



ON TRACK FOR
A SUSTAINABLE FUTURE

COLAS RAIL

2022 Review

REFLECTING ON THE SUCCESS
OF RAIL SERVICES





In 2022, we focused on risks and encouraged everyone to play their part to improve safety.

Thank you for owning your safety!

You made safety personal, identified risks that were unacceptable and more importantly did something about them.

A special thank you to those who made a difference by sharing their ideas, and helping to eliminate or reduce risk. You made a difference, and because of you we were stronger together!



Joseph Hagan,
Head of HSQE - Services.



CARE



SHARE



DARE

2022 Review



PLANT SUMMARY

What Went Well:

- Zero SPADs in 2022 - first time in 17 years.
- Road risks reduced as staff are no longer driving continuously for over 2 hrs.
- All Team Leaders have had at least 2 weeks of management and safety training.
- Improved leadership engagement with staff - 'Talking-Listening-Challenging'
- Monthly safety, performance and engagement meetings with the client
- Instrumental in the formation of Operational Safety Supplier Group (OSSG)

- [Corporate Social Responsibility \(CSR\) Project:](#)
Harrison's Story - collaboration between Colas Rail UK & client.
- Delivered the first ever OTM appreciation day for our SCO Partners which received great feedback.
- Installation of rear facing, forward facing, in-cab and driver profile cameras fitted across OTM Fleet as part of SPAD reduction plan.
- Rail Milling delivery team acknowledged by NWR for all their efforts in overcoming many engineering problems. Achieved 100% on all contract KPIs YTD.



PERFORMANCE AND DELIVERY

- The Kirow crane team have developed excellent working relationships with all the SRSAs depots.
- Successful opening of a new office and training centre strategically located in Crewe.
- New Regulator to be delivered in December 2022. Goes into contract from April 2023.
- Two new tampers for the Western region, will be delivered December 2023 and January 2024, with two further new machines being ordered next year.
- Increased number of Multi Skilled Drivers, enhancing our route knowledge and ability to deliver across all contracts.
- Currently in the process of bidding for the Stoneblower contract due to start in April 2023.
- Advanced discussions underway to overhaul the Kirow crane to maintain its reliability and competitiveness.

WELL DONE TEAM!

Success Story

RAIL MILLING

➤ Hydraulic Pump Removal

The Milling crew worked in collaboration with the Rugby workshop staff to achieve the goal in completing the job safely and more efficiently.



There's power in a group of people working together towards a shared goal. A properly managed team brings the best out of each person, allowing them to reach much more than if they were working alone.

Olga Rogacka



SAFE WORKING – STRONGER TOGETHER

Best Practice Tip-change Workbench

Best Practice enables us to work safer and in an appropriate environment, also gives us a level of digital accuracy unique to SF-06-UK. [Click here for short video.](#)

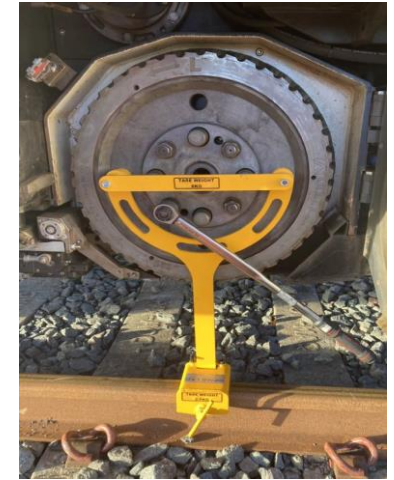
There are no other similar systems worldwide. Feedback from our project partner – Australia have ordered a similar system, Crossrail are looking to order for Linsinger MG31-UK.

COLLABORATIVE WORKING

The Rail Milling team worked in collaboration with the Rugby Workshop staff in using the overhead gantry crane and the Heavy Lift Team to produce safe and workable lift plans. The 1500kg Hydraulic Pump was safely removed, along with all cables, hoses, electrical connections, this task was safely completed within 1 working day, and in a shorter time than planned by the OEM. The learning from the first part of the task has been incorporated into the method of work for reinstalling the hydraulic pump once the overhaul has been completed.



CUTTER HEAD LOCKING TOOL



The crew used their initiative to improve the torque process for their Milling machine. Previously we were unable to torque due to wheel rotation and had to rely on the unmeasurable torque applied by a battery powered impact gun. As best practice the crew developed a Cutter Head Locking Tool which enables the correct torque to be applied safely by one MOS.





