

# Sharing good practice 2026

WAYS TO MAKE YOUR WORKPLACE HEALTHIER  
AND SAFER - ELIMINATING 'THE FATAL 6'





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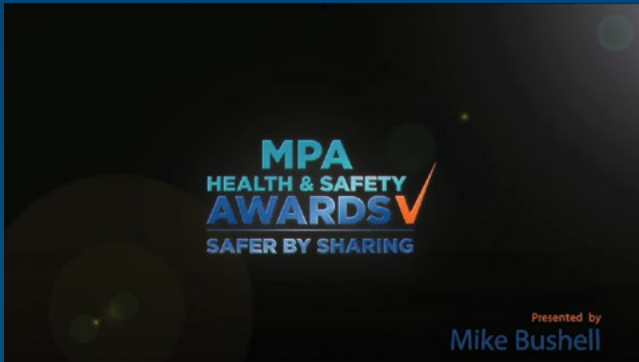
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**Revolutionising Health at Work**  
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# How to use the Sharing good practice guide

The theme of 2026 Health and Safety Awards was 'Safer by Sharing'.



## PLEASE – HELP TO EMBRACE THIS CORE VALUE

By sharing the ideas and innovations presented in this publication with your colleagues, contractors, suppliers or anyone else who can contribute to making your workplace a safer and healthier environment.

By helping to celebrate and recognise the success of the individuals, sites and organisations featured in the publication by sharing within your organisation and key stakeholders.

## ASK YOURSELF THESE QUESTIONS

- Which of these ideas or innovations could be applied or adapted to mitigate a risk at our site/sites?
- Who in my organisation needs to be aware of this?
- What will I do to facilitate the sharing of these ideas and innovations?
- What will I do to help them to be implemented within my organisation?

## WATCH THE VIDEOS TO FIND OUT MORE

The video symbol means that a short video provides more information about the entry. The videos show the individuals directly associated with its implementation. The videos can be viewed in the following ways;

1. By clicking on the symbol if viewing a digital version of this publication.
2. By going to Safequarry and looking for it in the 'Good Practice' section.
3. By going to the MPA's YouTube channel – MineralProducts1

## REVIEW AND CONSIDER IMPLEMENTING THESE SUGGESTIONS

- Ensuring all site managers and supervisors have access to a hard copy (copies can be ordered from [david.yelland@mineralproducts.org](mailto:david.yelland@mineralproducts.org)) or digital version of this publication – ask them to look through it.
- Using one or more of the entries as a basis for a toolbox talk or on-site safety discussion.
- Leave a copy in a messroom, restroom or other location where people may have time to browse through the publication.
- Ask your team to review and select one idea that could be implemented or adapted on your site/in your company.
- Give a copy of the publication to any of your employees who is featured or was part of the team that was responsible for the innovation or its implementation.
- Encourage your colleagues to look at the Safequarry website or App, or review some of the Guides from previous years.



**VISION ZERO**  
SAFE & WELL EVERY DAY

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## 'Safer by Sharing'

The mineral products industry's Health and Safety Awards is a highlight of the MPA events calendar, a culmination and celebration of members' outstanding actions, initiatives and innovations that have made working environments safer and healthier.

The awards reflect a core principle of MPA's approach to health and safety: we are all 'Safer by Sharing'.

This principle sits at the heart of Vision Zero, MPA's strategy to eliminate the most serious incidents and raise health and safety standards across the industry.

By sharing practical ways to improve workplace safety, we help ensure that everyone goes home safe and well every day.

Drawn from every part of the mineral products industry – from small single-site operators to large companies – the entries in this Guide showcase improvements, innovations and working practices that have enhanced staff wellbeing, influenced individual behaviour and organisational safety culture, and helped engineer out or eliminate hazards linked to one or more of 'The Fatal 6'.

A recent workshop with senior managers and H&S experts from across the industry reviewed the progress made in the first five years of Vision Zero. Participants unanimously agreed that sharing good practice and learning from incidents are essential to making our workplaces safer and healthier. I am confident that organisations adopting or adapting innovations first highlighted in the MPA Health and Safety Awards have helped save lives and prevent serious injuries.

I hope this Guide inspires you to consider how its ideas could be applied or adapted to make your own operations safer.

Please share this publication either in hard copy or digitally with your colleagues and take time to watch the videos which are available via [Safequarry.com](https://www.safequarry.com), the MPA's [YouTube channel](#) or the links embedded in the digital version of this Guide.

As we enter the sixth year of Vision Zero, I urge you to continue supporting Vision Zero and our work to eliminate 'The Fatal 6'. Many MPA members have already embedded Vision Zero's core values in their organisations, while others have adapted and strengthened them to align with their strategic health and safety priorities.

