Infodev on Stand J2.

More detail can be seen at www.infodev.ca

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First class engineering company improving the life span of Class 375 Gangways

Jones Nuttall Ltd, a precision engineering company based in Warrington, Cheshire, specialising in rail overhaul and refurbishment as well as fabrication and CNC machining, prides itself on working closely with its customers, to deliver the best and most cost-effective solutions. Having been in business 50 years Jones Nuttall Ltd understands that price, quality and lead times are of paramount importance.

Bombardier awarded Jones Nuttall the contract to refurbish the Class 375 gangways, increasing the life span of the gangways, based on historical and proven ability to supply component parts to customer specifications on time and within project budgets. The programme was so successful that Jones Nuttall was awarded a second gangway refurbishment project from Bombardier that commenced in August 2017 for a two-year period. A total of 224 gangways will be refurbished to an agreed customer specification with a turnaround of two completed gangways being collected each Monday and delivered into Bombardier's depot.

Part of the refurbishment is the anti-friction liners, made from Railko NF21 and Feroform, these are machined within the laminate division on one of three CNC routers. Jones Nuttall also machines the aluminium rubbing plates that fit the gangways on one of the 10 CNC Hurco milling machines located in the precision engineering division. By machining all elements in house Jones Nuttall has complete control.



Another part of the refurbishment process are flexitors which join the gangway to the train carriage. Jones Nuttall and Atkins consultancy collaborated on re-designing these back in 1998 considerably increasing the flexitors lifespan.

In an industry where reputation is everything you will not find a more committed and focused company than Jones Nuttall with a genuine interest in every job.



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Get on track with innovative rail solutions from HARTING

At HARTING, our slogan 'Pushing Performance' challenges us to constantly innovate our products and solutions to help deliver advancements in the transportation industry. For example, there is currently a drive towards weight reduction within the rail vehicle construction sector, as manufacturers strive to improve efficiencies by minimising energy consumption.

Every gram in weight needs to be accelerated and decelerated thousands of times during a vehicle's life. A heavier vehicle requires more energy to move, which in turn costs the operator more money. According to calculations by railway operators, each kilogram of train weight costs more than £10,000 over an average service life of 40 years.

Alongside improving aerodynamics, reducing the weight of components is a key method of delivering savings and connectors can make a measurable contribution. With the Han-Eco® B, HARTING has developed a range of hoods and housings manufactured from high-performance, glass fibre-reinforced, polyamide plastic. Compared to traditional metal versions, these offer substantial weight savings of up to 50% per connector.

The Han-Eco® range complies with standards IEC 61948 and EN 45545-2 HL3 and is fire-resistant according to UL94 V0. Furthermore, the Eco B is compatible with standard metal Han® B housings, meaning both variants are interchangeable. As well as being lightweight, the Han-Eco® B also supports modular inserts, meaning data, signal and power can all be combined into one standard-sized industrial connector. Not only does this make them versatile, it further reduces the space requirement for connectors within the train.

HARTING is also implementing the trends of modularisation and miniaturisation within the sphere of heavy-duty connectors. Continuous development of the High-Pressure Railway (HPR) housing range means it is now possible to incorporate more connectors within a single housing. For example, the Han® 34 HPR can now take up to four 650 A high-current contacts or twelve individual Han-Modular® modules.

Previously two housings, each fitted with six individual Han-Modular® modules, were required in order to deliver a comparable data supply. This reduces both the proportional weight of the connector and the space requirement too, offering greater flexibility and reduced costs.

Similarly, the flat, compact shape of the Han® 22 HPR Slim motor connector makes it particularly suitable for use in underfloor areas.

As space for fitting components becomes increasingly scarce in rail vehicles, HARTING has looked at the issue of assembly solutions. Interior fitting work in trains is often awkward due to tight space conditions and areas such as cable ducts, wall ducts and the interior of control cabinets can be difficult to reach. When you're working in confined spaces, simple installation processes are crucial. Thanks to the M12 PushPull, there's now a solution which offers handling, time and reliability benefits for the user.

