



Railway Industry Association

The voice of the UK rail supply community

Yearbook 2020



Membership benefits

Interest Groups
and Roundtables

RIA Events Calendar 2020

RIA Innovation Conference 2020

Export activities

Chief Executive Introduction

RIA Annual Dinner 2020

Campaigns for rail growth

Rail Fellowship Programme

Unlocking Innovation



Dear Colleague

Welcome to the Railway Industry Association's inaugural 2020 Yearbook, designed to showcase the diverse range of RIA members and give an overview of what RIA has in store for the coming year. We would like to take this opportunity to thank all the contributing members for helping to make this publication possible.

really has been a difficult period for industry decision-makers to plan for the future.

The possibility of a General Election or changes to Ministerial roles at the end of 2019 / start of 2020 means this uncertainty looks set to continue

2020 – priorities

In 2020, RIA will be working on a number of priorities, including:

- **Smoothing out 'boom and bust' rail investment** – ensuring consistency of upcoming activity in infrastructure, rolling stock, digitalisation and electrification
- **Supporting major projects** – whether Crossrail, HS2, Transpennine Route Upgrade, Northern Powerhouse Rail, London Deep Tube, Crossrail 2, Midlands Rail Hub, East-West Rail, and more, it is important that we seek to secure as much political and media support as possible

- **Seeking decarbonisation and digitalisation of the rail network** – through electrification and traction modes such as hydrogen, battery, bi-mode and tri-mode, and a signalling plan which avoids boom and bust too
- **Promoting innovation in the railway industry** – working closely with academia, business and clients like Network Rail to find better new and effective ways of doing things
- **Brexit** – whatever the settlement on this, seeking for the supply chain for trade to be as frictionless as possible, standards as harmonised as possible, access to a skilled workforce, but also taking advantage of the push towards higher rail exports and strong visibility for rail in any trade deals

There are a number of other areas we will be working on. To highlight a few: delivering on a 'Rail Supply Group / DfT / BEIS' Sector Deal; working to develop a more diverse workforce, via a 'Routes into Rail' campaign which seeks to get youngsters and their parents to see the

railway industry as a positive career choice; and continuing to see if there are ways to increase private financing in the rail network.

Promoting the positives of rail

However, we will continue in 2020 to promote the positive aspects of the rail industry. The fact it delivers over £36 billion in economic benefits, supports some 600,000 jobs and £11 billion in tax revenue, and that for every pound spent on the railways, £2.20 of income is generated in the wider economy, showing rail is not just important in its own right but is also crucial for UK plc more widely.

As we look to the future, despite the uncertainty there are reasons for the railway industry and its suppliers to be optimistic. Passenger numbers and freight have grown massively in the last 20 years, and long-term are set to continue. The Government and Opposition parties seem committed to strong rail infrastructure investment, as evidenced by the £48bn in CP6. And even with political and Brexit uncertainty, our members tell us that if

only we can make inroads on some of those priority issues above, they are ready to invest more in people, skills, plant and equipment, to help build the customer-focused, world-class, railway of the future we all want to see, both at home and abroad.

Get involved

So RIA will do everything it can to try to deliver for you, our valued members. For your part, please do come along and participate in our various forums, meetings, events and initiatives, so we can not only build a better railway, but also build an even better RIA in the New Year too.

Kind regards,

Darren Caplan
Chief Executive, Railway Industry Association

How RIA can work for you

RIA's first priority will always be ensuring we are representing and supporting you, the membership. Our key functions are ready to work with you to build a bigger and better rail supply community: – Public Affairs & Policy, Events & Information, Technical & Innovation, Exports, Operations (Membership, Events, Marketing and Business Administration).

In this Yearbook, you'll find a wide range of ways to get involved, including attending our more than 70 networking events a year, receiving regular market intelligence from our three mail outs each week, getting involved in our lobbying efforts through initiatives like the Rail Fellowship Programme, joining us on a trade mission, joining a regional event or attending an interest group session, to name but a few.

We look forward to seeing you over 2020 and to working with you to deliver an even better rail industry!



RIA Team



David Tonkin
Chair
RIA@riagb.org.uk



Darren Caplan
Chief Executive
RIA@riagb.org.uk



David Clark
Technical Director
David.Clarke@riagb.org.uk



Peter Loosley
Policy Director
Peter.Loosley@riagb.org.uk



Gaynor Pates
Operations Director
Gaynor.Pates@riagb.org.uk



Neil Walker
Exports Director
Neil.Walker@riagb.org.uk



Katherine Anchorena
Senior Marketing and Events Manager
Katherine.Anchorena@riagb.org.uk



Terry Eastmond
Finance Manager
Terry.Eastmond@riagb.org.uk



Ann-Marie Esiaka
Business Administration Manager
AnnMarie.Esiaka@riagb.org.uk



Richard Jones
Senior Technical Manager
Richard.Jones@riagb.org.uk



Milda Manomaityte
Technical and Policy Manager
milda.manomaityte@riagb.org.uk



Max Sugarman
Senior Public Affairs & PR Manager
Max.Sugarman@riagb.org.uk



Damian Testa
Senior Policy Manager
Damian.Testa@riagb.org.uk



Isabella Lawson
Operations Executive
isabella.lawson@riagb.org.uk



Amalia Murray
Operations and Exports Executive
Amalia.Murray@riagb.org.uk

What does RIA do for its Members?

RIA helps to grow a sustainable, high-performing, railway supply industry, and to export UK rail expertise and products. We promote and represent our members' interests to policy makers, clients and other stakeholders in the UK and overseas.



Public Affairs and Policy - member benefits

- Preferential rates for RIA's award-winning Annual Conference
- RIA-organised politician visits to Member sites, through our Rail Fellowship Programme
- Weekly Political and Brexit briefings, updates on commercial news, and industry events
- Exclusive invites to a range of Regional and National Policy Roundtables, plus RIA's annual Parliamentary Reception

We represent the rail sector to decision makers and influencers, highlighting issues of importance to our members.

We campaign for sectoral growth and showcase the value of the UK rail industry.

We explain industry views to assist policy makers and legislators, providing statistics and facts, to improving the industry's chances of success.

Technical & Innovation - member benefits

- Exclusive access to online communities for a wide range of Interest Groups
- Weekly TechTalk email, covering technical and research related news, events and developments
- Exclusive invites to 30+ technical events and workshops a year, plus Unlocking Innovation conferences
- Preferential rates to network and exhibit at our award-winning 2-day Innovation Conference

We drive innovation in rail, through our Unlocking Innovation programme and our award-winning 2-day Innovation Conference.

We support industry collaboration with academia; RIA is a founding partner of the UK Rail Research and Innovation Network (UKRRIN), a £92 million partnership.

We contribute to development of industry standards and initiatives, working closely with clients on technical strategic programmes such as Digital Railway and Decarbonisation.

Exporting – member benefits

- Listing in RIA's online Member Directory, which is shared at global events where RIA has a presence
- Weekly Exports email, summarising global opportunities, upcoming trade missions, exhibitions and briefings
- Access to our member-only Exports online community

We help UK rail companies export across the world, as the only fully accredited Department for International Trade (DIT) Trade Challenge Partner in rail.

We organise UK export missions in a variety of countries, including at the biennial InnoTrans trade show in Germany – the largest in the world for rail.

We promote RIA members while assisting those companies that take part through DIT

Interest Groups

Much of RIA's activity is focused through a series of **Technical and Special Interest Groups**, covering key issues for members and invited stakeholders. Each group typically meets three times a year to discuss recent technical and policy developments, updates on standards, potential new work opportunities, best practices, lessons learnt and updates from major clients. We invite speakers from customer and other organisations. There are **12 groups** covering various topics.

Technical Interest Groups

Electrification Technical Interest Group covers all technical issues on electrification and electrical engineering, including standards.

Information Management (IMG) Covers the use and development of Information Management for rail, including data, BIM and cyber security.

Infrastructure Technical Interest Group covers developments in the UK and European best practice, standards, research and other matters of technical interest for Civils and Track Infrastructure.

Safety, Standards & Sustainability Group covers key developments and best practice in standards, safety and sustainability in rail.

Signalling & Telecoms Technical Interest Group covers all technical issues on signalling and telecoms, including standards.

Traction & Rolling Stock Group covers updates and developments on rolling stock design and maintenance, R&D and innovation, national standards and policy.

Vehicle-Track Interface Group covers mitigation for Rolling Contact Fatigue and other track and wheel damage; adhesion and lubrication; 'system friendly' vehicle modifications and Vehicle Track Access charging Related research.

Special Interest Groups

Consultants Group offers regular access to senior industry procurement representatives.

Infrastructure Clients Interface Group invites suppliers to build relationships with Network Rail, Transport for London and other major infrastructure clients. Includes a sub-group on Economic Affairs.

Renewals Group looks at cost drivers for renewals.

SME Group explores key topics, including commercial projects, Brexit & exports, skills and industry structure.

Trains Clients Interface Group, with senior-level representation from the train builders, ROSCOs and major subsystem suppliers, includes updates from major clients and debate on key issues, such as future new train builds, rolling stock cascades, forward maintenance programmes and the DfT's rolling stock plans.



Roundtables

RIA hosts regular regional roundtables with industry executives giving the opportunity for RIA members to discuss key issues. Past guests at the roundtables included Chief Executive of Network Rail Andrew Haines, Department for Transport Permanent Secretary Bernadette Kelly, Chief Executive of Crossrail Ltd Mark Wild, the independent Chair of the Williams Railway Review Keith Williams, the Scottish Cabinet Secretary for Transport, Infrastructure and Connectivity Michael Matheson, Lilian Greenwood MP, Wales Office Minister Nigel Adams MP and Transport for Wales Chief Executive James Price.



In 2019 we have hosted **34** Technical Interest Group meetings attended by over **900** RIA members and guests.



In 2019 we have hosted **11** Special Interest Group meetings attended by some **450** RIA members and guests.



In 2019 RIA hosted **four** roundtables attended by some **230** RIA members and guests.

CableGuardian is the *only* product to offer proactive monitoring, detection and location of both insulator and conductor faults on live signalling power systems as specified in Network Rail specification NR/L2/SIGELP/27725.



JOIN THE REVOLUTION

to prevent signal failures

This unique product provides continuous monitoring of live signalling power supply systems at a cable section level without the need to power down the system, reducing the need for manual trackside fault-finding, reducing maintenance costs and 'boots on ballast'.

CableGuardian is the technological alternative to the 5 yearly manual cable testing requirement NR/L2/SIGELP/50000. Empowering the rail industry to move from the uncertainty of periodic testing, to a real-time condition based approach.

Key Benefits:

- Fewer boots on ballast fault finding and cable testing
- Quickly and accurately locate cable faults and cable theft
- User friendly web portal for fault diagnosis and location
- Allows trending of insulation resistance and insulation capacitance at a cable section level.

CableGuardian helping passengers to arrive on time.

For more information or to book a demo, visit

<https://cableguardian.viperinnovations.com>

or speak to one of our experts on:

01275 78 78 78 or
enquiries@viperinnovations.com



CABLE GUARDIAN
A VIPER INNOVATION



THE QUEEN'S AWARDS
FOR ENTERPRISE:
INNOVATION
2016

Challenge Programmes

RIA actively champions the big issues for rail suppliers through the RIA Challenge Programme. The challenges share the common characteristic that, if properly addressed, they have the potential to improve the efficiency and whole life cost of delivering railway projects to the benefit of all parties.

Renewals Cost Challenge

In 2017 RIA members started to notice a downturn in renewals volumes. It became apparent that this was a Network Rail funding issue and was resulting in experienced staff being made redundant. Recognising this example of 'boom and bust' was counterproductive for everybody RIA worked with NR and the DfT to allow £200m of funding to be made available to reduce the impact. This work has led to further discussions about 'smoothing' the work profile in the transitions between funding periods.