Work is now underway to update the KPIs that will help focus our efforts and track future progress towards ensuring that 'everyone goes home safe and well every day.' Please continue to support Vision Zero and adopt these new KPIs once they are finalised.

**We are all 'Safer by Sharing'**

**MPA Chair and Managing Director of CEMEX UK, Lex Russell**



Lex Russell

## The Awards

**This Guide is a compilation of the winners and finalists from the MPA Health and Safety Awards 2026.**

They outline the solutions that MPA companies, contractors and suppliers have applied to minimise and, where possible, eliminate health and safety risks arising from their daily operations across all sectors of the mineral products industry.

The digital version of the Guide also includes links to short videos that show the innovation or new process in action, and interviews with site operators talking about the benefits that have been realised.

In addition to the seven topics, winners of other MPA awards are also highlighted in this publication. A common theme of all the entries was the application of some, or all, of the Vision Zero values.

- Seven Topic Awards
- John Crabbe Award
- Sir Frank Davies Award
- Outstanding Contractor
- Individual Recognition
- Young Leader Award
- 'The Fatal 6' Award
- The Eurobitume Award



## 133 entries from 32 companies

MPA would like to thank its members, contractors and suppliers who submitted entries:

AABC Bagging Ltd  
AC Plant Glazing Ltd  
Banner Contracts  
Breedon Group  
Brett Group  
British Sugar  
Buxton Lime Ltd  
Capital Concrete Limited  
CEMEX

Chepstow Plant International Limited  
ConSpare Ltd  
CPI Mortars  
Creagh Concrete Products  
Day Group  
Dragon Asphalt Ltd  
Forterra PLC  
GRS Group

Heidelberg Materials  
Hills Quarry Products Ltd  
Holcim UK  
Ibstock PLC  
Imerys Aluminates Ltd  
John Wainwright & Co Ltd  
Lhoist UK  
Mansfield Sand Co Ltd  
Marshalls PLC

Patersons Quarries Ltd  
Raymond Brown Group  
Sibelco  
Smith & Sons (Bletchington) Ltd  
Spillard Safety Systems Ltd  
Tarmac

# Sponsors

MPA would like to thank the suppliers to the industry who have sponsored both our awards ceremony and this publication. The main sponsor is Latus Group. Individual sections show the companies which have sponsored them.

The logo for Latus Group, consisting of the word "LATUS" in a blue, sans-serif font with wide letter spacing.

[www.latusgroup.co.uk](http://www.latusgroup.co.uk)

## **Latus Group Main Sponsor**

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<https://certoratraining.co.uk>

## **Certora Training Services**

### **Sponsor: Safer together**

Equipment Operator and Safety Training. Certora Training is the UK's leading provider of equipment operator training, qualifications and assessments. Our dedicated teams are committed to supporting our customer's individual or business training needs in a range of sectors from Construction to Waste Management, with courses catering for all experience levels under major accredited bodies including IPAF, PASMA, NPORS, MPQC and CIWM.



[www.eurobitume.eu](http://www.eurobitume.eu)

## **Eurobitume**

### **Sponsor: Eurobitume Award**

Eurobitume is the voice of the European bitumen industry, educating and promoting the efficient, economic, effective, safe and sustainable use of refined bitumen in road, industrial and building applications.



[mpconnect.co.uk](http://mpconnect.co.uk)

## **MP Connect**

### **Sponsor: Outstanding Contractor**

MP Connect is a digital platform and "one-card" solution designed for the mineral products and extractives industry. Created by the Mineral Products Qualifications Council (MPQC), it replaces traditional paper certificates by storing and verifying a contractor's or driver's training, qualifications, and site access permissions in one place.



[www.mp-qc.org](http://www.mp-qc.org)

## **MPQC**

### **Sponsor: Young Leader award**

MPQC's purpose is to fulfil the extractive sector's need for a safe, competent and sustainable workforce through the setting and maintaining of standards and qualifications, ensuring quality training and assessment.



[www.reecesafety.co.uk](http://www.reecesafety.co.uk)

## **Reece Safety**

### **Sponsor: Safer maintenance & housekeeping**

At Reece Safety, we are passionate about providing the most comprehensive range of high quality, life critical safety products available on the market today and into the future. Our wealth of specialist knowledge and expertise ensures that we consistently deliver excellent levels of service to all our customers. Reece Safety has been supplying Lockout Tagout Equipment for over 20 years.