Success Story



CLOSER LINKS WITH REACTEC TO REDUCE HAND-ARM VIBRATION (HAV) RISK



Rail grinding operations are working closely with Reactec to monitor HAVs in real time to prevent HAVs breaches. Rail grinding is leading the field in HAVs monitoring within Colas Rail UK. Other 2023 projects that Reactec and rail grinding (in partnership) are developing are a lock out / tag out system that can be monitored 'on the cloud' in real time to ensure compliance!

RAIL GRINDING

The Rail Grinding business focused on risk & opportunities and designed various solutions to be rolled out in 2023

Due to an unfortunate incident in 2022 we have teamed up with Pristine Condition who are a specialist manual handling company. This is to reduce injuries caused in Rail Grinding operations and to prevent more in operations going forward.

Risk assessments and bespoke training material is nearly complete, due to be rolled out in 2023.

A biomechanics study proved that Pristine Condition MH training reduced risk factors for injury by up to 94% and muscle demand had been reduced by up to 73%.

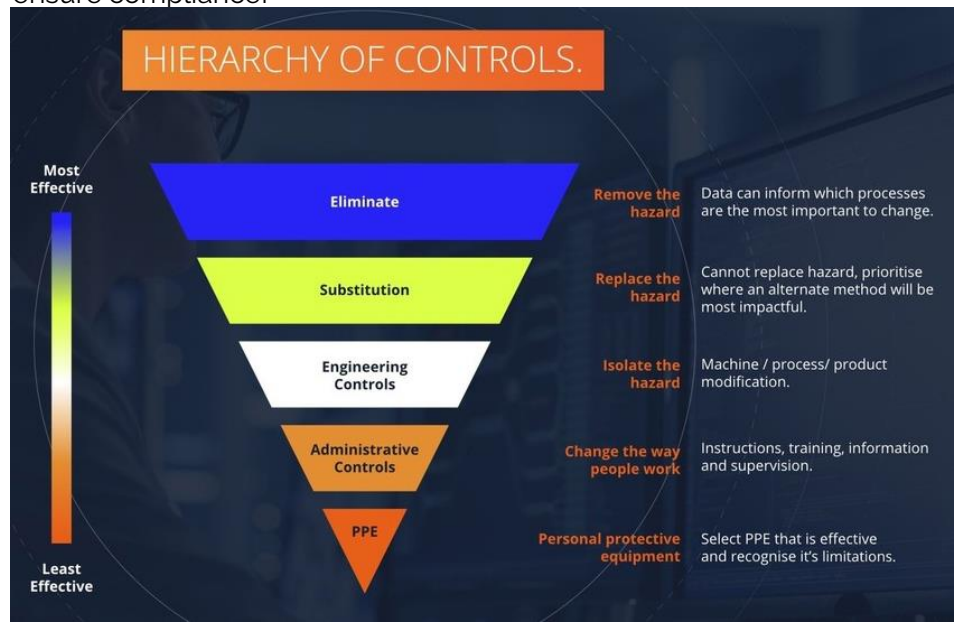


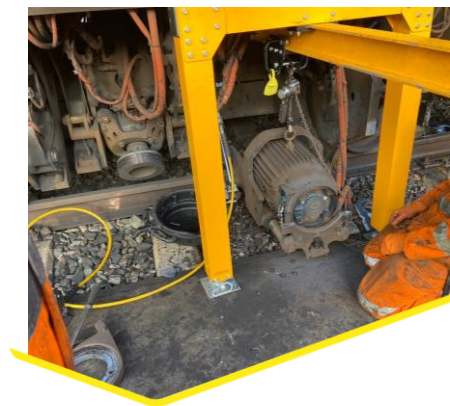
94%

Risk factors for injury reduced by up to 94%

73%

Muscle demand reduced by up to 73%





RAIL GRINDING: Best Practice

This lifting unit was designed due to the issue of lifting the grind motors in and out of its carrier. Previously we had to manually lift this motor (230kg) into position. The new lifting unit has removed most of the risk and it actually makes the job go a lot faster and safer.

We did have a few issues in design but we knocked our heads together and made some adjustments to the design. It has now been tried and tested and the reaction from the team has been really positive as they can see the benefit of the new lift and the chances of them being injured has greatly reduced.

We have now safely changed over 3 motors in the last month.



Rail Grinding operation is focused on supporting Mental Health in the work place. The team are currently working closely with St Johns Ambulance on 'Mental Health – Supportive Conversations' courses for operational staff and management team.

Mental Health - Supportive Conversations

Our supportive mental health conversations course gives managers the instinct to spot when someone needs to talk, teaches them to listen effectively, and equips them with the confidence to initiate an empathetic conversation about mental health. The course also covers the impact the Covid-19 pandemic has on mental health and teaches managers how to have supportive conversations around this.

NORTHWEST & CENTRAL OTMS – CAMERA INTERVENTION

Cameras are making a difference...