Traditionally, M12 connectors were locked in place via a screw connection, with a tool being used to achieve the necessary torque. However, if there is barely any space to insert a screwdriver or accommodate a wrench, the assembly quickly becomes complicated. This method is also extremely time consuming, especially if 20 ports on a switch need to be mounted in a confined space or uncomfortable working position. The M12 PushPull uses an intuitive, tool-free connection technique that ensures absolute dependency; as the two sections are clicked into place by hand, an audible feedback indicates the connection is secure.

As well as simplifying difficult fittings, the tool-free installation method also means the assembly density can be significantly increased, helping to save valuable space.

Finally, HARTING can also assist you with the specialist manufacture of Inter-car Jumpers for power and data, which are designed and manufactured at our UK facility in Northampton. If you'd like to discuss our innovative turnkey solutions or learn more about our range of rail-focused products, please visit us on Stand G8 at the Rolling Stock Network event.



https://www.harting.com/UK/en-gb/solutions/circular-connectors?utm_source=rsn&utm_medium=print_advert&utm_campaign=uk_pushpull



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Find out more on our website www.HARTING.com

www.HARTING.com/UK/en-gb/markets/transportation

Doncaster inland rail freight terminal poised for 2019 growth

The UK's newest inland rail freight terminal for 10 years, iPort Rail in Doncaster is poised for further growth this year after welcoming its first commerce service in late 2018. This service was operated by GB Railfreight.

Part of the major multimodal logistics hub iPort, delivered by pan-European logistics specialist Verdion, the rail freight terminal was built to open up the region to faster trade links with the rest of the UK, Europe and internationally.

The facility, which has been designed from the start to meet SACTIFF security requirements, is capable of handling 775m trains with further space to expand the railhead as demand grows, potentially doubling the size of the terminal.

Two reach stackers with 115-tonne front axle loads work on site and there is space to offer secure storage of up to 1,500 TEU of laden and empty containers.

The national intermodal landscape, especially around Yorkshire and Humberside, the East Midlands and M62 corridor, is changing as a result and the facility is becoming a huge success story, with more routes now at the advanced planning stage.

iPort Rail's latest figures show the terminal's train departure times are currently running at 97.3 per cent on time, with current average in-gate/out-gate terminal times for HGVs at only 18 minutes.

"We run daily services between iPort and Southampton and Felixstowe, and more routes to and from the East Coast ports and up to Scotland are under serious discussion and expected to be confirmed later this year," said Steve Freeman, Managing Director of iPort Rail.

"Our Doncaster location is a major advantage, with 87 per cent of the mainland UK population within a four-hour drive, and we have applied for Authorised Economic Operator (AEO) status for the terminal to help maintain smooth cargo flows for international freight at the site post-Brexit."

iPort itself is the UK's most advanced multimodal logistics hub, with planning consent for 6 million sq ft. Current occupiers including Amazon, CEVA, Fellowes, and Lidl with immediate availability for smaller warehouses and phase two of development recently launched.

For more information visit www.iportrail.com



Strategic
rail freight solutions

- State-of-the-art rail freight terminal now fully operational at the heart of iPort, Doncaster
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Samurai at RSN 2019

The rail industry has seen cyberattacks becoming more common e.g, GWR and Eurostar recently advising customers to reset their passwords following compromise. Most railways were built before cybersecurity was a concern and this places them at imminent risk of attacks.

This is not only the case for the Operational Technology (OT) systems that sit on the side of the track, but for all systems such as in-train Wi-Fi, Internet of Things (IoT) devices and the core business systems that power day-to-day operations. Targeted cyberattacks can affect:

Ticketing systems: Loss of revenue, loss of customer trust and customer data breach (financial data, personally identifiable information).



Timetabling systems: loss of revenue, regulatory action e.g. fines, sanctions, widespread disruption and potential breach of service level agreements for rail franchise operation.

Mobile apps: loss of revenue, loss of customer trust and customer data breach.

Staff management and rostering systems: Loss of revenue, regulatory action (fines, sanctions) widespread disruption, compromise of confidential employee information and potential breach of SLA for rail franchise operation.