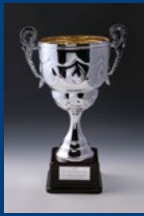


[www.stastrailers.co.uk](http://www.stastrailers.co.uk)

## **STAS Trailers**

### **Sponsor: Safer transport and logistics**

STAS Trailers Limited are the UK's sole supplier of new STAS trailers in the UK. We are specialists in the manufacture and supply of Moving Floor and Tipper Trailers throughout the UK and Europe. Want to find out more? Call our experienced and knowledgeable Sales Team on 01254 205767 or email [sales@stastrailers.co.uk](mailto:sales@stastrailers.co.uk) for further information on the full STAS trailer range.



# John Crabbe Award



**This award is made to a MPA member company with over 250 employees that has achieved an outstanding health and safety performance.**



## WHAT THE JUDGES SAID

The judges said that Lhoist had been selected for the John Crabbe Award because they felt that ***'it had set a benchmark for others to follow in championing health, safety and wellbeing and demonstrating what an adherence to the Vision Zero values looks like in practice'***



Lhoist introduced an H&S Management & Supervisory Development Programme, a 12-month initiative designed to transform the health and safety culture and performance across its UK operations. Developed in response to its employees' feedback and aligned with its "One Team" approach, the programme aimed to empower managers and supervisors, foster leadership, and drive sustainable improvements in workplace safety and wellbeing.

Highlighted below are the ways in which its actions reflect the 6 core values of Vision Zero, this was also further reinforced by its entry 'Stay Safe Campaign', a programme focused on specific high-risk incidents at its Whitwell location, the entry is summarised in 'Topic 7 – Safer Together' on page 66 of this guide.

## EMPOWERMENT:

The programme placed empowerment at its core, equipping 17 managers and supervisors with the knowledge, skills, and confidence to take ownership of H&S on-site. Each participant was encouraged to challenge unsafe practices and implement improvements, with the right to stop any job if safety was in doubt. This was reinforced through practical workshops, coaching, and real-life project work, ensuring that empowerment was not just a principle but a daily practice.

## ENGAGED, VISIBLE, AND CONSISTENT LEADERSHIP:

Leadership commitment was demonstrated through active involvement in the programme's design, delivery, and review. Senior leaders participated in workshops, provided coaching, and celebrated achievements at the final graduation event. The programme's structure – combining face-to-face workshops, group projects, and ongoing support – ensured that leadership was visible and consistent, modelling the behaviours expected of all staff.

**ZERO TOLERANCE OF UNSAFE WORKING CONDITIONS:**

A key focus was on identifying and addressing unsafe conditions. Projects such as the Whitwell review of risk assessments for vehicle off-loading directly tackled historical safety challenges, leading to the implementation of a new, shared UK system for risk assessment management. This proactive approach demonstrated zero tolerance for unsafe practices and a commitment to continuous improvement.

**HIGH QUALITY IMPLEMENTATION:**

The programme was meticulously structured into six phases: Planning for Success, Impactful Communication, Effective Risk Management, Learning & Sharing, Behavioural Change, and Proactive Performance Management. Each phase included pre-work, workshops, projects, and coaching, ensuring clarity of expectations and high-quality, practical implementation. Initiatives were designed to be simple, effective, and sustainable, avoiding “box ticking” and focusing on real impact.

**COLLABORATION AND SHARING:**

Collaboration was embedded throughout the programme, with participants working across sites, sharing best practices, and learning from each other. The final graduation at Tarmac’s Safety Park provided an opportunity to share achievements with peers from a similar industry, further reinforcing a culture of openness and shared learning. The programme also fostered collaboration with supporting departments and external training providers.

**COMPLIANCE:**

All activities were designed to meet or exceed legal and regulatory requirements, as well as internal and MPA policies. The programme’s emphasis on risk management, root cause analysis, and compliance tools ensured that participants were equipped to maintain world-class standards on-site. It was important that the course was also recognised. Therefore, the course was approved to be MPQC accredited and externally verified.





# Sir Frank Davies Award



The Sir Frank Davies Award is awarded to a company with fewer than 250 employees that demonstrates excellence in health and safety performance.



### WHAT THE JUDGES SAID

*'Smiths' focus on the health, safety and wellbeing in terms of organisational structures, resources and initiatives will have a sustainable impact on their employees both in their work and home lives.'*

Over the last five years, Smiths has engaged in a multi-faceted and holistic approach to improving the health, safety and wellbeing of its workforce. This is summarised in its entry to **Topic 6 – Safer through improvements in health and wellbeing that is on page 56** of this guide. Demonstrates strong leadership and pro-active engagement of the workforce.