Electrification Cost Challenge

RIA believes electrification is the optimal form of traction for an intensively used railway and reflecting this, a substantial programme of electrification was launched in 2009. Unfortunately, some of the projects had major cost and schedule overruns which led to the government stopping most electrification projects in 2017. As a result, RIA launched a new cross-sector initiative – the Electrification Cost Challenge – to establish the lessons which should be learnt and demonstrate that electrification can and is being delivered cost effectively. The report published in March 2019 has been influential in getting electrification 'back on the agenda' and already we see the Scottish Government announcing a rolling programme of electrification.

Decarbonisation Challenge

This cross-industry workstream commenced in early 2018 following the Rail Minister announcing an ambition to "take all diesel only trains off the track by 2040". RIA was a member of the industry taskforce which confirmed that it was feasible to meet this challenge and to achieve net zero carbon with a combination of additional electrification and the introduction of zero carbon battery or hydrogen fuel-cell self-powered rolling stock. RIA members have been actively developing and demonstrating these latter technologies to the point that train customers should be confident to place fleet orders. What is needed now is the clarity about which routes will be electrified and which will be self powered and RIA is supporting the cross-industry Traction Decarbonisation Network Study which will draw this map.

Standards Challenge

Standards are often criticised as being complex and driving up cost. Recognising this issue, Network Rail worked with RIA Members to develop a new process to allow third parties including suppliers, to challenge Network Rail's standards. This new process has resulted in over 70 challenges which are being actively managed through the process. One of the challenges resulted in a significant reduction in future electrification costs and another allowed a RIA Member to get a composite platform into service,

resulting in a doubling of orders. Subsequently RIA has helped TfL to implement a similar process.

Signalling Cost Challenge

The Rail Sector Deal includes an objective to reduce the cost of digital signalling to European benchmark levels if the government provides a clear long-term implementation plan against which suppliers can plan. RIA members have helped develop the 'Long Term Delivery Plan' (LTDP) which has now been published and so RIA is supporting the work to establish the actions needed to both build up industry delivery capability and to reduce unit costs.

Major Projects Challenge

RIA is now working on a best practice report for achieving Excellence in Major Projects.





Rail Fellowship Programme


The Rail Fellowship Programme seeks to showcase the best of the UK rail supply community.

This initiative, which launched in 2018, pairs politicians with RIA members to promote the work of the organisations that build, maintain and enhance the UK's railways.

The Programme helps to educate politicians on the sector's crucial importance to the UK by placing them at state-of-the-art sites where highly skilled rail professionals showcase the fascinating work they do. It focuses on three key areas – innovation, exports and skills.

Participating Fellows spend a day 'on location' with a RIA Member whose work is relevant to their role or constituency. Participants become part of an annual RIA Railway Fellowship Class and are recognised at our yearly Parliamentary Reception in November – where MPs are reunited with the organisations they visited. At the Reception, each MP is given a trophy, marking their participation and as a reminder of the importance of rail supply.





VolkerRail

STANDING OUT FROM THE CROWD

VolkerRail is one of the UK's leading multi-disciplinary railway infrastructure contractors.

Whether heavy or light rail, we are experts in p-way, power, signalling, electrification, welding, piling and design. Our capabilities are enhanced by our fleet of rail mounted cranes, tampers and road rail vehicles.

Our approach is firmly founded on working in harmony and partnership with our clients and stakeholders.

We are proud of our heritage, our record of dependable delivery and our relentless focus on safety. We aim to stand out from the crowd in everything we do by exceeding expectations.

T | +44 (0) 1302 791 100 E | marketing@volkerrail.co.uk W | www.volkerrail.co.uk

Testimonies from the Rail Fellowship Programme



"Visiting the National Training Academy for Rail and Siemens' Traincare Facility, as part of RIA's Rail Fellowship Programme, today was a great opportunity. I was able to see up close how the rail industry is helping to generate highly valuable skills for young people and why this site is so vital a resource in building up the UK's skills capabilities as we prepare to leave the European Union. Thank you to the whole team for a fascinating day."

like to see the Government look at new ways to support these businesses that are based in Britain."
Home Secretary Priti Patel MP



"It was exciting to see all the great work that is being done in the rail industry and to meet the people on the ground who are making it happen."

From manufacturing trains, to software and digital innovation, the rail sector has been at the heart of the Midlands' economy for over a century, and I was happy to see first-hand the transformative impact investment in rail is continuing to have on the region, and the whole of the UK."

Rail Minister Chris Heaton-Harris MP



"My visit to the Bombardier site in Ilford as part of the RIA Railway Fellowship Programme provided brilliant insight into the rail supply chain and how the rail industry is an important part of our economy. As with all highly skilled industries I was pleased to see how Bombardier are investing in skills, apprentices and innovative practices to support high quality rail services. The long term success of the UK's economy and productivity is dependent upon a thriving supply chain to deliver critical investment in the rail network. I would

like to see the Government look at new ways to support these businesses that are based in Britain."

"Visiting Balfour Beatty's new Rail Innovation Centre gave me a great insight into the crucial work being done to bring the Digital Railway to Britain and secure all the benefits that come with it. I was also pleased to tour Derby Station and see for myself the investment being delivered to provide better journeys for the four million customers who use the station every year."

Transport Select Committee Chair Lilian Greenwood MP

Get involved

RIA is looking for sites for our 2020 RIA Rail Fellowship Programme.


If you are a RIA member and would like to host a Rail Fellowship Programme visit, please contact Max Sugarman at max.sugarman@riagb.org.uk



RIA 2020 Events

This calendar highlights regular RIA and partner events*, including conferences, Special and Technical Interest Groups, Unlocking Innovation Events, Export missions, and partner events where RIA has significant presence. Find out more at www.riagb.org.uk/events

**Please note that our many "one-off" events, such as Policy Roundtables are not listed.*

21 January Safety, Standards & Sustainability Technical Group	28 January Infrastructure Technical Group	30 January Consultants Group	6 February Rail Infrastructure Networking	13 February RIA Annual Dinner	18 February SME Group	20 February Unlocking Innovation Conference	21 February Vehicle/Track Interaction Technical Group	25 February Electrification Technical Group	25-26 February Middle East Rail
4 March Traction & Rolling Stock Technical Group	12 March Renewals Group	18 March Information Management Technical Group	25 March Infrastructure Clients Interface Group	2 April Unlocking Innovation Conference	23 April Trains Clients Interface Group	28 April Signalling & Telecoms Technical Group	30 April Rail Infrastructure Networking	12-14 May InfraRail	20 May Consultants Group
21 May Electrification Technical Group	28 May Safety, Standards & Sustainability Technical Group	2-3 June RIA Innovation Conference	11 June Infrastructure Technical Group	16 June SME Group	18 June Vehicle/Track Interface Technical Group	23 June Traction & Rolling Stock Technical Group	25 June Infrastructure Clients Interface Group	24-26 June Rail Solutions Asia	1 July Unlocking Innovation Conference
9 July Trailblazers Reception	14 July Trains Clients Interface Group	16 July Information Management Technical Group	2 September Electrification Technical Group	3 September Rail Infrastructure Networking					
10 September Signalling & Telecoms Technical Group	15 September Renewals Group	22-25 September Innotrans	1 October Infrastructure Technical Group	8 October SME Group					
12-13 November RIA Annual Conference			17 November Information Management Technical Group	24 November Traction & Rolling Stock Technical Group	26 November Vehicle/Track Interface Technical Group	November RIA Parliamentary Reception	2 December Signalling & Telecoms Technical Group	16 December Unwrapping Innovation	



Campaigns

RIA campaigns on a number of key issues, on behalf of the rail supply community.

Our key campaigns include:

Demonstrating the value of UK rail

In February 2018, RIA published The Economic Contribution of UK Rail in response to concerns that the size and economic impact of the rail industry was being under-reported.

This ground-breaking report, developed by independent researchers Oxford Economics, found that UK rail:

- Contributes over £36bn annually to the UK economy (a greater economic impact than the food, drink and tobacco manufacturing and the chemical and pharmaceutical industries)

- Provides around 600,000 jobs (employing more people than the entire workforce of Birmingham)
- Generates £11bn annually in tax revenue
- Generates £2.20 of income from every £1 spent on the rail network

Ending 'Boom and Bust' Rail Funding

'Boom and bust' funding in the rail industry is having a significant detrimental effect on the supply chain, leading to redundancies and recruitment freezes, reductions in investment, threatening the ability of SMEs to survive and adding up to 30% to rail industry costs. This is across both the infrastructure and rolling

stock sectors.

RIA believes a long term strategy is needed that delivers consistent workloads for the industry, building up a sustainable supply sector that can deliver effectively, to time and budget.

Cost Effective Electrification

Electrification remains the optimal form of traction for an intensively used railway, as it has a number of benefits, including costing less in the long term, reducing journey times, producing less wear on the track and being more environmentally friendly.

In 2017, the Government halted a

**SAFE
RELIABLE
SUCCESSFUL**

FOR ROAD RAIL AT ITS BEST CALL:
+44(0)1246241312
email: info@srsrailuk.co.uk
or visit our website www.srsrailuk.com



RIA Annual Dinner

145th

RIA Anniversary

13th February 2020

The Landmark Hotel London

◆ Celebrate 145 years of RIA with us at our gala dinner ◆

◆ Network with industry leaders and enjoy an evening of entertainment ◆

◆ Colleagues, associates and partners are all welcome! ◆

◆ Book a table now and benefit from a discount ◆

Register here:

www.riagb.org.uk/AD2020

number of electrification schemes due to cost overruns. RIA's Electrification Cost Challenge report, published in March 2019, shows how the cost of electrification can be reduced by up to 50% in comparison with some past projects.

RIA is urging the Government to develop a ten-year rolling programme of electrification for the core network, whilst developing new technologies like hydrogen, battery and hybrids for regional lines.

Supporting Major Projects

The UK rail network needs major projects to deliver additional capacity. We continue to support HS2 and Crossrail, but we also seek to ensure support is maintained for Northern Powerhouse Rail, East West Rail, Trans Pennine Route Upgrade, Midlands Rail Hub and Crossrail 2 – all of which will provide significant economic boosts across the UK as well as improving connectivity and capacity.

Preparing for Brexit

Brexit poses a number of challenges and opportunities for the rail industry.

Challenges include the need for certainty on whether rail standards will be harmonised, diverged, or a mixture of the two, ensuring there is continued access to certain a skilled workforce and avoiding any overly bureaucratic tariff or non-tariff barriers, which could cause border delays for exporting suppliers.

The main opportunity is the role of rail in trade deals. Given the size and strategic significance of rail to UK plc, it is important the rail sector is included in – and takes advantage of – trade deals when the Department for International Trade negotiates with non-EU and EU countries.

RIA is working to ensure the challenges are mitigated whilst the opportunities are seized.

Rail Enhancements

In 2019, RIA secured a campaign win with the publication of the Rail Network Enhancements Pipeline. The publication provides some visibility of upcoming projects and was the result of significant campaigning by RIA, including:

- We met with parliamentarians across the parties
- We produced a SURE poster,

including a hard-hitting logo, which we took to the party conferences

- We ramped up the PR, and secured an interview on BBC Radio 4's Today programme to talk specifically about the enhancements issue
- We conducted a progress review to report on how far the Government had implemented the Transport Select Committee's recommendations, since first agreed 12 month's previous, in September 2018
- We launched an Enhancements Clock, showing the amount of time since the Government committed to publishing the RNEP list of projects without yet doing so – this stood at one year and 26 days when the new Ministerial team at the DfT made its announcement and at last released the list on 26 October, just ahead of Transport Secretary Grant Shapps' first appearance before the Transport Select Committee

In 2020, we will continue to monitor these developments on behalf of its members in the months ahead.