Signalling systems: Samurai Digital Security director Dr David J Day presented at young rail professionals forum on how people and technologies can be hacked to devastating effect, a brief write up of which exists here: <https://samuraisecurity.co.uk/hack-the-track>.

Prevention of cyberattacks involves adopting secure design principals to both the technologies and business processes to ensure that security is built in. Following this, security assessments should be regularly conducted to identify any residual vulnerabilities and identify all remedial actions needed.



Samurai Digital Security are an elite team of cyber security specialists, uniquely qualified to manage all aspects of cyber security within the rail sector.

For information on how Samurai can help your business avoid cyberattack find us at the Trade Show Stand Space - Location E9 or visit our website www.samuraisecurity.co.uk

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Rail Operations Group
inspired evolution

Traxion
rolling stock management

Orion high speed logistics

Harmill introduces new battery shunters and lifting jacks to UK

Lightweight vehicle for up to 150 tonnes joins the range of road / rail bogie and train movers

Leighton Buzzard-based depot plant and equipment specialist Harmill Systems announces the introduction of its innovative electric road/rail train and bogie pulling vehicle.



Harmill has partnered with IME-Autolift since 2018 to supply lifting jacks in the UK. IME-Autolift is one of the world's leading train lifting jack manufacturers.



The lightweight tug is designed for the removal of bogies from beneath raised train bodies and moving trains or locos up to 150 tonnes. It can also be used to tow a rail trolley with slewing table that is used to remove and install rafts under the train. This vehicle complements Harmill's range of other road / rail vehicles for moving up to 500 tonnes.

Drive comes from two traction motors driving two wheels independently. The benefits of this novel design are reduced cost and excellent maneuverability. The vehicle will turn in its own length and is easy to transfer from road mode to rail mode. Operation is by a radio remote control system which gives operator feedback on a colour display.

Harmill has supplied Vivarail with 20 mobile jacks for its expanded premises at the Quinton Rail Technology Centre, Long Marston. Freightliner, based in Southampton, has eight new lifting jacks to maintain wagons. These can be operated as two sets of four, or one set of eight jacks.

Harmill also has a significant range of railway depot equipment, such as hydraulic pit manipulators, battery powered vehicles, scissor lifts, access platforms and pit boards. It can also supply depot plant systems with centralised vacuum cleaning systems and dust extraction, for example.

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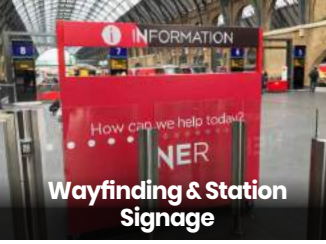








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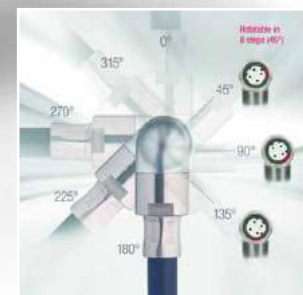


PROVERTHA Expands its M12 Portfolio

With the new 90° angled X-code variant for highly flexible and fast industrial data connections



Also available in
A, B and D code



PROVERTHA expands its comprehensive M12 connector portfolio, introducing new X-coded 90° variants. The new M12 connectors are ideal for high-speed data networks in industrial automation. In addition to the straight variants PROVERTHA introduces new angled M12 X-code 90° connectors, especially addressing space restricted applications. The M12 X-coded devices are extremely compact and support the TIA-568 and ISO/IEC-11801 Cat6A specifications with up to 500 MHz, enabling 10 Gbps Ethernet systems.

Using the new X-coded connectors with mating face according to IEC 61076-2-109, complete systems for high-speed data transmission with 10 Gbps can be built in the popular M12 format. Compared to D-coded M12 connectors (10/100 Mbps) the data transmission speed is increased approximately by factor 100. To support the high data rates, the new M12 X-coded connectors provide a special shielded design reducing crosstalk and signal coupling. All components (female and male variants) fulfill the needs according to Cat6A and are protected according IP67.