These images provide a taste of some of the initiatives that Smiths have pursued that have contributed to its success.

**FREE 24-hour Independent & Confidential Helpline 0800 0280199**

## Wellbeing Team

 Alfa Saunders al@smithsbletchington.co.uk 01783 527 571	 Curt Smith cs@smithsbletchington.co.uk 01783 675 221	 John Bell jb@smithsbletchington.co.uk 01783 680 233	 Mandy King mk@smithsbletchington.co.uk 01783 680 233	 Ben Woodford bw@smithsbletchington.co.uk 01783 475 807	 Steve Robinson sr@smithsbletchington.co.uk 01783 680 233
 Nigel Upton nu@smithsbletchington.co.uk 01783 525 121	 Nikki Dunn nd@smithsbletchington.co.uk 01783 373434	 Paul Needle pn@smithsbletchington.co.uk 01783 277 564	 Richard Simpson rs@smithsbletchington.co.uk 01783 680 233	 Stegh Starway ss@smithsbletchington.co.uk 01783 680 233	 Wayne Harries wh@smithsbletchington.co.uk 01783 680 233
 Nick Smith ns@smithsbletchington.co.uk 01783 280 183	 Hannah McEvoy hm@smithsbletchington.co.uk 01783 680 233	 Lee Townsend lt@smithsbletchington.co.uk 01783 680 233	 Dan Macdonald dm@smithsbletchington.co.uk 01783 680 233		

**Providing support to colleagues**



Health, safety and wellbeing focus day – Elite Force



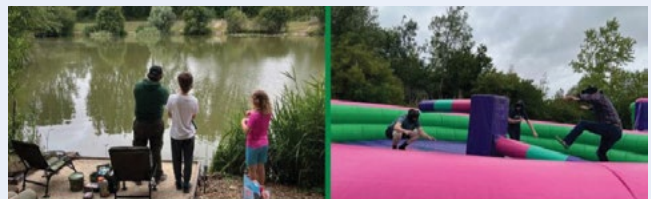
Supporting charity events



Smiths contribute to employee's charities



Walk for Willow – supporting colleagues



Family events



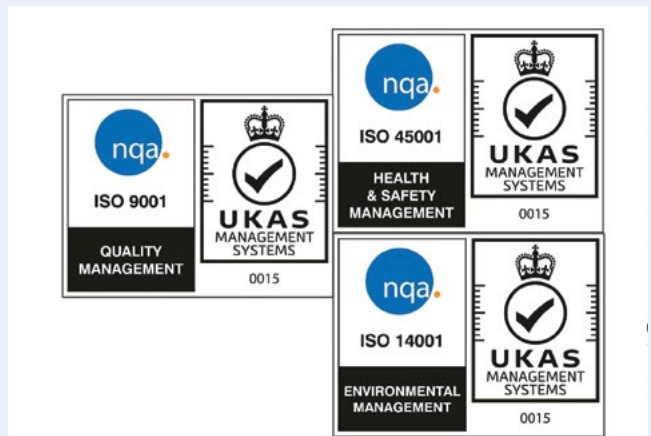
Supporting National Suicide Prevention Day



Lighthouse charity visit Gill Mill Quarry



30 days – 30 people – 8 million steps challenge



Achieving accreditation to ISO standards

# VISION ZERO

## SAFE & WELL EVERY DAY



## Vision Zero – Maintaining the momentum six years on.



**Chris Leese, Executive Chair of the Mineral Products Association, reflects on achievements, future action and his passion for the core values that are at the heart of Vision Zero.**

Six has become closely associated with Vision Zero over the six years since its launch. By bringing together 6 core values, 6 strategies and 'The Fatal 6', it provides a holistic approach to managing the health, safety and wellbeing of our workforce.

Vision Zero focuses attention on 'The Fatal 6' – the hazards responsible for 94% of fatalities in our industry. At its core are 6 values, which have the potential to transform an organisation's safety culture when fully adopted. The 6 strategies set out the actions needed to put these changes into practice.

### Progress and achievements

The mineral products industry has made significant progress in strengthening its health and safety culture and influencing individual behaviour as these core values have become embedded. There is now greater focus on the health, wellbeing and working environment of employees and contractors. It has been rewarding to see so many initiatives associated with mental health and comprehensive approaches to wellbeing that embrace both an employee's work environment and extra-curricular activities. Organisations have also invested heavily in developing directors, managers and supervisors as effective leaders of health and safety improvement.

Across the industry, new processes and innovations have been introduced to eliminate or reduce many of the hazards linked to one or more of 'The Fatal 6'. Many of these are featured in videos on MPA's YouTube channel, in MPA's sharing good practice guides and on [Safequarry.com](https://www.safequarry.com).