After being accused of a SPaD the Colas Rail driver requested the footage from the new Exeros camera system. The driver's innocence was proved and the incident closed - all within 30 minutes!



SAFETY THROUGH TECHNOLOGY

On 12th October 2022, an OTM was alleged to have had a SPaD on the approach to Crewe PAD as the SPaD alarm within the signal box had activated. The OTM was at a stand for the duration of the incident and therefore had not had a SPaD, the driver requested camera footage to prove the tamper did not pass the signal at danger.

The camera footage was locally downloaded and interrogated and showed the tamper remained stationary on the approach to signal GL9032

The camera system was able to exonerate the driver by supporting the driver's statement and providing key evidence of the alleged incident and within 30 minutes the incident was closed, a MOM was sent to site to check the track and the Colas Rail staff were able to continue with their duty.

WHAT WE LEARNT:

If the camera system had not been available and a SPaD alarm had sounded within the Signal Box, Colas Rail would have dealt with the incident as a SPaD until a full investigation was carried out to reclassify the incident. This would entail the driver being drug and alcohol tested shortly after the incident, which would have potentially put the driver out of action for up to 3 working days

WHAT WAS ACHIEVED:

The camera system was able to provide the footage to confirm the driver's statement of facts. The driver contacted the Head of Operations and Standards straight away to ask to interrogate the camera system. The Head of Operations and Standards contacted Incident Control and informed them video footage provided the evidence to show the tamper remained stationary throughout.

FINAL ACTIONS:

During the camera footage it was shown a Network Rail tamper passed the Colas Rail tamper on the adjacent line causing an interlock issue which triggered the SPaD alarm in the Signal box. Incident Control confirmed this type of incident had happened two weeks previously.

The camera system was pivotal in the rectification of this incident.



DRIVER CAMERA SYSTEM

With the aim of maintaining driver alertness and preventing driving incidents Colas Rail have fitted all their privately owned plant assets with a camera system known as the Driver Camera System.

The camera system is proven to help drivers stay alert and focused while driving; it detects driver distraction and tiredness and signals the driver through both visual and audible alerts within the driving cab.

In the event of an incident occurring the camera system can be an invaluable source of information that may contribute to our understanding of the causation of the incident. The cameras may be an invaluable source of information that can be used in the defence of driver post-incident.

The purpose of the camera fitment is to ensure preventative measures are in place to reduce, monitor, report and analyse fatigue-based incidents. The installation and implementation of the Driver Alertness Camera System will be vital to the successful implementation of Colas Rail's SPAD Reduction Plan (TO2-504).

WESTERN OTM'S: Close Calls Resolved

Effective staff engagement...

Direct feedback by Line Manager has resulted in ALL Close Calls being resolved promptly. Such a high level of risk ownership is making a big difference!



**Free to
be Safe**

Last year (2022) Tamperers – Western reported a total of **220 Quality Close Calls** on CARL which have **ALL been resolved and fed back** to the reporter. Over **50** of the Close Calls were actioned and resolved at the time of reporting.

The Western Team are risk aware and have an active engagement process with their line manager. The team actively look out for things that can harm them, and either remove the risk themselves or escalate via CARL. The line manager has built a strong working relationship with the local Network Rail delivery unit, and this is making a positive difference.

Since most issues are, by their nature, unexpected, thank you for ensuring they were dealt with quickly, effectively and had no impact on your wellbeing.

Thank you all for making the correct and safe decisions to ensure a safe environment to yourself and others.

SOUTHERN OTM'S: Safe Delivery

In 2022, the Southern Team continued to strengthen the team by increasing staff numbers and investing time and effort in engagement events. This included the following:



- We had 3 drivers passed out during the latter part of the year in Jim lock and Adam Vasiliou with Matt Gardner as recent as December.
- We have had 3x MSD join in 2022 in John Willard, Jason Muxworthy and Clive Whiting.
- Further driver training progressing following top results in Rules & Regs exams for both Alex Hill and David Stainer.
- Simon Brearley has recently recommenced his driving again and aim to have him passed out in the coming months.

Southern/Anglia team delivered all planned and late request works successfully against all odds, and will continue to grow stronger together.

STRATEGIC PLANT: Stronger Together

In 2022, the Strategic Plant Group had 3 staff members pass out with an NVQ level 5 in Appointed Person lifting operations

The team achieved a reliability award off Network Rail, and this was published in the Rail Staff magazine.

Body Composition Workshops:

Long term obesity, high blood pressure, poor diet while at work and low levels of exercise are a mix of factors which could lead to fatigue, lifestyle illnesses and low levels of engagement/concentration while at work. In turn this raises safety issues.