THE MOST INNOVATIVE AND TECHNICALLY ADVANCED MEWPS AVAILABLE TODAY

New product development relies upon practical, technical and sales experience, and this is ably illustrated in the evolution of Rail Product's range of Mobile Elevated Work Platforms (MEWPs).

The team at Rail Products has drawn on decades of front-line working experience in the rail industry to help develop the company into one of the UK's leading manufacturers of MEWPs.



ART 17THM showing unique multi-gauge system

This has earned it industry plaudits for its foresight and for its development of rail road products that continue to redefine the parameters of a machine's current capabilities.

In conjunction with Manitou, which provides a worldwide backup service, Rail Products continues to design and engineer innovative and technically advanced road/rail MEWPs such as the ART 17TH and 17THM Multi Gauge, both available with Pantograph. The unique multi-gauge system of the 17THM allows the machine to work on and across all major rail lines around the world.

Highly reliable and technically superior to the competition, demand for these specialist vehicles has been unprecedented throughout the UK as well as internationally. The MEWPs are now approved for use in many countries including Australia,



Austria, Belgium, DB (Germany), Denmark, Netherlands, New Zealand, Norway, Poland, Romania, Switzerland and the UK.

Furthermore, a new framework agreement recently signed with Manitou Group will now extend and reinforce the highly successful partnership between the two companies, as well as accelerate Rail Product's expansion into new global markets through the development of new concepts together.

For more details on our range of products call
0044 20 7101 0727 or 0044 1555 773 027

www.railproducts.uk.com

Exports

Rail is not only a crucial mode of transport, but also a major exporter for the UK.

UK rail suppliers and RIA Members work with partners and clients in the UK and around the world to plan, design, build and operate advanced and sustainable railways. The UK offers first rate expertise, innovation and value at every level in all areas of rail discipline from professional services to manufactured products.

RIA's aims are to assist our Members and the wider industry to help them export their products and services and - by working with DIT - to increase the exporting potential of the sector.

RIA organises numerous export events on our own, as well as under our long-established Trade Challenge Partnership (TCP) rail delivery partner status with Department for International Trade (DIT). Events include:

- Seminars
- Meet the Buyers/1-2-1 meetings
- Road shows in the UK
- Briefing and Educational Rail Tours
- Inward Missions
- Outward Missions
- UK Pavilions at overseas trade fairs

Trade Challenge Partner

RIA is the only organisation in the sector fully accredited by DIT as a Trade Challenge Partner, this allows us to deliver events,

research activity and to administer DIT's Trade Access Programme (TAP) grants for SME's exhibiting at selected Trade Fairs.

The TAP grants that RIA administers for DIT allows UK SME's to apply for financial support grants to exhibit at core overseas rail exhibitions. The funding is available to both members and non-members and helps UK business get the most from overseas trade shows.

Highlights from 2019

- Submitted evidence to Parliament's International Trade Select Committee, asking for greater export support in promoting rail products overseas, greater rail content, more grant funding for SMEs
- RIA attended Middle East Rail with 30 companies on the UK Pavilion and a reception organised by RIA & HM Consul-General hosted, with 160+ attendees.
- RIA organised a Rail Mission to Australia and New Zealand with 12 companies
- RIA organised a mission to Rail Baltica's Global Forum where Exports Director Neil Walker



took part in a panel discussion with 5 other European Trade Associations promoting cooperation and UK expertise

- At Railtex at the NEC Birmingham, RIA organised a 'Meet the Commercial Office' over two days with 133 meetings booked by 54 companies for 14 DIT officers
- In September, RIA attended Trako with 26 UK exhibitors with separate visits and tours from the UK Rail Minister Chris Heaton-Harris MP, the Polish Secretary of State for Infrastructure Andrzej Bittel, HM Trade Commissioner to Europe Andrew Mitchell and HM Ambassador to Poland Jonathan Knott
- In October, RIA organised a trade mission to India and in December, RIA is organising a UK Pavilion at AusRail Plus

Unlocking Innovation M.A.D.E. for Rail

How new materials, automation, data and sustainable energy sources are improving UK's railways

According to the Organisation for Economic Co-operation and Development, innovation is both a process and an outcome and the Railway Industry Association (RIA) has been working with its members to understand how to improve the innovation process through a series of Unlocking Innovation events. RIA is a founder member of the UK Rail Research & Innovation Network (UKRRIN), which was formed in 2017 to bring together the leading Universities in Rail with industrial collaborators, along with funding from the Higher Education Funding Council for England (HEFCE), to create a step-change in innovation.

RIA has looked at the needs of the industry for practical implementation of innovation, and following the work on technologies which deliver this, we have arrived at four key themes – Materials, Automation, Data and Energy, or M.A.D.E., to give our members and the rail industry an opportunity to have a first hand experience with these technologies and its potential implementation in rail. Each Unlocking Innovation event is hosted in an iconic location, highlighting the work that is being done on each theme.



Materials

Unlocking Innovation – Composites in Rail event was hosted by the National Composites Centre in Bristol on 27 Sept 2018. 96 attendees from 78 organisations joined the event to discuss the innovative use of composite materials for railway infrastructure and rolling stock.

The construction of new structures, tunnels, platforms, track and ballast, as well as the manufacturing of rolling stock, mean that the rail industry is a significant user of materials and resources. It is increasingly important that the industry considers how it uses these materials to ensure it is delivering both environmentally and cost-effectively.

Composites are one example of the potential use of new materials, offering lighter, stronger and more durable solutions compared to traditional materials. Fibre-reinforced polymer (FRPs) composites are already being used in track and station infrastructure, as well as rolling stock manufacturing, interior furniture and platform systems.

Automation

Unlocking Innovation – Automation in Rail event took place in Sheffield on 30 May 2019 at the AMRC Factory 2050. 111 Attendees from 72 organisations joined the event to discuss how automation can benefit the rail industry and what exciting new opportunities will come out of it.

Maintaining and monitoring the UK's vast network of railway infrastructure requires a lot of manual work, which, can often be in a dangerous environment and can mean reduced or no service on railway lines, with the potential costs and disruption this brings.

Instead, rail businesses are increasingly exploring automated systems that can allow for



monitoring key assets with minimal disruption to passengers and freight services. Using innovative robotic platforms, augmented and virtual reality, machine learning, the 'Internet of Things', data gathering and analytics tools mean the industry can now automate many of these tasks, leading to improved safety for passengers and employees, and improved services on our railways.

Data

Unlocking Innovation – Data in Rail event took place on 08 January 2019 at Birmingham University. 176 attendees from 120 organisations joined the event to discuss opportunities created by rail digitalisation to utilise data.

The UK rail network generates an immense amount of data every day. New digital tools that collect, understand and present this data opens up an array of possibilities to improve our railways, helping everyone from those who build and

the same goal.

There is no single solution for decarbonising our rail network. It will require the electrification of intensively used rail lines, with a rolling programme to extend the frontier of electrified railways. For less used, commuter and rural lines, new technologies like battery and hydrogen can help replace diesel passenger trains. Developing these technologies further will be vital, with consideration of how they can be applied to freight and passenger rolling stock. Ensuring our stations and depots are optimised to reduce energy usage will also be essential.

After further development work with Network Rail, which confirms these as the key technologies for their own R&D programme, we have decided to look at M.A.D.E. from another angle and to see how each technology maps to the sectors of our industry. Therefore, we are currently planning the 2020 programme along the lines of our upcoming pilot event – M.A.D.E. for Rolling Stock, which will focus the industry on the UKRRIN Centre of Excellence at Huddersfield University on 10 December 2019. The series will also cover M.A.D.E. for Infrastructure and M.A.D.E. for Signalling.

maintain our rail network and those who operate it to those who use it.

Data includes everything from passenger-facing interfaces to rolling stock and station design, scheduling, disruption management, and track maintenance benefits from intelligent use of data. Ensuring we keep data secure, however, is of vital importance.

Energy

Unlocking Innovation – Energy in Rail event took place on 26 March 2019 in Coventry at RIA member Schneider Electric. 74 attendees from 54 organisations joined the event to discuss practical solutions for efficient energy use in rail.

In 2017, the Government set out a challenge to the rail industry to decarbonise the network by 2040. Since then, the Rail Industry Decarbonisation Taskforce has set out how we can achieve this goal, made all the more pertinent by the UK's commitment to achieve net zero carbon emissions by 2050, with Scotland targeting 2035 to achieve



In 2020 we also want to look at processes, which will play into our current work on Major Projects, so there will be a M.A.D.E. for Major Projects event.





RIA Innovation Conference

- // Number one event for innovators in the UK railway industry
- // 2-days Conference with interactive sessions, keynote addresses and 30+ speakers
- // Network with key stakeholders in one place
- // TAF'S Best Conference Award 2018

2-3 June 2020, Nottingham

Save the date!

Begin Your Journey With Pandrol

Modular AWS Magnets

- Designed to fit all common track construction, the AWS Magnets fit into the national signalling system
- Quick and simple installation in conjunction with our Rapid Fit Frame system and 'plug & play' connection
- Reduced possession time and manpower requirements thanks to the ease of installation
- A flexible range of suppressor, electro and permanent magnets designed to fit into the national signalling system. Can be installed on any sleeper spacing.
- The need to dig ballast or slab track is eliminated
- Minimal maintenance required thanks to fully sealed units.
- Portable product using Pandrol four person lifting frame
- Fully compliant with the latest requirement specification
- Significant power savings

Vortok APC Magnets

- Single Super Strength White APC Magnet
- Lightweight assembly (No lifting equipment needed)
- Compact stainless steel construction means:
- Attaches to one sleeper only, irrespective of fastener type
- No disturbance of ballast
- Quick installation or de-mounting (2-3 minutes)

Temporary AWS Magnet

- One man operation
- Only 20kg in weight
- No tools required
- Suitable for all types of rail including 3rd rail areas
- No ballast removal required
- Standard strength (yellow) & Extra strength (green)



Vortok APC Magnet



Temporary AWS Magnet



Rapid Fit Frame

Vortok House, 3 Western Wood Way, Plymouth, PL7 5BG

Tel: +44 (0)1752 349200

sales.vortok@pandrol.com

www.pandrol.com





RIA Membership

- // Access exclusive and unique networking opportunities
- // Acquire valuable industry insight
- // Participate in sought-after and informative events
- // Engage with key industry stakeholders
- // Get represented in the UK and abroad



InnoTrans 2020

InnoTrans, the largest rail trade fair in the world, returns in 2020

InnoTrans, the world's biggest rail trade fair returns to Berlin from 22 to 25 September 2020.

Two years ago, when the Show was last held, there was a strong presence from the UK, with RIA Members and UK companies out in force with over 120 registered UK companies plus a number of UK based multi-nationals exhibiting at the show.

The RIA Team attended to support our three RIA UK GREAT branded Pavilions, showing the then-Transport Secretary Chris Grayling around

during his RIA arranged tour of the UK Pavilions and various UK companies exhibiting independently in the many halls.

RIA also arranged with DIT and sponsors, (UKRRIN, Ramboll, SNC Lavalin/Atkins and Furrer + Frey) - a major networking reception for members and UK Companies. Attendance on the night was around 280 delegates, with rail representatives from 16 International countries attending. Grayling spoke alongside Her Majesty's Ambassador

to Germany Sir Sebastian Wood and RIA's Chief Executive Darren Caplan.

RIA will be back for InnoTrans 2020 – contact Exports Director Neil Walker at neil.walker@riagb.org.uk to find out more.