Although some progress has been made in learning from high-potential incidents experienced elsewhere, there is still considerable scope for improvement. I hope the barriers to sharing and applying this learning can be identified and removed.

MPA has established a working group for each of 'The Fatal 6'. These groups have developed new guidance, recommendations and resources to help the industry tackle their causes which are accessible via [Safequarry.com](https://www.safequarry.com).

Many organisations have fully adopted Vision Zero, while others have adapted and strengthened it to suit their own needs. Together, these initiatives have helped prevent many fatalities and serious injuries. However, it is vital that the industry maintains this momentum.

### Maintaining the momentum

At the end of 2025, senior managers and health and safety specialists from across the industry reviewed the progress of Vision Zero and, more importantly, discussed how to build on its success and accelerate progress towards its ultimate goal: **everyone going home safe and well every day.**

Participants unanimously agreed that sharing knowledge and learning from one another has been vital in driving many of the changes that have made workplaces safer and healthier. 'Safer by Sharing' will therefore remain a core ethos and value for the industry. In practice, this will be supported by MPA members through:

- Submitting entries to the MPA Health and Safety Awards.
- Reporting more high-potential incidents.
- Taking part in MPA H&S events.
- Taking part in MPA Safety Days.
- Engaging with MPA's 'Safer by Sharing'.
- Engaging with MPA's 'Exchanging Places'.

The workshop also examined the activities considered most effective in helping to eliminate the hazards associated with 'The Fatal 6'. These were identified as:

- Creating proactive H&S improvement plans.
- Running audit programmes focused on controls for 'The Fatal 6'.
- Developing managers through effective H&S leadership training.
- Embedding Vision Zero's core values into H&S culture.
- Developing effective KPIs to measure Vision Zero's impact and the actions that support it.

Many other supporting or complementary activities sit within one or more of these key actions. MPA will work with its members to refine the workshop findings and develop appropriate KPIs and recommendations for the industry in 2026.

I believe Vision Zero, and the commitment of MPA members to embed its core values within their organisations, can drive transformational change in our industry's ability to protect the health and safety of its workforce.

Everyone who has contributed to the development and implementation of vision zero should be proud. I hope that, within the next five years, it will help the mineral products industry be recognised as a leader in protecting the health, safety and wellbeing of its workforce in a demanding environment. More importantly, it will contribute to a significant further reduction in fatalities and serious injuries across all sectors.

# One Vision, One Outcome, Everyone, Safe & Well Every Day

## 6 values to keep everyone safe



### Empowerment

Every worker has the right to stop any job if concerned it may be unsafe or unhealthy to continue.



### Engaged Visible and Consistent Leadership

Committed to achieving the vision of Zero Harm.



### Zero Tolerance of Unsafe Working Conditions

That pose a significant risk of injury or to health.



### High Quality Implementation

Developing clear health and safety principles, clarity of expectations, clear simple smart initiatives, no 'box ticking'.



### Collaboration and Sharing

Building effective relationships & sharing knowledge and good practices.



### Compliance

As a minimum with legal/regulatory requirements and MPA policies and aspiring to world class.

## 'The Fatal 6'

Analysis has identified six high consequence hazards in the mineral products industry that account for 94% of all fatalities.

MPA has set up a working group for each theme. They are tasked to develop recommendations and resources to help the industry to eliminate the causes of 'The Fatal 6'.

Information about the 'The Fatal 6' and the resources available to help mitigate them are all accessible on 'The Fatal 6' section of Safequarry.

- 1 **Contact with moving machinery and isolation**
- 2 **Workplace transport and pedestrian interface**
- 3 **Work at height**
- 4 **Workplace Respirable Crystalline Silica**
- 5 **Struck by moving or falling object**
- 6 **Road Traffic Accidents**

**Mitigating high consequence hazards**

## Resources explaining Vision Zero



3 Powerpoints



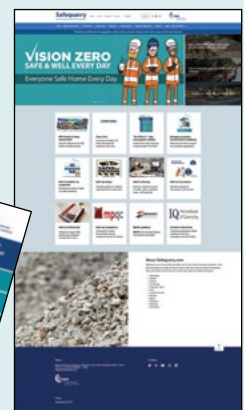
4 videos



Employee Guide



Reminder card



Safequarry website

# Individual Recognition Awards

These awards acknowledge the important and critical role played by people in the workplace. These are the individuals who make things better for everyone. Nominated by their companies, these people are the industry's health and safety heroes. Their nominations may have been based on one or more of these achievements.