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 <p>Bender is a global pioneer of electrical safety technology. Bender rail technology is approved and proven in use on Network Rail infrastructure throughout the UK. Solutions include insulation monitoring and earth fault location systems, enabling the identification of developing faults and</p> <p>improving operational efficiency of rail networks.</p> <p> www.bender-uk.com/products/signal-power-protection-systems-overview T: 01229 480123 </p>	
Birmingham Centre for Railway Research and Education (BCRRE)	Stand B5
 <p>The Birmingham Centre for Railway Research and Education (BCRRE) at the University of Birmingham, UK is the largest university-based centre for railway research and education in Europe, developing world-leading new technologies alongside renowned higher education programmes.</p> <p>In 2018, Rail Alliance was integrated into BCRRE. Rail Alliance is a specialist division of BCRRE and provides B2B business support and networking for the rail sector.</p> <p> www.birmingham.ac.uk/railway T 0121 414 2626 </p>	
Bombardier Hitachi HS2	Stand C8
CAF Rolling Stock UK	Stand K4
Cairn Cross Civil Engineering	Stands E3 and F3
Cembre Ltd	Stand A6
 <p> www.cembre.co.uk T: 01675 470 440 </p>	
Charcroft Electronics	Stand H3
CIRAS	Stand C6
Context Information Security Ltd.	Stand L9
DC Airco	Stand H2
Department for International Trade	Stand D10
Depot Rail	Stand E4
Dream Marketing Intl. Ltd	Stand C10
Dyer Engineering	Stand A5
EAA Projects	Stand H2
Eaton Electric	Stand N1

Elite KL	Stand J3
EnPro Group	Stand C3
ExcelWraps	Stand B6
Fenix Rail Systems	Stand N5
 <p>Fenix Rail Systems, in conjunction with our supply chain partners, and as part of the Network Rail digital strategy, have developed an innovative digital solution which continuously and automatically monitors movements and operations within the depot.</p> <p>The Tie-FenLock Depot Control system is a signalling solution that assists depot operators by reducing their workload and increasing safety, allowing the operator to set multiple routes within the depot in just a few seconds to optimise the operation of the facility in a safe and reliable manner.</p> <p>This prevents any conflicts whilst setting routes and alerts of potentially dangerous situations, which avoids any wrong-side failures.</p> <p>The system meets the highest requirements stipulated for systems related to depot train control and is a cost-effective, innovative digital depot control system, designed, installed and tested/commissioned as part of our service.</p> <p>www.fenixrailsystems.com T: 03300 580180</p>	
FISA Fabbrica Italiana Sedili Autoferroviari Srl	Stand L5
Flotec	Stand D4
 <p>Flotec specialises in providing the Rail industry with innovative hose installations that improve the reliability of rolling stock across the UK.</p> <p>Our main methods are:</p> <ul style="list-style-type: none"> Coolant System Enhancement Hydrostatic Hose Optimisation Hose Management Programme for Track Maintenance Machinery <p>Our aim is not to offer a 'quick fix' but to provide long-term solutions and cost savings through quality engineering support.</p> <p>www.flotecindustrial.com/rail Rail@floteconline.com T: 01509 230 100</p>	
FliteTrak	Stand E1
Forbo Flooring Systems	Stand F7
GARRANDALE LTD	Stand K5
 <p>SPECIALIST FABRICATION, ASSEMBLY AND MACHINING</p> <ul style="list-style-type: none"> Cab Structures including GRP Fabrications and bracketry in Carbon steel, Stainless Steel and Aluminium CE Tanks Antennae Threshold Plates Jigs and tooling Handling Equipment Refurbishment Maintenance Special Purpose Machines <p>www.garrandale.co.uk T: +44 (0)800 949 9040</p>	
Gem Cable Solutions	Stand N6
Handheld Rugged Computers	Stand A4