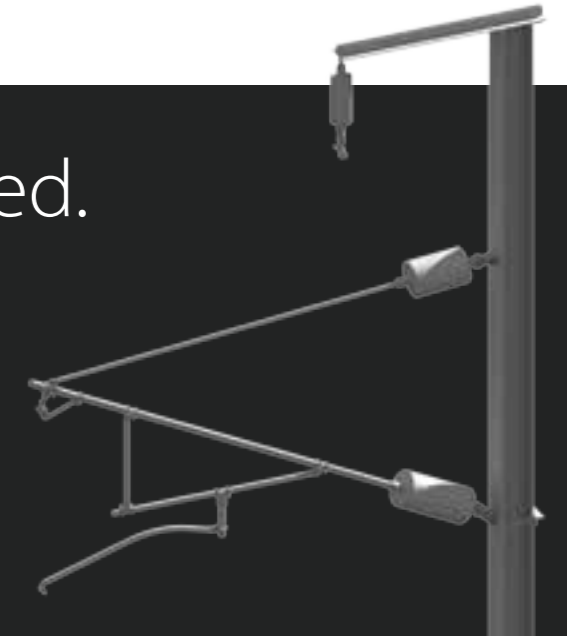
Linear Draft™
Design Ecosystem

Linear Draft™
OCS Designer

Zebraware™, Chadwick House, WA3 6AE
Phone: +44 (0)1925 500 150
Email: lineardraft@zebraware.co.uk

The paradigm has shifted. BIM is here.

Linear infrastructure design has forever changed. Linear Draft is an unrivalled platform delivering full-lifecycle 3D OCS design, enabling true automation, unparalleled efficiency, robust assurance and truly useful embedded BIM and asset data



WWW.LINEARDRAFT.COM

Parametric design
revolution for OCS/OLE.



Parametric Components

Real-time, live updates with objects that ease complexity, alleviate error and eliminate iteration



Automated Design

Make complex & cascading changes in minutes whilst maintaining data integrity across 2D & 3D outputs



Powerful Reporting

Data becomes information at the click of a button. Comprehensive rich outputs using industry standards



Any Design Range

A flexible and powerful parametric engine allows any design range to be used. Even use multiple at once



Design Outputs

BoQs/BoMs, schematics, elevations and more. Deliverables that are always compliant and always consistent



Multi-CAD Compatible

Open format & cross-platform. Work in Microstation® or AutoCAD®. Keep teams working collaboratively and together



ZEBRAWARE™



3D Visual Simulations
www.3dvsl.com
+44 (0)7730 417111
brendan.morris@3dvsl.com



AB Connectors Ltd
+44 (0) 144 374 3422
www.ttelectronics.com
leigh.chapman@ttelectronics.com



AEGIS Engineering Systems Ltd
www.aegisengineering.co.uk
+44 (0) 1332 384302
info@aegis-rail.com



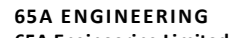
3Squared Ltd
www.3Squared.com
+44(0) 333 121 3333
james.fox@3squared.com



ABGI - UK t/a Jumpstart
www.jumpstartuk.co.uk
+44 (0)131 240 2900
antony.beak@jumpstartuk.co.uk



Alfatronix
www.alfatronix.com
+44 (0)1202 715517
msavage@alfatronix.com



65A Engineering Limited
www.65a.co.uk
+44 (0)7745817485
Info@65a.co.uk



ADComms, a Panasonic Company
www.adcomms.ltd
+44 (0)1724 292230
info@adcomms.eu.panasonic.com



ALSTOM
www.alstom.com/uk
+44 (0) 207 438 9230
mike.muldoon@alstomgroup.com



ABB Power Grids UK Ltd
www.abb.com/railways
+44 (0)1785 825 050
jay.mehta@gb.abb.com



AECOM
www.aecom.com
+44 (0) 7771 827271
russell.jackson@aecom.com



Altran
www.altran.com/uk
+44 (0)1225 466991
John.napier@altran.com



CS consultancy & services in infrastructure contractor rs rolling stock ds digital, signalling & telecoms pi products for infrastructure ot other



Altro Limited
www.altro.com
+44 (0)1462 480480
stow@altro.com



Ametek Airtechnology Group Ltd
www.aircrew.co.uk
+44 (0) 1932 765822
paul.hammond@ametek.co.uk



Amey
www.amey.co.uk
+44 (0)800 521 660
Rhiannon.williams2@amey.co.uk



Anderton Concrete Products Ltd
www.andertonconcrete.co.uk
+44 (0)1606 79436
sforrester@andertonconcrete.co.uk



Andrew Reid (Consulting Engineers) Limited
www.andrewreid.co.uk
+44 (0) 20 7332 0500
steve.hawkins@andrewreid.co.uk



Andromeda Engineering Ltd
www.andromedauk.com
+44 (0)151 427 3802
info@andromedauk.com



Angel Trains Limited
www.angeltrains.co.uk
+44 20 7592 0500
communications@angeltrains.co.uk



Ansaldo STS UK Ltd (Hitachi)
www.ansaldo-sts.com
+44 (0)20 3574 4980
Gilles.pascualt@ansaldo-sts.fr



API Capacitors Ltd
www.api-capacitors.com
+44 (0)1493 652752
laurence.mitchell@api-capacitors.com



Aquarius Railroad Technologies Ltd
www.aquariusrail.com
+44 (0) 1765 635021
abi@aquariusrail.com



Arcadia Alive Ltd
www.arcadiaalive.com
+ 44 (0)845 2600126
talk@arcadiaalive.com



Arcadis LLP
www.arcadis.com
+44 (0)20 7812 2000
Christine.mills@arcadis.com



CS consultancy & services in infrastructure contractor rs rolling stock ds digital, signalling & telecoms pi products for infrastructure ot other

THE POSITIVE CHOICE

AGILE • FLEXIBLE • CUSTOMER FOCUSED • EXPERT • PRAGMATIC

- Traction and Rolling Stock Engineering
- Vehicle modification design
- Certification Services
- Design Assurance
- Standards Compliance
- Compatibility Assessment
- Project Management
- Audit
- Structural Engineering
- EMC & EE&CS Safety Case
- RAM Engineering
- Safety Assurance (CSM)
- ISA and AsBo Services
- NoBo and DeBo Services
- Plant Acceptance Body
- Verification of Engineering Change (RIS-2700-RST)
- Independent Competent Person
- Product Acceptance
- Software Assurance and Assessment

ROLLING STOCK • INFRASTRUCTURE • PLANT • RAILWAY OPERATIONS

Engineering and independent certification services across rolling stock, plant, infrastructure and railway operations. Highly experienced professionals providing engineering expertise, innovative solutions, rapid responses and value for money.

29 Brunel Parkway, Pride Park, Derby DE24 8HR
info@aegis-rail.com
www.aegisengineering.co.uk
T: 01332 384302

The Mark of Excellence & Innovation

INNOVATION in Rail

BYBANEN BERGEN TRAM DEPOT, NORWAY

Phoenix range Swift-SEW bi-folding doors – the only solution for rail depots.

Safe, energy efficient, fast, reliable and industry proven throughout the world.

jewersdoors.co.uk +44 (0) 1767 317090 @Jewers_Doors

A Methode Electronics Company

Lighting the way

Providing Lighting solutions to the Global Rail Industry

LED Headlights	LED Tail / Marker Light solutions	Multi - Functional Lighting Solutions	Control Electronics and Systems	Complete Design Solutions

Tel: +44(0)161 337 3070 Fax: +44(0)161 336 5691 Email: enquiries@bmac.ltd.uk
Units 13 & 14 | Shepley Industrial Estate South | Shepley Road | Audenshaw | M34 5DW



Artemis Intelligent Power Ltd
www.artemisip.com
+44 (0)1314 406269
enquiries@artemisip.com



Atkins
www.atkinsglobal.com
+44 (0)20 7121 2000
rail@atkinsglobal.com



Arthur Flury (UK) Ltd
www.aflury.co.uk
+44 (0)1908 686766
info@aflury.co.uk



Babcock International Group Plc
www.babcockinternational.com
+44 (0)1698 203005
mairi.lynch@babcockinternational.com



Arup
www.arup.com/rail
+44 (0) 207 636 1531
rail@arup.com



Balfour Beatty
www.balfourbeatty.com
+44 (0)1737 854200
Charles.lederer@balfourbeatty.com



Associated Utility Supplies Ltd
www.aus.co.uk
+44 (0)1484 860575
rick@aus.co.uk



BAM Nuttall
www.bamnuttall.co.uk
+44 (0) 203 205 1950
huw.jones@bamnuttall.co.uk



Barhale
www.barhale.co.uk
+44 (0)1922 726888
communications@barhale.co.uk



Bentley Systems (UK) Ltd.
www.bentley.com
+44 (0) 808 101 9247
mike.coldrick@bentley.com



Birmingham Centre for Railway, University of Birmingham
www.birmingham.ac.uk/railway
+44 (0)121 414 2626
J.S.Illingsworth@bham.ac.uk



BMAC Ltd
www.bmac.ltd.uk
+44 (0)161 337 3070
david.myers@bmac.ltd.uk



CS consultancy & services in infrastructure contractor rs rolling stock ds digital, signalling & telecoms pi products for infrastructure ot other



BMT
www.bmt.org
+44 (0) 7799 903 182
clive.seaton@bmtglobal.com



Bombardier Transportation UK Ltd
www.bombardier.com
+44 (0)1332 344666
will.tanner@rail.bombardier.com



Bonner Rail Limited
www.bonnerrail.com
+44 (1) 904 783589
mark.bonner@bonnerrail.com



Bridgeway Consulting Ltd
www.bridgeway-consulting.co.uk
+44 (0)115 919 1111
steve.diksa@bridgeway-consulting.co.uk



CS consultancy & services in infrastructure contractor rs rolling stock ds digital, signalling & telecoms pi products for infrastructure ot other



British Steel
www.britishsteel.co.uk/what-we-do/rail
+44 (0) 1724 404040
rail@britishsteel.co.uk



BTTC Infrastructure Ltd
www.btcc-infrastructure.co.uk
+44 (0) 7725944543
duncan.golding@btcc-infrastructure.co.uk



B W B Consulting Ltd
www.bwbconsulting.com
+44 (0) 1132 338 000
Jonathan.Wright@bwbconsulting.com



CACI Ltd
www.caci.co.uk
+44 (0)207 602 6000
jdurk@caci.co.uk



Camlin Rail Ltd
www.camlinrail.com
+44 (0)2892 601133
p.fleming@camlinrail.com



Capita Property & Infrastructure Ltd
www.capita.co.uk/property
+44 (0)20 7709 4500
kevin.martin-read@capita.co.uk



CCD Design & Ergonomics Ltd
www.designbyccd.com
+44 (0) 20 7593 2900
hello@designbyccd.com



Cecence
www.cecence.com
+44 (0) 1264 781115
sam@cecence.com



Cembre
AUTOMATIC RAIL DISC SAW **ROBOKATTA**
BATTERY RAIL DRILL **LD-16B-RPE** RAINPROOF
BATTERY DRILL FOR WOODEN SLEEPERS **SD-19BR2-RPE** RAINPROOF

Network Rail Most Innovative Small Plant 2014
Awarded to Cembre for Robokatta automatic rail disc saw

Impact on the operator:
• Vibration: Zero
• Physical Effort: Zero
• Harmful Dust: Zero
• Sparks: Zero
• Exhaust Fumes: Zero
• Acoustic Noise: Minimum

Network Rail Most Innovative Small Plant 2017
Awarded to Cembre for EcoDrill all weather battery rail drill

Combination of a Powerful Battery & Visual Effort Optimiser give very high no. of cuts per charge

Network Rail Most Innovative Small Plant 2019
Awarded to Cembre for battery powered sleeper drill

Rotation sense/error signaling lights
Work area LED lighting

Battery sleeper drilling machine SD-19BR2-RPE with CE-EU support trolley

Cembre Ltd.
MAKING THE RIGHT CONNECTIONS
t: +44 (0) 1675 470 440 - e. sales@cembre.co.uk
w. www.cembre.co.uk

YouTube This is Cembre

ISO 9001 Certified Quality Management System
ISO 14001 Certified Environmental Management System

Design, manufacture and sales of electrical connectors and associated tools, cable accessories, marking systems, toolings and products for railway applications. Tools for pressed joints for water, gas, steam, waste and HVAC and related accessories. In house repair, refurbishment and calibration of toolings.