- They have played a pivotal role in the delivery of a H&S initiative.
- They made a material difference in the outcome of an incident or event.
- Obtaining qualifications or completing training in health and safety.
- Their role in supporting colleagues in respect of health, safety and wellbeing.
- Their willingness to share their knowledge and expertise.
- Their leadership either by example or other actions.
- Their behaviour reflects the H&S values in Vision Zero.

**12 individuals have been nominated for special recognition by their companies. This is what they said about them.**



**Jared Buston and Stanley Dadson**

**Brett Group  
Maintenance Dual  
Skilled Engineers**

*"Jared and Stanley were jointly recommended because they both questioned processes with their supervisor, then worked collaboratively to improve safety processes, demonstrating empowerment."*



**Nick Childs**

**Tarmac  
HSE Manager – Cement  
& Packed Products**

*"Recognised for identifying an improvement opportunity within investigation process and implementing an empathic guide which allows application during periods of heightened stress."*



**Darrin Hewings**

**Sibelco  
Supervisor Quarry**

*"Nominated for his exemplary commitment to ensuring, safety, dignity and continued professional contribution of an experienced mobile plant operator following life changing injury challenges."*



**Chris Hill**

**Tarmac  
Assessor / Trainer**

*“Recognised for consistently prioritising safety and development of individuals in high risk environments over his 33 years in industry with renewed dedication to the future of industry through critical training.”*



**Mike McGee**

**Tarmac  
Senior Site Manager**

*“Recognised for his efforts in improving contractor safety engagement .”*



**Mark Huffman**

**Tarmac  
Yard Manager**

*“Recognised for their commitment to safety concern investigations and resolutions.”*



**Dominic Mooney**

**British Sugar  
Head of Safety, Health and Environment**

*“Recognised for his continued efforts in embedding sustained behavioural change, resulting in reduction in injury rates and positive cultural shift.”*



**Asya Jackson**

**Brett Group  
Production & Safety Administrator**

*“Recognised for delivering a high quality training and competency matrix in line with Vision Zero strategy.”*



**James Simmons**

**Tarmac  
Logistics Manager**

*“Recognised for driving leadership, continuous improvement and team collaboration and empowerment across their organisation in a way which challenges safety standards.”*



**Carlos Martins**

**Heidelberg Materials  
Relief Plant  
Supervisor**

*“Recognised for their commitment to safety performance and safer ways of working.”*



**Benn Warren**

**Brett Group  
Operations Manager  
(Suffolk)**

*“Recognised for supporting colleagues, team collaboration with safety at the forefront... always supportive of a STOP decision.”*

# Outstanding Contractor

Recognising a contractor's outstanding achievements in health, safety and wellbeing

sponsored by



## Why the judges selected Walters

The judges felt that Walters best describes an exemplary client/contractor relationship where the contractor is recognised as the expert in their field who not only brings their own strong values but also integrates them with their client's own procedures and protocols.

The entry highlighted the frequency and willingness of the Walters' employees to engage in positive safety conversations. It was evident that the relationship was built on mutual respect with their behaviours demonstrating the Health and Safety Values in Vision Zero.

## Why Tarmac selected Walters

Walters have played a pivotal role in supporting Tarmac colleagues across the Southwest and Wales Region. Their contribution has been marked by a high level of professionalism, technical expertise, and a strong alignment with Tarmac's core safety values and strategic frameworks.

Their deep understanding of mobile plant and equipment, combined with their extensive industry experience, has fostered a collaborative and productive working relationship with site teams throughout the region.

The behaviour and attitude of Walters' management team and site operatives reflect a strong alignment with Tarmac's Health & Safety values. Their respectful engagement, willingness to collaborate, and consistent adherence to safety protocols contribute to a positive and inclusive safety culture. Walters'

teams have been empowered to challenge unsafe practices, report near misses, and continuously seek improvement – core principles of both the MPA's 'The Fatal 6' and Tarmac 'Focus 5'.

Walters' operatives and management teams possess an intimate knowledge of the sites and operational environments in which they work. This familiarity has proven invaluable in supporting site management teams, particularly in identifying and mitigating risks associated with mobile plant operations. Their proactive engagement and willingness to share insights have helped enhance operational efficiency while maintaining a strong focus on health and safety.

A key area where Walters have added significant value is through their active participation in Tarmac-run Contractor Forums and Site Supervisor Forums. These sessions, where Walters provided mobile plant and equipment alongside experienced trainers, offered an invaluable learning opportunity for Tarmac supervisors. The interactive nature of these forums helped elevate supervisors' understanding of mobile plant operations, including the challenges faced by plant operatives such as visibility restrictions, site awareness, and communication protocols.