Harmill Systems	Stand C4
 <p>Harmill manufactures maintenance equipment for rail depots.</p> <p>Lifting equipment, stillages and powered pit manipulators for removal and installation of train components.</p> <p>Rail trolley slewing tables and scissor lifts for under car equipment.</p> <p>Battery-powered, remote-control train and bogie shunter vehicles. Access platforms and pit boards. Train jacks.</p> <p>www.harmill.co.uk T: 01525 851133</p>	
Harmon Group	Stand H10
Harmonic	Stand G7
 <p>Harmonic is a project management and business winning consultancy working with the largest organisations across the rail industry.</p> <p>We provide project and operational leadership enabling the delivery of complex rolling stock upgrade and infrastructure programmes.</p> <p>Our risk & reward engagement approach incentives highly effective long term and trusting relationships.</p> <p>www.harmonic.co.uk T: 07856 659218</p>	
Harry Needle Railroad Company	Stand N4
 <p>Harry Needle Railroad Company (HNRC) is a leasing and maintenance of locomotives company based in Barrow Hill, Staveley, Derbyshire and has recently expanded with the acquisition of a 15-acre site in Worksop including the wagon repair depot from DB Cargo Ltd for light / heavy maintenance and the</p> <p>cold and warm storage of rolling stock. The company serves a wealth of customers and rail sites across the UK.</p> <p>T: 01909 509671</p>	
HARTING Ltd	Stand G8
 <p>Pushing Performance</p> <p>HARTING Ltd is experienced in the fields of electrical, electronic and optical connection, transmission and networking, as well as the manufacture of Edge computing devices and RFID readers.</p> <p>In addition, HARTING Customised Solutions, based at our Northampton facility, produces bespoke products such as jumper cables, hoods, housings and connectors.</p> <p>www.harting.com/UK/en-gb/ T: 01604 827500</p>	
Hepworth Rail	Stand H8
Holbro Engineering	Stand A3
HOPPECKE UK	Stand D8
 <p>Hoppecke is the leading specialist for industrial battery energy storage systems and your expert for rail power solutions.</p> <p>Hoppecke's vision is to enable electric power for everyone everywhere.</p> <p>The company, which was formed in 1927, supplies energy solutions for securing</p> <p>the on-board electrical systems of railway and metro systems, and for the electrical drive of traction engines.</p> <p>www.hoppecke.co.uk T: 01782 667305</p>	
HUBER+SUHNER	Stand J5

Hydram Engineering Limited		Stand L3
	Hydram Sheet Metalwork is a specialist company providing subcontract services in all aspects of precision sheet metal profiling, metal forming, precision sheet metal fabrication, powder coating and assembly work.	with over 300 employees and significant investment in latest production machinery in laser cutting, punching, bending, and tube processing.
	Located in a 115,000sq/ft factory in County Durham the company has grown steadily since it was established in 1977	www.hydram.co.uk T: 01388 720222
Littelfuse		Stands K10 and L10
	www.littelfuse.com T: 01249 455500	
Hydro Extrusion UK		Stand D9
HYTORC		Stand J8
I M I Kelly R & A		Stand K1
ICP Datatec		Stand L7
Infodev EDI		Stand J2
	Infodev EDI's award winning, highly accurate automatic passenger counting is a UK market leader - operational worldwide. The equipment provides superb raw counting accuracy and is backed up by a full suite of analytical reporting software, fully compliant with DFT requirements.	www.infodev.ca UK Representative, Kevin Lane: 07527 811700
iPort Rail		Stand C9
	iPort Rail is a state-of-the-art rail freight terminal based in Doncaster, which is designed to support international supply chains with new road, rail and air connections for freight transport both nationally and worldwide.	As part of the 337-acre iPort logistics hub, iPort Rail is able to accommodate the UK's longest trains up to six times a day.
		www.iportrail.com T: +44 (0)1302 590759
IXYS, A Littelfuse Technology		Stands K10 and L10
	www.littelfuse.com T: 01249 455500	
Jewers Doors		Stand P1

JMG Systems		Stand K2
Jobson James Rail		Stand F2
	We are the market leader for specialist insurance programmes for railway companies acting for 220+ clients from Glasgow to Kent in the UK, the Far East and Australia.	www.jobson-james-rail.co.uk T: 07816 283949
Johnson Security		Stand J9
Jones Nuttall Precision Engineering		Stand B9
	We have years of technical data and expertise, working to either WOSS, BR Cat. References and/or customer drawings. Our well-equipped facilities in the North-West allow us to provide customers a range of rolling stock engineering solutions;	from small component refurbishment through to Gangways and Resistor Bank overhauls. www.jonesnuttall.com T: 01925 628630
K M Tools		Stand N3
Kilfrost		Stand B8
KRG Engineering Services		Stand D1
Leoni		Stand C7
LHplc		Stand J1
LPA GROUP		Stand M3
Luso Electronics		Stand M5
Lutze		Stand D5
M Buttkereit		Stand B2
Marketing Derby		Stand A10
Mattei Rail & Transportation		Stand A8