Bridgeway Consulting Limited
Rail & Civil Engineers

(3E)S Exceeding Expectations Everywhere *Deliverably*

Infrastructure Services
Rope Access, Diving, Specialist Access, Confined Spaces, Structures Examinations, Permanent Way, Signalling, CCTV Examinations

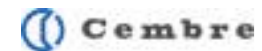
Assurance & Compliance
Assurance, HSQE Consultancy

Site and Ground Investigations
Slope Drilling, Coring, Cable Percussive, Window Sampling

Support Services
Ecology, Learning & Development

Geomatics
Topographical & Utility Surveys, Building Information Modelling, Monitoring, Unmanned Aerial Vehicles

enquiries@bridgeway-consulting.co.uk 0115 919 1111



Cembre Ltd
www.cembre.co.uk
+44 (0)1675 470440
mark.lewis@cembre.co.uk



Colas Rail Ltd
www.colasrail.co.uk
+44 (0)20 7593 5353
marketing@colasrail.co.uk



CPC Project Services LLP
www.cpcprojectservices.com
+44 (0) 207 539 4750
andy.norris@cpcprojectservices.com



CHG Electrical Ltd
www.chgelectrical.co.uk
+44 (0)1142 180470
info@chgelectrical.co.uk



Commend
www.commend.co.uk
+44 (0)1279 872 020
d.kitchener@commend.co.uk



CPMS Ltd
www.cpmsgroup.com
+44 (0) 330 058 0653
info@cpmsgroup.com



Citi Logik Ltd
www.citilogik.com
+44 (0) 7880 728 600
graham.bradley@citilogik.com



Connected Places Catapult
www.cp.catapult.org.uk/
+44 (0) 1908 359999
info-mk@cp.catapult.org.uk



Dale Power Solutions
www.dalepowersolutions.com
+44 (0) 330 999 3000
matt@dalepowersolutions.com



CMS Cameron McKenna Nabarro Olswang
www.cms.law
+44 (0)20 7367 2113
robert.gray@cms-cmck.com



Costain Limited
www.costain.com
+44 (0)1628 842444
info@costain.com



Dazzle Technologies
www.dazzle.ai
pete@dazzle.ai



CS consultancy & services in infrastructure contractor rs rolling stock ds digital, signalling & telecoms pi products for infrastructure ot other



DB Engineering & Consulting
www.deutschebahn.com
+44 (0) 121 314 3628
marc.johnson@deutschebahn.com



Dura Composites Ltd
www.duracomposites.com/rail
+44 (0)1255 440291
info@duracomposites.com



Egis Rail UK Ltd
www.egis-group.com
+44 (0)1252 451651
illy.toiber@egis.fr



Deeper than Blue
www.deeperthanblue.co.uk
+44 (0)114 399 2820
phil.facey@deeperthanblue.co.uk



Dynex Semiconductor Ltd
www.dynexsemi.com
+44 (0)1522 500500
paul.taylor@dynexsemi.com



Electrification Solutions
www.electrificationsolutions.co.uk
+44 (0)16 1509 7910
michaela.garnett@electrificationsolutions.co.uk



DGauge Ltd
www.dgauge.co.uk
+44(0) 1332 972360
info@dgauge.co.uk



Eaton Electrical Products Ltd
www.martekpower.com
+44 (0)1954 267726
MartekUKsales@eaton.com



Ellis Patents Ltd
www.ellispatents.co.uk
+44 (0)1944 758395
pgoddard@ellispatents.co.uk



DormaKaba
www.dormakaba.co.uk
+44 (0)7836 728983
david.frampton@dormakaba.com



Ebeni Ltd
www.ebeni.com
+44 (0) 1249 700505
Matthew.pearson@ebeni.com



Eltek
www.eltek.com
+44 (0)1442 219355
steven.pusey@eltek.com



CS consultancy & services in infrastructure contractor rs rolling stock ds digital, signalling & telecoms pi products for infrastructure ot other

Rail Analytics from Citi Logik.

Big Data analytics enabling smarter decisions in the rail industry

- Rail solutions derived from mobile and IoT sources
- No fixed infrastructure required
- Real-time train occupancy
- Station crowding analysis
- Station catchment analysis – first mile/ last mile
- Understand impacts of train delays
- Fully GDPR and ISO 27001 compliant

For more information:
enquiries@citilogik.com or
www.railanalytics.com

Building a more sustainable future

Eaton is a leading power management company, providing energy efficient solutions that help customer use electrical, fluid and mechanical power more reliably, efficiently, safely and sustainably. We provide innovative solutions globally that help you build a more sustainable business.

Martek Power AC/DC and DC/DC products
Martek Power products are designed to meet the highest national and international standards for harsh environments, safety and electromagnetic compatibility and interference (EMC / EMI). Our products are high-specification, reliable, rugged and cost efficient switch mode DC-DC converters, AC-DC converters and DC-AC inverters, generally within the range of 5W to over 1kW.

Our converters and inverters are used in a wide variety of customer-specified applications, including LED lighting, communications, engine management systems, passenger information systems, ERTMS, Wi-Fi and fire protection systems.

Contact us today!
www.martekpower.com
MartekUKsales@eaton.com
+44 (0)1954 267726

© 2019 Eaton. All rights reserved.



EnerSys UK Ltd
www.enersys-emea.com
+44 (0)161 794 4611
chris.walsh@uk.enersys.com

CS



Expleo
www.expleogroup.com
+44 (0) 177 9874000
uk-info@expleogroup.com

CS ds



Findlay Irvine Ltd
www.findlayirvine.com
+44 (0)1968 671200
sales@findlayirvine.com

pi sme



ENOTRAC UK Ltd
www.enotrac.com
+44 (0)20 8770 3501
adminuk@enotrac.com

CS



Ferrabyrne Ltd
www.ferrabyrne.co.uk
+44 (0)1903 721317
jeff.thorne@ferrabyrne.co.uk

rs sme



Firstco
www.firstco.uk.com
+44 (0)20 7034 0833
info@firstco.uk.com

CS in ds



ESR Technology
www.esrtechnology.com
+44 (0)1925 843400
dave.bull@esrtechnology.com

CS in sme



Fetch
www.fetch.ai
simon.clifford@fetch.ai

CS ds sme



Flexicon Ltd
www.flexicon.uk.com
+44 (0)1675 466900
flexiconsales@atkore.com

in rs ds pi



Eurofins York Ltd
www.eurofins.co.uk/york
+44 (0) 330 430 3456
enquiry@eurofins.com

CS sme



Field Consulting
www.fieldconsulting.co.uk
+44 (0) 207 096 7730
info@fieldconsulting.co.uk

CS sme



FLI Structures
www.fli.co.uk; www.fliscrewpiiles.co.uk
+44 (0)1452 722200
t.parker@fli.co.uk

ds pi sme

CS consultancy & services in infrastructure contractor rs rolling stock ds digital, signalling & telecoms pi products for infrastructure ot other




Frankham Consultancy Group
www.frankham.com
+44 (0)20 8309 7777
enquire@frankham.com

CS sme



FUCHS Lubricants UK Plc
www.fuchs.com/uk
+44 (0)1782 203700
ukwebsite@fuchs-oil.com

rs pi



FUTURE Designs
www.futuredesigns.co.uk
+44 (0)1732 867420
dclements@futuredesigns.co.uk

CS pi sme



Frazer-Nash Consultancy Ltd
www.fnc.co.uk/markets/transport/rail-and-metro.aspx
+44 (0)1779 226 242
t.myall@fnc.co.uk

CS rs ds pi



Fuel Integrated Communications Limited
www.fuelintegrated.com
+44 (0)203 137 3736
hello@fuelintegrated.com

CS ds sme



Gardiner & Theobald
www.gardiner.com
+44 (0)20 7209 3000
a.paul@gardiner.com

CS



Freshwater
www.freshwater.co.uk
+44 (0) 207 067 1595
hello@freshwater.co.uk

CS sme



Fugro
www.fugro.com/raildata
+44 (0) 116 259 9858
raildata@fugro.com

CS pi




Garic
www.garic.co.uk
+44 (0) 3300 948060
info@garic.co.uk

CS



Freysinet Ltd
www.freysinet.co.uk
+44 (0) 1952 201901
Kevin.Bennett@freysinet.co.uk

in



Furrer+Frey GB Limited
www.furrerfrey.ch
+44 (0)20 3740 5455
ndolphin@furrerfrey.ch

pi



GHD
www.ghd.com
+44 203 077 7900
cara.murphy@ghd.com

CS

CS consultancy & services in infrastructure contractor rs rolling stock ds digital, signalling & telecoms pi products for infrastructure ot other




FLI structures

Staging Platforms
Screw Piles
Telecoms Towers
Signal Structures
OLE Steelwork

01452 722200 sales@fli.co.uk




Innovation for rail.

Lightweight Concrete, Retaining Wall Systems, Trough Security and Handling.

Anderton Concrete Products Ltd is a market leading manufacturer of concrete rail products, and retaining wall systems with an unrivalled reputation for quality, design and innovation. Our products include Anderlite™ lightweight troughing system, cable route security systems and signal bases – with full support from our experienced sales and technical team.

To find out more about a pioneering company that is now part of the Ibstock family, get in touch today by calling **0333 234 3434** or visit **www.andertonconcrete.co.uk**



Ibstock
At the heart of building

gleeds

Gleeds Cost Management Ltd
www.gb.gleeds.com
+44 (0) 7767 644450
richard.golding@gleeds.co.uk



GrayBar

GrayBar Ltd
www.graybar.co.uk
+44 (0)1933 676700
sales@graybar.co.uk



HARSCO RAIL
Enabling Technology in Motion

Harsco Rail Ltd
www.harsco.com
+44 (0)1773 539480
info.emea@harsco.com



Glenair

Glenair UK Limited
www.glenair.com
+44 (0)1623 638100
sales@glenair.com



GRAYLING

Grayling Communications
www.grayling.com
+44 (0)20 3861 3750
katie.thrift@grayling.com



Haywood & Jackson

Haywood and Jackson Fabrications Ltd
www.haywoodandjackson.co.uk
+44 (0) 1606 47777
angie@haywoodandjackson.co.uk



GRAHAM

Graham Construction
www.graham.co.uk
+44 (0)20 7600 8500
gary.turner@graham.co.uk



G-volution

G-volution Ltd
www.g-volution.com
+44 (0) 1633 415311
simon.pickess@g-volution.com



Henry Williams

Henry Williams Ltd
www.hwilliams.co.uk
+44 (0)1325 462722
shfothergill@hwilliams.co.uk



Graffica

Graffica Ltd
www.graffica.co.uk
+44 (0) 1684 567200
info@grafica.co.uk



harmonic

Harmonic Limited
www.harmonic.co.uk
+44 (0)146 025 6500
rail@harmonic.co.uk



HILTI

Hilti Great Britain Ltd
www.hilti.co.uk
+44 (0)800 886 100
gbteam.rail@hilti.com



H:R

Hird Rail Development
www.hirdrail.com
+44 (0)1302 952040
info@hirds.co.uk



HITACHI
Inspire the Next

Hitachi Information Control Systems Europe Ltd
www.hitachi-infocon.com
+44 (0)1225 860140
tom.ross@hitachi-infocon.com



HITACHI
Inspire the Next

Hitachi Rail Europe Ltd
www.hitachirail-eu.com
+44 (0)20 7970 2700
rail.enquiries@hitachirail-eu.com



icomera

Icomera UK Ltd
www.icomera.com
+44 (0)870 4460461
jenny.brown@icomera.com



ilecsys

iLECSYS Rail Ltd
www.ilecsysrailonline.co.uk
+44 (0)1844 397300
info@ilecsysrail.co.uk



Incremental

Incremental Solutions Ltd
www.incrementalsolutions.co.uk
+44 (0)1904 435 100
contact@incrementalsolutions.co.uk



INDEPENDENT ig GLASS CO LTD

Independent Glass Company Ltd
www.independentglass.co.uk
+44 (0)141 429 8700
toughened@ig-glass.co.uk



ineco

INECO UK
www.ineco.com
+34 (0) 914 521 200
alberto.lacasa@ineco.com



IPEX

IPEX Consulting Ltd
www.ipexconsulting.com
+44 (0) 203 642 5893
info@ipexconsulting.com



ITN productions

ITN Productions
www.ITN Productions.com
+44 (0)20 7430 4660/4708
info@ITN Productions.com



JACOBS

Jacobs
www.jacobs.com
+44 (0) 7787 152 788
john.downer@jacobs.com



JEWERS

Jewers Doors Limited
www.jewersdoors.co.uk
+44 (0) 1767 317090
postroom@jewersdoors.co.uk



CS consultancy & services IN infrastructure contractor RS rolling stock DS digital, signalling & telecoms PI products for infrastructure OT other

CS consultancy & services IN infrastructure contractor RS rolling stock DS digital, signalling & telecoms PI products for infrastructure OT other

PIS Passenger Information Systems

DDO Driver Only Operation

C-DAS Connected Driver Advisory System

CIS Customer Information Systems

Creators of the Universal Information System®

Ketech

Better Informed Journeys

03300 578 450 info@ketech.com www.ketech.com

Driving the Future of Mobility

Hitachi Rail is a fully integrated, global provider of rail solutions across rolling stock, signalling, service & maintenance, digital technology and turnkey.