The SPG team invested in their health & wellbeing by working with the 7Futures health experts. The team's body composition results (after a period of 19 weeks between the original measures and the follow-up) showed improvement.

A total of **28.6%** measured have high body fat. **85.7%** measured improved their body fat percentage. In simple terms, a large percentage are well on their way to improving their health. Increased body fat scores correlate with a possible reduction in lifespan of between 5-20 years.

WELL DONE TEAM!



IMPROVEMENTS



FREIGHT SUMMARY

What Went Well:

New Contracts

SCO NR contracts

- NR Infrastructure Monitoring – 5 years.
- Extra RHTT Circuit in LNE region – Total of 4 circuits in 2022 vice 3 in 2021.

Commercial contracts

- Prax Petrochemicals - operating 19 trains a week on average.
- Land Recovery trial,
- Overall delivered over 0.5 million miles of Commercial Freight, with 4,800 commercial trains, 35% more than 2021.

Maintenance and Engineering

- Set up Locomotive maintenance depot at Westbury.
- Installed new welfare Facilities at Westbury, Carlisle, Hoo Junction and Eastleigh.

People and Structure

- New improved support structure (Planning and Control) helped create synergies.
- New driver terms and conditions to improve recruitment, staff retention and productivity.
- Recruited 4 Apprentices, 7 Trainee Drivers, and up-skilled 3 Ground Staff.

Westbury Maintenance and Welfare Upgrade



Carlisle Welfare Upgrade

Before



After



What Next:

Growth

- Deliver increased hours for SCO nationwide in 2023.
- Expand IM by incorporating Class 153 Video Inspection Units to eliminate Red Zone Working.
- Land Recovery – sign permanent contract.
- Grow existing Commercial contracts.

Capability

- Training and up-skilling staff.
- Site improvement at Baglan Bay and other timber loading locations.
- HVO fuel trial on class 56 locomotives.
- Completion of Doncaster siding project.

FREIGHT ENGINEERING - 2022

Westbury LMD – On going improvements to the maintenance shed and offices, such as wall mounted apparatus freeing up space, tooling boards for ease of access to tooling, improved emergency lighting in place, painting and décor improvements carried out (photos will be supplied), new office layout with IT improvements.

For 2023, Plans are to have Purpose built High access staging equipment (ordered), improved depot lighting, improved walkways from car park to offices and depot and improved security arrangements and equipment.

New staff – As a department we took on 3 engineering trainees, Jake Thorpe in Scotland, Andrew Davies in the Midlands and Cameron Barr in Westbury, additionally we've also taken on Scott Bradbury Team Leader Westbury, Neil Holmewood Technician, Westbury, Joe Loughlin, Mobile Maintainer also at Westbury and David Segge, Mobile Maintainer at Carlisle. All have fitted in and progressing well with the teams.

Engineering – The first Class 70 main engine removal from loco carried out, engine refit is progressing, 70804, out of service for 2 years, major repairs carried and back in service and running reliably well, General Repairs and Overhauls (GRs) completed on 2 timber wagons and is on going for 2023. The teams were involved in the servicing and maintaining of the RHTT trains and locomotives at 3 locations this year contributing to the 100% performance during the season. Scots based team regularly carrying out exams at locations throughout Scotland and the North, from Aberdeen to York.

Safety – Dare I say it but we had no lost time accidents reported in 2022, and the challenge for 2023 will be that we maintain this record and improve our overall safety record.



PROCUREMENT'S KEY SUCCESSES IN 2022:

- £7.1 Million Impact
- 198 Contracts signed
- 40% of spend with SME suppliers
- 551 Sustainability Agreements Signed
- 201 Projects completed
- 226 Legacy suppliers re-approved
- 42 Tonne of carbon reduction
- 40 Supplier Meetings held
- 29 Day (61%) reduction in project turnaround time
- 381 Supplier packs processed
- 6000 Orders created
- £1million of duplicate payments refunded
- 560 Supplier Insurance Records updated
- All Modern Slavery Statements Updated
- 98% of spend covered by an active contract
- Colas Rail Uniform and PPE Contract Awarded
- Copernic Implementation
- ISO9001 Audit Passed
- Colas Rail Hotel & Travel Booking Contract Awarded
- In-Cab Camera Project Roll-out
- Tamper Purchases and Regulator Delivery
- ERTMS project launched
- 4 Months of Finance Assistance provided to catch up following the Copernic roll out
- Water Machine and Pest Control Framework Agreements Negotiated
- Process implemented for approval of suppliers every 3 years

WELL DONE TEAM!

ROLL ON 2023

LET'S LIVE BY OUR VALUES

GET IN TOUCH



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