Mechan Limited

Stand E5



Mechan's heavy lifting products can be found in the most advanced rail depots. The Sheffield manufacturer's equipment ranges from lifting jacks to underfloor handling and much more.

Mechan is part of France's CIM Group, adding its expertise to a portfolio of services that includes railway infrastructure supply and construction projects.
www.mechan.co.uk
T: 0114 2570563

Mott Macdonald

Stand H5



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Our understanding of rolling stock and integration enables our clients to reduce risk, time and costs whilst operating safely.

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Network Certification Body (NCB)

Stand L6



Network Certification Body (NCB) provides a system-wide approach to rail assurance and certification both in the UK and overseas.
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vehicle, plant and freight operators together with audit and safety assessment activities, consultancy and training for industry best practice.
www.net-cert.co.uk
T: 01908 784002

Norton Straw Consultants

Stand F6

Oilaway

Stand F10

Opinsta Ltd

Stand J10



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www.opinsta.com
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OnePLM

Stand L8

On Train

Stand G2



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T: 07527 811700

Plastic Coatings

Stand J6

Powelectrics

Stand F4

Provertha

Stand M7



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Prysmian Cables & Systems

Stand L2

PSL Assemblies

Stand D3

PSV Wipers Limited

Stand G5



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PTM Design

Stand D7

Qualitrain Ltd

Stand P2

R2P

Stand D2

Rail Alliance BCRRE

Stand B5



As the rail industry's largest dedicated B2B rail community organisation, the Rail Alliance is all about bringing customers, suppliers and supply chain opportunities together.

It provides members with impartial information and advice whilst signposting the wide range of assistance that is available.

www.railalliance.co.uk
T: 01789 720026

railbusinessdaily.com

Stand G9



railbusinessdaily.com is the UK's only rail industry business website voiced by the industry. Our platform lets you decide what you want to publish and when. We enable you to talk directly to the people you want to engage with about your work

as well as networking with thousands of other rail industry professionals.
www.railbusinessdaily.com
T: 0800 046 7320

Rail Forum Midlands

Stand B10

Rail Industry Association Stand E2

Rail Operations Group Stand M2

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Railway Children Stand A1

Railway Support Services Stand F8

Replin By Hainsworth Stand B1

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BY HAINSWORTH**

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clients to produce intelligent bespoke collections.

www.replinbyhainsworth.co.uk
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Responsive Engineering Stand B7