With a presence in 30 countries across three continents and over 14,000 employees, our mission is to contribute to society through the continuous development of superior rail transport solutions.

HITACHI
Inspire the Next

hitachirail.com

JOHNSON JAMES RAIL
THE RAIL BROKER
Jobson James Rail
 www.jobson-james-rail.co.uk
 +44 (0)121 452 8717
 rail@jobson-james.co.uk

CS

Kilborn Consulting Ltd
 www.kilborn.co.uk
 +44 (0)1933 279909
 pmcsharry@kilbornconsulting.co.uk

CS ds sme

kontron
 S&T Group
Kontron
 www.kontron.com
 +44 (0) 1243 523500
 david.johnson@kontron.com

ds

KBR
KBR Government Services EMEA
 www.kbr.com
 +44 (0)1372 865 000
 cliff.brown@kbr.com

CS

Kilfroost
Kilfroost Limited
 www.kilfroost.com
 +44 (0)1434 320 332
 info@kilfroost.com

pi sme

LB Foster
L.B. Foster Europe
 www.lbfoster.eu
 +44 (0)114 256 2225
 sales@lbfoster.co.uk

ds pi

KeTech
KeTech Systems Ltd
 www.ketech.com
 +44 (0) 330057 8450
 info@ketech.com

ds sme

DMS Technologies
Kirkpace (DMS Technologies)
 www.dmstech.co.uk
 +44 (0) 1794 525400
 ab@dmstech.co.uk

pi ot sme

Lend Lease Consulting
 www.lendlease.com
 +44 (0)20 3430 9382
 sennan.al-rehani@bovislendlease.com

CS

KIER
Kier Infrastructure UK
 www.kier.co.uk
 +44 (0) 1767 355 000
 kevin.sparrow@kier.co.uk

in

KNORR-BREMSE
Knorr-Bremse Rail Systems (UK) Ltd
 www.knorr-bremse.co.uk
 +44 (0)1225 898700
 gill.inman@knorr-bremse.com

rs ds

Linbrooke
Linbrooke Design Services
 www.linbrooke.co.uk
 +44 (0) 844 800 0983
 josh.tollafield@linbrooke.co.uk

CS ds sme

CS consultancy & services in infrastructure contractor rs rolling stock ds digital, signalling & telecoms pi products for infrastructure ot other

LML Products Ltd
LML Products Ltd
 www.lmlproducts.co.uk
 +44(0)1249 810000
 sales@lmlproducts.co.uk

rs pi sme

Lonsdale Rail
Lonsdale Rail
 www.michaellonsdale.com
 +44 (0) 1753 588750
 info@michaellonsdale.com

CS in

LORAM
Loram UK
 www.loram.co.uk
 +44 (0)1332 293035
 commercial@loram.co.uk

in rs pi

LPA Group Plc
LPA Group Plc
 www.lpa-group.com
 +44 (0)1799 512800
 enquiries@lpa-group.com

rs sme

mace
Mace Group Limited
 www.macegroup.com
 +44(0) 20 3522 3000
 davendra.dabasia@macegroup.com

CS in

Machines With Vision Ltd
Machines With Vision Ltd
 www.machineswithvision.com
 +44 (0)7809 420845
 anthony.ashbrook@machineswithvision.com

pi sme

MACK BROOKS
Mack Brooks Group
 www.mackbrooks.com
 +44 (0)1727 814400
 info@mackbrooks.co.uk

ot sme

MATISA
Matisa (U.K.) Limited
 www.matisa.ch
 +44 (0)1724 786160
 E-mail: matisa@matisa.co.uk

CS pi

mattei
Mattei Compressors Ltd
 www.matteirail.com
 +44 (0)7976 308067
 graham.leach@mattei.co.uk

rs ot sme

Maynard.
Maynard Design Consultancy
 www.maynard-design.com
 +44 (0) 20 7724 9500
 info@maynard-design.com

CS sme

MECHAN
Mechan Limited
 www.mechan.co.uk
 +44 (0)114 257 0563
 lindsey.mills@mechan.co.uk

ot sme

Metrail
Metrail Construction Ltd
 www.metrail.co.uk
 +44 (0)1825 761360
 nadia@metrail.co.uk

in sme

CS consultancy & services in infrastructure contractor rs rolling stock ds digital, signalling & telecoms pi products for infrastructure ot other

JOHNSON JAMES RAIL
THE RAIL BROKER
 www.jobson-james-rail.co.uk

A track record of success in rail industry insurance

We are a specialist railway insurance broker with unrivalled knowledge of the rail industry:

- RISQS and Link-up approved
- Risk management approach produces lower premiums
- Technical and contractual advice

We insure any business which works partly or wholly within the rail industry.

Contact Keven Parker on:
07816 283949 / 0121 4528717 / 0207 9839039
 Email: **Keven.parker@jobson-james.co.uk**

Offices in London and Birmingham. Nationwide coverage. Jobson James Insurance Brokers Limited are authorised and regulated by the Financial Conduct Authority

Kilfroost
Keeping the rail industry moving for more than eight decades

Providing protection for:

- Track, including electrified third rail, points and switches
- Rolling stock
- Ground applications

Our comprehensive range of de and anti-icing rail products keeps railways across the world moving, even in the coldest conditions.

To find out more about our rail products tailored to each application please get in touch with a member of our team on 01434 320332 or visit www.kilfroost.com

MECHAN
 A CIM Group company


RAIL DEPOT & WORKSHOP EQUIPMENT

- RAILCAR LIFTING JACKS
- BOGIE/EQUIPMENT DROPS
- TRAVERSERS
- TURNTABLES
- BOGIE WORKSHOP MACHINES
- UNDER CAR EQUIPMENT HANDLING
- LASER MEASURING
- SANDBOX FILLING
- SHUNTERS
- EXHAUST EXTRACTION
- UNDER FLOOR WHEEL LATHES

mechan.co.uk
info@mechan.co.uk
+44 (0)114 257 0563

CIM
 YOUR RAILWAY AND URBAN TRANSPORT PROJECTS OUR INTEGRATED SOLUTIONS

Davy Industrial Park
 Prince of Wales Road
 Sheffield S9 4EX



MLM Group
www.MLMGroup.com
+44 (0) 20 3780 8396
contact@MLMGroup.com

ot



Mobius Networks
www.mobiusnetworks.co.uk
+44 (0) 1530 511 109
Peters@mobiusnetworks.co.uk

ds ot sme




Morgan Sindall Construction & Infrastructure Ltd
www.morgansindall.com
+44 (0) 207 078 0570
Sonal.wadher@morgansindall.com

CS



Motion Rail
www.motionrail.co.uk
+44 (0) 208 0900 103
emma.gilchrist@motionrail.co.uk

CS in ds pi sme



Mott MacDonald
www.mottmac.com
+44 (0)20 8774 2000
railways@mottmac.com

CS




Movement Strategies Ltd
www.movementstrategies.com
+44 (0)20 3540 8520
info@movementstrategies.com

CS ds sme



MPEC Technology Ltd
www.mpec.co.uk
+44 (0)1332 363979
enquiries@mpec.co.uk

CS in ds pi sme



National College for Advanced Transport and Infrastructure
www.ncati.ac.uk
+44 (0) 3301 200 375
enquiries@ncati.ac.uk

CS pi sme



Network Certification Body (NCB)
www.net-cert.co.uk
+44 (0)1908 784 002
ncbenquiries@networkrail.co.uk

CS rs




Nichols Group Ltd
www.nicholsgroup.co.uk
+44 (0)20 7292 7000
operations@nichols.uk.com

CS sme



Nokia
www.nokia.com
+44 7801872418
phil.cottom@nokia.com

CS ds



Norman Hay Plc
www.normanhay.com
+44 (0)24 7622 9373
moran.sacagiu@normanhay.com

ot sme



Norton Straw Consultants Ltd
www.nortonstraw.com
+44 (0)1332 348844
info@nortonstraw.com

CS rs sme



Opinsta
www.opinsta.com
+44 (0)800 030 6693
hello@opinsta.com

ot sme



OSL Global
www.oslglobal.com
+44 (0)845 271 9171
enquiries@oslglobal.com

CS in ds pi sme



Oxford Plastic Systems Ltd
www.oxfordplastics.com/rail
+44 (0) 1608 678888
sales@oxfordplastics.com

pi sme



Overhead Line Engineering Ltd
www.OLE-Limited.co.uk
+44 (0)13 3234 2122
contact@ole-limited.co.uk

in sme



PACE Networks
www.pace-networks.co.uk
+44 (0) 1285 323525
info@pace-networks.co.uk

CS pi sme



Pandrol
www.pandrol.com
+44 (0)1932 834500
info@pandrol.com

pi

CS consultancy & services in infrastructure contractor rs rolling stock ds digital, signalling & telecoms pi products for infrastructure ot other

CS consultancy & services in infrastructure contractor rs rolling stock ds digital, signalling & telecoms pi products for infrastructure ot other

Pennant and Track Access have been working with rail industry primes delivering services and solutions to the rail industry for over 45 years.