In terms of health and safety performance, Walters have demonstrated a commendable track record. Their alignment with Vision Zero is evident not only in their incident statistics, but also in their everyday behaviours and decision-making processes. By fostering a culture where safety is prioritised and embedded into every task, Walters have helped drive continuous improvement and reduce risk across Tarmac sites.

**VISION ZERO**  
**SAFE & WELL EVERY DAY**



# Topic 1

# Safer production



**This award covers extraction, manufacturing and processing for all product groups.**

- A new innovation or engineering solution.
- New systems or control measures.
- A change in a process or procedure.
- New warning system or training programme.
- Investment in new plant.



<b>WINNER</b>	
<b>Tarmac</b>	'Safe Hands' and 'Safe Eyes' Campaigns
<b>FINALISTS</b>	
<b>Chepstow Plant International Limited</b>	Eliminating work at height when refuelling excavators
<b>Tarmac</b>	Isolation try out point next to mixer point
<b>HIGHLY COMMENDED</b>	
<b>CEMEX</b>	Triton – whole vessel monitoring system
<b>Heidelberg Materials Ltd</b>	Yellow Rock Poke Yoke
<b>Day Group</b>	Safer and more accurate sampling of processed glass
<b>Day Group</b>	Improving safety in bulk bag handling
<b>Holcim UK</b>	Quarry off road truck
<b>Holcim UK</b>	Installation of automatic hot meal sampler to eliminate handling and transport of hot meal
<b>Forterra PLC</b>	Winch operation for pulling prestressed wire
<b>Heidelberg Materials Ltd</b>	Dust suppression & wash down
<b>Lhoist UK</b>	Advanced fire detection system in coal mill operations – integrating thermal imaging, flame & smoke detection
<b>Ibstock PLC</b>	Anstone automated splitting and pitching machine – eliminating manual handling risks through full automation
<b>CERTIFICATE OF MERIT</b>	
<b>Holcim UK</b>	Reduction of exposure to dust in the mould department
<b>Heidelberg Materials Ltd</b>	Enhancing health & safety in concrete production through remote batching technology
<b>Breedon Group</b>	Interim 'Face Angle Compliance Project'
<b>Brett Group</b>	Cement terminal loading bay enhancements
<b>ConSpare Ltd</b>	Production board cleaning innovation – Reducing circulation of dust throughout factory, improving safety for workers
<b>Creagh Concrete Products</b>	Cantilever podiums
<b>Forterra PLC</b>	Driving compliance and safety in industrial gas infrastructure



**WINNER**  
**TARMAC**

Tying shoelaces one-handed

## Safe Hands and Safe Eyes Campaigns

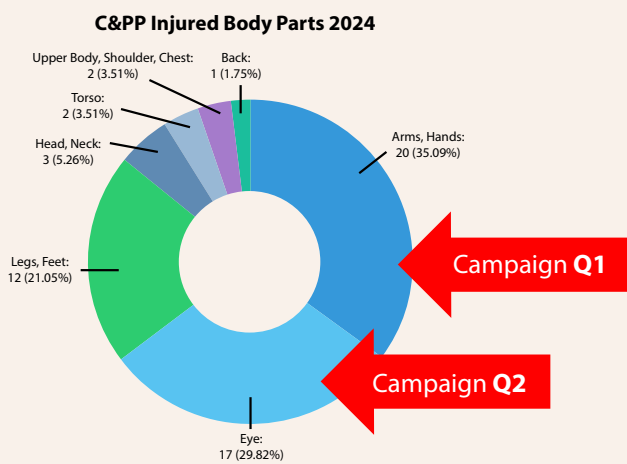
Tarmac > Cement and Packed Products > Aberthaw Cement Plant



### DESCRIPTION

In 2024 over 50% of injuries sustained by all workers across Tarmac Cement were to their hands or eyes. As part of the 2025 UK Annual HSE Plan, Tarmac developed and delivered a focused interactive campaign to raise awareness of the risks and safety controls for routine work.

The image below shows the analysis of the 2024 data. The injuries varied in severity from minor first aid cases through to accidents with lost time.



Detailed below are some of the crucial elements of the multi-faceted campaign that Tarmac developed which incorporated several key critical success factors:

- To be engaging, interactive and practical.
- To resonate with the workforce.

- To have an impact on the mindset of process workers prior to commencing a task.
- The results must be measurable.

The primary objective was to run a focused campaign that would change behaviours and mindsets, targeting the types of incidents that caused injuries to hands and eyes. After consideration, it was decided to run two separate campaigns.