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Rowe Hankins Stand H10

RSG Engineering Stand M6

RSSB Stand C6

Sabre Rail Services Stand F5

Samurai Digital Security Stand E9



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T: 0114 400 0021

Schaltbau Machine Electrics Stand J4

Scott Cables Stand M4

SET Stand D6

Signature Aromas Stand A2

Snap-On Rail Solutions Stand F9

Solid State Supplies Stand K7

Staytite Ltd Stand C2



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Stewart Signs Stand C5

TBAT Innovation Stand K9



Telemecanique Sensors Stand H4

TFC Stand B4

The National College for High Speed Rail Stand M9

Time 24 Stand K8

Tratos Stand H7

Trent Instruments	Stand A9
Uniroyal Global	Stand A7
Universal Wolf	Stand K6
Vintage Trains	Stand G4
 <p>Vintage Trains Ltd and Tyseley Locomotive Works, in addition to offering exciting railtours behind iconic steam locomotives such as Clun Castle, also provides a wide variety of support services to the rail industry.</p> <p>Tyseley Locomotive Works is an award-winning centre of engineering excellence; Vintage Trains Ltd offer services including unit movements and testing, mileage accumulation and bespoke training packages.</p> <p>www.VintageTrains.co.uk T: 0121 708 4960</p>	
Vivarail	Stand H9
Voith Turbo	Stand K3
Warringtonfire	Stand E10
Washington Metalworks	Stand M10
Westermo	Stand G3
 <p>Westermo designs and manufactures data communications products for mission-critical systems in physically demanding environments. The products are used both in social infrastructure, such as transport, water and energy</p> <p>supplies, as well as in process industries, such as mining and petrochemical.</p> <p>www.westermo.co.uk T: 01489 580585</p>	
Wurth Industrie Service Gmbh & Co. KG	Stand J7



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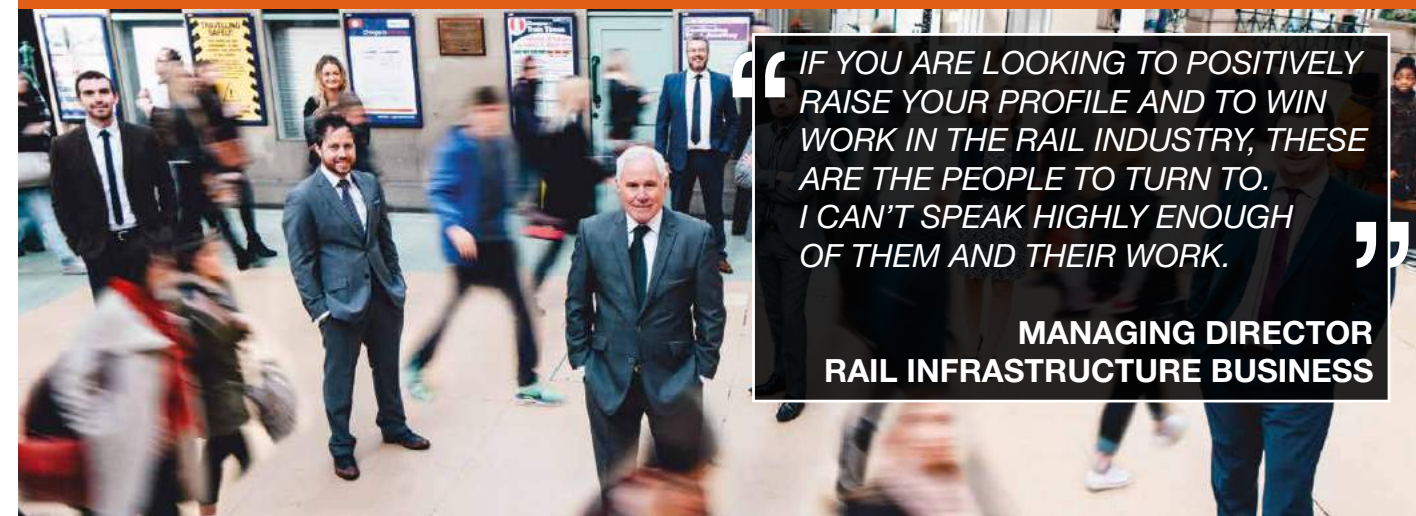
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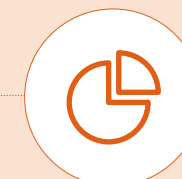
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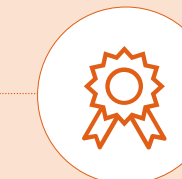
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The Tie-Fenlock system which was first installed in the UK at the Central Rivers Depot in 2000 and has since established a track record of outstanding reliability.

It is imperative that train movements into and out of a depot are as smooth as possible. This innovative control system assists the depot operator and optimises the operation of the depot.

The system is cost effective and has a record for reliability and low maintenance costs.

Even the most complex depots can be managed by a single operator due to its centralised control features.

We have developed a bespoke technical interface in several UK depots, and the system is currently operational in:

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and axle counters;

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Depot

10 points, signals
and axle counters;

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Port

10 points, signals
and axle counters;

Golders
Green
Depot

29 points, signals
and axle counters;

Morden
Depot

32 points, signals
and axle counters;

Banbury
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7 points, signals, axle
counters and interfaces

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