- Technical Manuals
- VR Shunter Trainer & ECR Switching Simulator
- Accident & Incident Reconstruction
- OmegaPS Rail – software generating RAMS data for Technical Manuals
- Computer Based Training
- Training Courseware
- 3D Modelling and Animation
- Driver Route Learning & Route Familiarisation

www.pennantplc.co.uk E: rail@pennantplc.co.uk T: +44 (0)161 947 6940

THE SMART RAILWAY REVOLUTION IS COMING



ARE YOU ON BOARD?
www.plextek.com/railwayrevolution



ADVANCED SENSORS COMMUNICATIONS DATA ANALYTICS AUTOMATION



Parker Hannifin Ltd
www.parker.com
+44 (0)1923 889000
Dave.Walker@Parker.com



Parsons Transportation Group
www.parsons.com
+44 (0)20 8326 5621
enquiries.pgil@parsons.com



PAULEY
www.pauley.co.uk
+44 (0) 203 432 8680
info@pauley.co.uk



PcP Gratings Ltd
www.pcpgratings.co.uk
+44 (0)1902 791792
sales@pcpgratings.co.uk



Pennant International Group Plc
www.pennantplc.co.uk
+44 (0)161 947 6940
manchester@pennantplc.co.uk



Perpetuum Ltd
www.perepetuum.com
+44 (0)23 8076 5888
info@perpetuum.com



Peter Watson Rail Consultancy Ltd
+44 (0) 7519 187026
peterwatson.railconsultancy@gmail.com



PixelMill
www.pixelmilldigital.com
+44 (0) 7799 881969
vin@pixelmilldigital.com



Plasser UK
www.plasser.co.uk
+44 (0) 20 8998 4781
info@plasser.co.uk



Plextek Services Ltd
www.plextek.com
+44 (0) 1799 533200
nicholas.hill@plextek.com



Plowman Craven
www.plowmancraven.co.uk
+44 (0)1582 765566
post@plowmancraven.co.uk



Poise Group Ltd
www.poisegroup.uk
+44 (0) 203 086 9400
prem.hari@poisegroup.uk



Porterbrook Leasing Company Ltd
www.porterbrook.co.uk
+44 (0)1332 262405
enquiries@porterbrook.co.uk



Progress Rail Services UK Limited
+44 (0)115 921 8218
www.progressrail.com
pruk.sales@progressrail.com



PPA Group Limited
www.ppa-group.com
+44 (0) 1244 280 838
pete@ppagroup.net



Priestman Goode
www.priestmangoode.com
+44 (0)20 7580 3444
joy@priestmangoode.com



Rail Asset Development Ltd
www.railassetdevelopment.co.uk
+44 (0) 7787577645
Steve.king@railassetdevelopment.co.uk



Raildiary
www.raildiary.com
+44 (0)161 694 8684
info@raildiary.com



Rail Planning Services Ltd
www.railplanningservices.co.uk
+44 (0)1753 378 885
sean@railplanningservices.com



Rail Products UK Ltd
www.railproducts.uk.com
+44 (0)1555 773027
derek@railproducts.uk.com



Ramboll UK Ltd
www.ramboll.co.uk
+44 (0)7799 864156
steve.brown@ramboll.co.uk



Ramtech Electronics Ltd
www.ramtech.co.uk
+44 (0) 115 957 8282
john.newbury@ramtech.co.uk



Relec Electronics Ltd
www.relec.co.uk
+44 (0) 1929 555700
john.stone@relec.co.uk



CS consultancy & services in infrastructure contractor rs rolling stock ds digital, signalling & telecoms pi products for infrastructure ot other

CS consultancy & services in infrastructure contractor rs rolling stock ds digital, signalling & telecoms pi products for infrastructure ot other

Our expert teams have proven capability delivering complex infrastructure programmes

SYSTEMS ENGINEERING | SYSTEMS INTEGRATION | SYSTEMS MIGRATION | SYSTEMS ASSURANCE

CAPABILITY YOU CAN DEPEND ON

amey JACOBS DRAGADOS Digital Railway NetworkRail EllisDon SNC-LAVALIN OLRT FRAZER-NASH CONSULTANCY

semp

Phone +44 (0)161 240 4151 Email enquiries@sempltd.com www.sempltd.com

ISO 14001 ISO 9001 UKAS MANAGEMENT SYSTEMS

VIVACITY RAIL CONSULTING know how to unlock value in your engineering, operational and commercial data, especially where:

- it has to cross organisational boundaries
- it is trapped in data silos
- there is too much of it
- it is unstructured and hard to use

This becomes more and more relevant as we move to a whole-system approach to a safe and cost-effective railway.

We can help you investigate, prototype, design, commission and run the IT solutions that make it possible.

- www.vivacityrail.com
- info@vivacityrail.com
- +44 20 3778 0466

INFORMATION ARCHITECTURES
Vivacity design ARCHITECTURES and STANDARDS that make it easier to move remote condition monitoring data across the industry – trains that monitor infrastructure, infrastructure that monitors trains. We'll help you use these standards in your own projects.

DATA INTEGRATION
Vivacity build IT SOLUTIONS that merge different types of data to help manage the railway: operational, commercial and engineering. We can do the same for you – from experimental desktop prototypes to full-scale cloud-hosted production systems.

OPERATIONS & PERFORMANCE
Vivacity are experts on the SCHEDULE 8 performance regime and can wring all kinds of insights and understanding from Network Rail performance data and open data feeds. We have particular experience in SCHEDULE 8 RECALIBRATIONS.

vivacity RAIL CONSULTING bespoke rail information management consultancy

RDS INTL
Reliable Data Systems International Ltd
 www.rdsintl.com
 +44 (0) 1483 565 272
 richard.shenton@rdsintl.com

RICARDO
Ricardo Rail Ltd
 www.rail.ricardo.com
 +44 (0)1332 268700
 railUK@ricardo.com

RS Clare & Co Ltd
 www.rsclare.com
 +44 (0)151 709 2902
 info@rsclare.com

Replin
Replin By Hainsworth
 www.replinbyhainsworth.co.uk
 +44 (0)113 257 0391
 stuartallen@awhainsworth.co.uk

RINA
RINA Consulting
 www.rinaconsulting.org
 +44 (0)1372 367411
 Andy.millar@rina.org

RSK
RSK Group Ltd
 www.rsk.co.uk
 +44 (0)1928 726006
 ACalder@rsk.co.uk

resonate
Resonate Group Ltd
 www.resonate.tech
 +44 (0) 1332 221 000
 enquiries@resonate.tech

Rowe Hankins
Rowe Hankins Limited
 www.rowehankins.com
 +44 (0)161 765 3005
 info@rowehankins.com

RTS SOLUTIONS
RTS Solutions Limited
 www.rts-solutions.net
 +44 113 246 8945
 stuart@rts-solutions.net

RHOMBERG SERSA
Rhomberg Sersa UK Limited
 www.rhombergrail.com
 +44 (0)300 303 0230
 sersa.uk@sersa-group.com www.sersa-group.com

Roxtec
Roxtec Ltd
 www.roxtec.com
 +44 (0)161 761 5280
 info@uk.roxtec.com

R&W RAIL
R&W Rail Ltd
 www.rwcivilengineering.co.uk
 +44 (0) 2380845379
 Lawrence.Houghton@rwrail.co.uk

consultancy & services infrastructure contractor rolling stock digital, signalling & telecoms products for infrastructure other

SAFT
Saft
 www.saftbatteries.com
 +44 (0)1279 772550
 sarah.carter@saftbatteries.com

SEA
SEA Limited
 www.sea.co.uk
 +44 (0)1373 852000
 info@sea.co.uk

SAN
SAN Electro Heat A/S
 www.san-as.com
 +44 (0)161 727 3713
 robe@san-as.com

SEETRU
Seetru Limited
 www.seetru.com
 +44 (0)117 930 6100
 sales@seetru.com

Sapphire
Sapphire Utility Solutions Ltd
 www.sus.co.uk
 +44 (0) 800 999 2266
 andrew.glennon@sus.co.uk

SELLA CONTROLS
SELLA CONTROLS
 www.sellacontrols.com
 +44 (0)161 429 4500
 ales@sellacontrols.com

Schneider Electric
Schneider Electric
 www.schneider-electric.com
 +44 (0) 1952 220059
 gb-customerservices@schneider-electric.com

SEMP
SEMP Ltd
 www.sempltd.com
 +44 (0)161 240 4151
 enquiries@sempltd.com

consultancy & services infrastructure contractor rolling stock digital, signalling & telecoms products for infrastructure other

voith.com



The heart of the hybrid solution Voith RailPack DE

The Voith diesel-electric RailPacks offer best in class performance and flexible Stage V compliant power options all specifically designed to give operators maximum power density and low emissions for hybrid and bi-mode trains and locomotives. Whether for new build or life extension and modernisation of existing fleets, the Voith RailPack provides a core package that can be integrated with any combination of electric traction.

Contact:
 Phone +44 20 8436 1078
 domenico.bondi@voith.com

VOITH
 Inspiring Technology
 for Generations

Seetru Limited Safety Relief Valves
 Liquid Level Gauges
 Testing Equipment
 SRV Training Courses

www.seetru.com | info@seetru.com | +44 (0) 117 930 6100

SEETRU Products for the Rail Industry
 - Proudly Manufacturing in the UK
 - Over 70 Years of Design Innovation

Safety Valve Applications:

- Braking System Pneumatics
- Auxiliary Pneumatics
- Auto Coupling
- Train Doors
- Pantographs
- Auto Rail Standing Systems
- Toilets
- Automatic Platform Safety Barriers

Liquid Level Contents Gauges
 Options in Brass, Stainless Steel or Polypropylene construction with a range of Elastomer and P.T.F.E seals to meet your requirement needs.

Seetru Engineering Services

Safety Valve Testing and Refurbishment

- A Large Range of Workshop Services
- In-Situ Safety Valve Testing
- In-Situ Lapping & Polishing

ses.seetru.com | ses@seetru.com | +44 (0) 117 930 6148

WE'RE NOT JUST A STANDARD SUPPLIER OF RAIL DISPLAYS, WE'RE LEADING THE WAY IN DISPLAY & TOUCH TECHNOLOGY

RELEC
 STANDARD IS JUST THE BEGINNING

Biggest range of products. Best industry knowledge.
 Unrivalled technical and commercial support.

01929 555800
 sales@relec.co.uk relec.co.uk

THE SPECIALIST IN POWER CONVERSION AND DISPLAYS

SKANSKA
Skanska UK Plc
 www.skanska.co.uk
 +44 (0)1923 776666
 geoff.hayes@skanska.co.uk

Silver Fox
 www.silverfox.co.uk
 +44 (0) 1707 373727
 tammy.page@silverfox.co.uk

smiths interconnect
 bringing technology to life
Smiths Interconnect
 www.smithsinterconnect.com
 +44 (0)20 8236 2400
 nfo.uk@smithsinterconnect.com

Somafel SA
 www.somafel.pt
 +44 (0)1189 001440
 tlr@somafel.pt

sopra steria
Sopra Steria
 www.soprasteria.co.uk
 +44 (0)370 600 4466
 peter.curtis@soprasteria.com

Southco Manufacturing Ltd
 www.southco.com
 +44 (0) 1905 346722
 info@southco.com

Southampton Boldwood Innovation Campus
 University of Southampton
 www.sr2.soton.ac.uk
 +44 (0) 23 8059 3960
 R.G.Anderson@soton.ac.uk

Sovereign Strategy
 www.sovereignstrategy.com
 +44 (0) 2079306353
 graham.evans@sovereignstrategy.com

Specialist Project Integration
 www.thinkspi.com
 +44 (0)1908 671 933
 innovate@thinkspi.com

SPL Powerlines UK Ltd
 www.powerlines-group.com
 +44 (0)1236 424666
 office.uk@powerlines-group.com

SRS Rail System Ltd
 www.srsrailuk.co.uk
 +44 (0)1246 241312
 info@srsrailuk.co.uk

SSE Enterprise
 www.sseenterprise.co.uk
 +44 (0) 141 224 7247
 enquiries@sseenterprise.co.uk

SYSTRA
Systra Ltd
 www.systra.co.uk
 +44 (0) 203 855 0079
 info_uk@systra.com

Tarmac
 www.tarmac.com
 +44(0) 121 787 5001
 enquiries@tarmac.com

TATA Consultancy Services
 www.tcs.com
 +44 (0)203 155 2100
 roy.spencer@tcs.com

TBAT Innovation Limited
 www.tbato.co.uk
 +44 (0) 1332 819740
 info@tbato.co.uk

Telent Technology Services Ltd
 www.telent.com
 +44 (0) 800 7837761
 talktotelent@telent.com

Telespazio VEGA UK
 www.telespazio-vega.com
 +44 (0) 1582 399000
 info_uk@telespazio.com

THALES
Thales UK
 www.thalesgroup.com
 +44 (0)203 300 6000
 patrick.clipperton@uk.thalesgroup.com

thyssenkrupp Materials UK, Ltd
 www.thyssenkrupp-materials.co.uk
 +44 (0)1276 673 173
 sales.tkmuk@thyssenkrupp.com

Time 24 Ltd
 www.time24.com
 +44 (0)1444 257655
 david.shore@time24.co.uk

Tony Gee & Partners
 www.tonygee.com
 +44(0)1372 461600
 rail@tonygee.com

Tracsis
Tracsis plc
 www.tracsis.com
 +44 (0)845 094 7656
 info@tracsis.com

Tratos (UK) Ltd
 www.tratosgroup.com
 +44 (0) 779 979 8774
 chris.harris@tratosgroup.com

consultancy & services infrastructure contractor rolling stock digital, signalling & telecoms products for infrastructure other

consultancy & services infrastructure contractor rolling stock digital, signalling & telecoms products for infrastructure other

Connecting today with tomorrow.

ZF Group has been at the forefront of rail transmission and final drive technology for over 100 years with an extensive product portfolio for all rail vehicle types. This is supported through the whole life of the asset by ZF Services UK which has over 40 years experience providing rail service and overhaul support to our customers from our site in Nottingham. Providing a complete package of service support for rail products including; field support, in-service health checks, parts, warranty and remote condition monitoring. Visit aftermarket.zf.com

AFTERMARKET

Kilborn Consulting Limited is an independent railway engineering consultancy and design business.

We specialise in the design of new and altered railway Signalling, Telecoms & Control Systems for UK railways, covering main lines, depots, stabling facilities and private railways.

These are the areas for which we supply our services:

- Signalling and Telecoms Consultancy, including technical advice & guidance
- Asset Condition Assessments, Correlation, Surveys and Signal Sighting
- Signalling & Level Crossing Risk Assessments
- Feasibility, Optioneering studies, Concept and Outline Signalling Design
- Telecoms Option Selection Reports (including AiP), Reference System Design and Detailed Design
- Detailed Signalling Design
- Competency Management & Assessments

Kilborn Consulting Limited, 3 Burystead Place, Wellingborough, Northamptonshire, NN8 1AH
 T: 01933 279909 E: pmcsharry@kilbornconsulting.co.uk

www.kilbornconsulting.co.uk



TRB Lightweight Structures Ltd
www.trbls.com
+44 (0) 203 409 3097
info@trbls.com



Truvin Analytics Ltd
www.truvinanalytics.com
+44 (0) 7866557727
meena.dasigi@truvinanalytics.com



TSO Rail Limited
www.tso.fr/tso-construction-renouvellement-voies-ferroviaires.asp?LANGUE=GB
+44 (0) 2037735160
info@tso.fr



TSP Projects, a Systra Company
www.tspprojects.co.uk
+44 (0)1904 454600
proposals@longsteel.com



CS consultancy & services in infrastructure contractor RS rolling stock DS digital, signalling & telecoms PI products for infrastructure OT other



UK Power Networks Services
www.ukpowernetworksservices.co.uk
enquiries@ukpowernetworks.co.uk



UK Rail Advisory Limited
www.ukrailadvisory.co.uk
+44 (0) 7882 618286
nicola.wood@ukrailadvisory.co.uk



Ultra Electronics PMES
www.ultra-pmes.com
+44 (0)1889 503300
Scott.Francis@ultra-pmes.com



Unipart Rail
www.unipartrail.com
+44 (0) 1302 731400
enquiries@unipartrail.com



University of Huddersfield - The Institute of Railway Research (IRR)
www.research.hud.ac.uk/institutes-centres/irr/
+44 (0)1484 472030
irr.info@hud.ac.uk



Vendigital Ltd
www.vendigital.com
+44 (0) 20 3871 2769
info@vendigital.com



Vertex Systems Engineering
www.vertex-se.com
+44 (0)118 9255 462
enquiries@vertex-se.com



Viper Innovations
www.viperinnovations.com
+44 (0) 1275 78 78 78
enquiries@viperinnovations.com



Virtual Zone Limited
www.thevirtualzone.co.uk
nick@thevirtualzone.co.uk



Vivacity Rail Consulting
www.vivacityrail.com
+44 (0) 20 3778 0466
pete@vivacityrail.com



VMS - Variable Message Signs
www.vmstech.co.uk
+44(0)191 423 7070
sales@vmstech.co.uk



voestalpine SIGNALING Fareham Ltd
www.voestalpine.com
+44(0)1489571771
steve.warner@voestalpine.com



CS consultancy & services in infrastructure contractor RS rolling stock DS digital, signalling & telecoms PI products for infrastructure OT other



Voith Turbo Limited
www.uk.voithturbo.com
+44 (0) 20 8436 1078
Domenico.Bondi@voith.com



VolkerWessels UK Limited
www.volkerwessels.co.uk
+44 (0)1992 305 000
corporatecomms@volkerwessels.co.uk



Vossloh Cogifer UK Limited
www.vossloh.com
+44 (0)1724 862131
david.walters@vossloh-cogifer.com



Wabtec Faiveley Transport Birkenhead Ltd
www.wabtec.com
+44 (0)151 649 5000
kevin.smith@wabtec.com



Warren Partners Ltd
www.warrenpartners.co.uk
+44 (0) 20 3709 8089
ibrockbank@warrenpartners.co.uk



Waterman Group
www.watermangroup.com
+44 (0) 20 7928 7888
manoj.gupta@watermangroup.com



Wentworth House Rail Systems Ltd
www.railelectrification.com
+44 (0) 1270 448 405
enquiries@railelectrification.com



Westermo Data Communications Ltd
www.westermo.co.uk
+44 (0)1489 580585
sales@westermo.co.uk



WE ARE EXPERTS IN:

SUPPLY CHAIN SOLUTIONS

PRODUCTS & TECHNOLOGY SOLUTIONS



Adding value through optimised costs, increased performance and reduced risk.



SERVING THE WORLD'S RAILWAYS

WE'RE NOT JUST A STANDARD SUPPLIER OF POWER CONVERSION, WE'RE LEADING THE WAY IN THE RAIL INDUSTRY



STANDARD IS JUST THE BEGINNING

Biggest range of products. Best industry knowledge. Unrivalled technical and commercial support.

01929 555800

sales@relec.co.uk relec.co.uk

THE SPECIALIST IN POWER CONVERSION AND DISPLAYS



Safe. Reliable. Fast.



We offer high quality, durable and environmentally friendly solutions conforming to the main international railway standards

- Modular, rack and panel connectors with mixed signal, power, and coaxial modules
- High power intercoach connectors and couplers
- Rectangular plastic connectors compliant with fire and smoke requirements
- Circular metal connectors with high reliability hyperboloid contacts
- Custom solutions with flexible and versatile design



more > smithsinterconnect.com | in



Secure your rail assets

Roxtec cable seals meet the EN 45545 standards and protect against multiple risks.



roxtec.com



WillB Brand Consultants
www.willbaxter.com



Withers & Rogers LLP
www.withersrogers.com
+44 20 7940 3600
enquiries@withersrogers.com



WVG Centre HVM Catapult
www.warwick.ac.uk/fac/sci/wvg
+44 (0)24 7652 2999
D.Hughes@warwick.ac.uk



Wrexham Mineral Cables
www.wrexhammineralcables.com
+44 (0) 1978 810 789
sales@wrexhammineralcables.com



WSP UK Limited
www.wspgroup.com/en-gb
+44 (0)2920769161
peter.button@wspgroup.com



Xrail Group Limited
www.xrailgroup.com
+44 (0)20 7712 1495
munir.patel@xrailgroup.com



ZebraWare Limited
www.zebraWare.co.uk
+44 (0) 1925 500 150
j.wright@zebraWare.co.uk



Zetica Ltd
www.zeticarail.com
+44 (0)1993 886682
ail@zetica.com



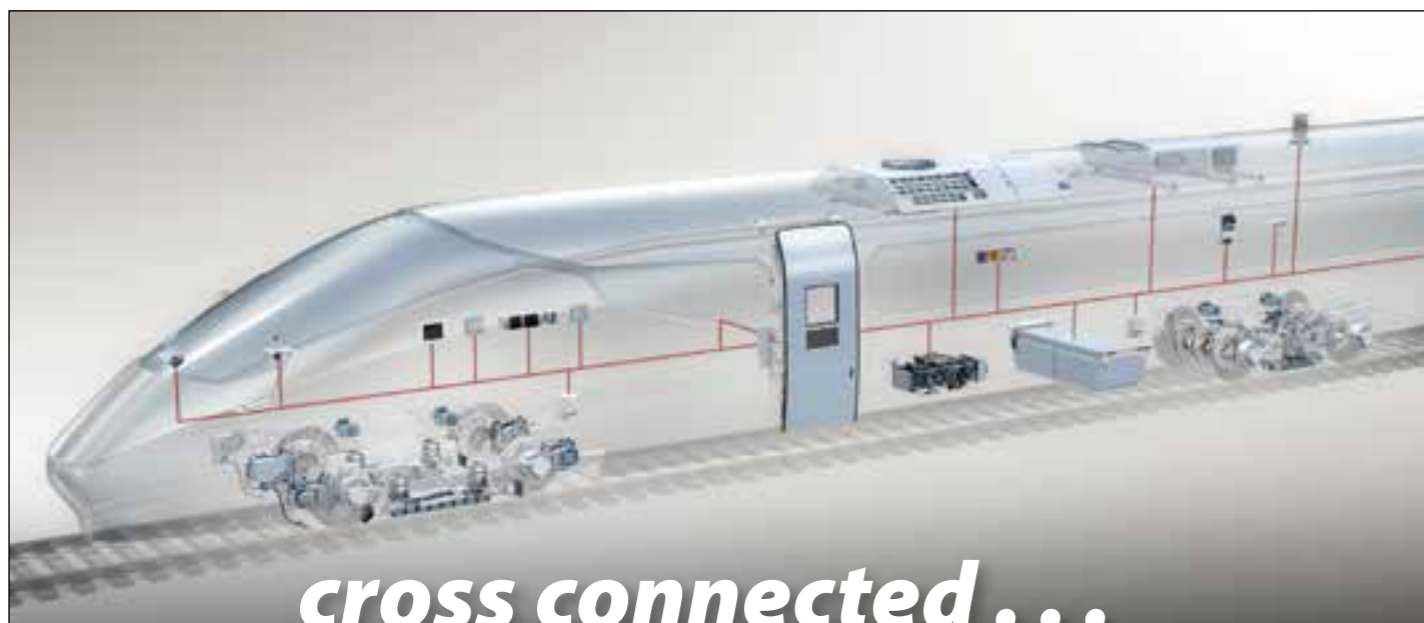
ZF Services UK Ltd
www.aftermarket.zf.com/uk
+44 (0) 333 240 1123
paul.long@zf.com



Zonegreen Ltd
www.zonegreen.co.uk
+44 (0)114 2300822
info@zonegreen.co.uk



CS consultancy & services in infrastructure contractor rs rolling stock ds digital, signalling & telecoms pi products for infrastructure ot other



cross connected...

... FUTURE-PROOF SYSTEMS FROM KNORR-BREMSE.
Systems that work in perfect harmony, delivering outstanding performance, reliability, safety and optimised life-cycle costs, all from a single source.
|www.knorr-bremse.co.uk|



READY FOR TOMORROW

WITH OUR RANGE OF TRACK MAINTENANCE MACHINES

- TAMPING MACHINES
- TRACK LAYING AND RENEWAL MACHINES
- BALLAST REGULATORS
- TRACK INSPECTION VEHICLES
- BALLAST CLEANERS AND SWITCH TRANSPORT WAGONS

matisa.ch



la passion du rail

SYSTRA

A world leader in transport
infrastructure



Be the signature team
FOR TRANSPORTATION SOLUTIONS

With confidence, we help the world move forward

www.systra.co.uk

For more information, please contact
Sarah White: swhite@systra.com