The campaigns were applicable to all workers including HGV drivers and contractors. Central to the success of the campaigns was the ability of Tarmac’s advisors and supervisors to deliver the materials and activities effectively to the workforce.

The materials produced for the campaign were based around the ‘Hierarchy of Controls’, ensuring a focus on the mindset and hazard perception of workers both prior to commencing and whilst undertaking the task.

The resources were based on the types of injuries sustained across 2024 and included graphic images, a focus on the consequences of these types of injuries and how this would impact day to day life.

### Activities

Several practical and interactive scenarios were undertaken to help illustrate the potential impact of an accident; examples of these activities are shown below:

- Bandage one hand and tie shoelaces.
- Use only one hand to complete routine tasks such as write a letter.
- Demonstrating the difference between glove types on the cut resistance scale.



- Making a paper aeroplane blindfolded.
- Organising a team of people into height order whilst blindfolded.

**Videos** – Multiple videos were used including the following:

A Tarmac apprentice who recently fractured a finger, explaining how and why it happened, and what he would do differently next time.

A contractor who sustained a serious injury when a pressurised discharge hose disconnected causing cement to enter his eyes. The video included his wife speaking about the impact of the injury from her perspective.

**First Aid Drills** – Local teams practised emergency first aid drills specifically linked to hand and eye trauma.

**Posters and additional resources** – Posters reinforcing the campaign were displayed across all sites and documents that assisted with hazard assessments were produced.

**External speaker** – The final element, specific to the Safe Hands campaign, was an external speaker, Paul Mahoney who had been involved in a serious incident several years ago losing the use of his arm in a screw conveyor. Paul took the team through the impact this had in relation to both his working and personal life. This was recorded so that it could also be shared with those who were unable to attend the event.

**Apprentices** – The Aberthaw site team set up additional sessions with the apprentice and graduate community to have further in-depth discussions about the risks and controls across their plant relating to the campaigns.

**BENEFITS**

- Enthusiastic engagement from all sites.
- Site teams really taking on the initiative to further enhance the delivery of the campaign.
- Very positive feedback and pro-active involvement.
- Significant reduction in injuries to hands.
  - Comparing the 4 months prior to the campaign (9 injuries) to the 4 months following its implementation (1 injury).
- Whilst it is too soon to measure the long-term benefits, the early signs are positive.
- The Safe Eyes campaign has received equally positive feedback.
- Changes in behaviour and improved health and safety culture.
- More frequent and conscious conversations taking place between operators around eye and hand safety.
- Improved PPE compliance with both safety gloves and safety glasses.
- A wider ranging use of anti-cut safety gloves for standard wearing.

- Employees suggesting changes to equipment design or process to eliminate hazards.

**DEVELOPMENTS AND TRANSFERABILITY**

The approach taken with the campaigns has been innovative when compared to Tarmac’s standard approach to safety briefings. With the primary emphasis on the recipients preferred methods of engagement, Tarmac designed the campaigns focusing on interactive activities, video messaging, posters, external speakers and practical demonstrations of the benefits. This has been a key factor in affecting the mindset and individuals taking on the personal responsibility for themselves and others.

In summary the campaigns aimed to convince the teams why they should change rather than tell.

This enhanced approach to communicating critical safety messages and introducing an element of fun via the activities, has produced a long-lasting and more memorable impact. Tarmac will continue with similar formatted campaigns next year.

The campaign-based approach is relevant to all organisations; it is an effective method to drive engagement with the workforce, helping to raise awareness of risks and influence behaviours. Moreover, it helps to highlight concerns from the workforce that may otherwise not have been reported and facilitates the involvement of a team in discussing potential solutions.

This approach and the materials have been shared across the wider Tarmac business, additionally its application is not limited to the construction sector as it could apply to all other industries.





# Joint 'The Fatal 6' Award Winner

## Eliminating work at height when refuelling excavators

**Chepstow Plant International Limited**



Adding AdBlue at ground level

### DESCRIPTION

The provision of fuel and AdBlue to excavators historically involved work at height. The MPA statistics from 2014 -2022 show that 17% of the fatal injuries related to falls from height.

Daily refuelling of both fuel and AdBlue are carried out on all sites. The work is physically challenging due to ground and weather conditions, the slippery nature of any spilled fluids, all factors which can lead to a significant risk of slips, trips and falls, particularly when lifting or carrying hoses or drums whilst climbing on machines. Refuelling operations are sometimes carried out at times when the machines are parked, often at break times or outside operational hours, exposing the operator to the hazards of lone working.

In 2020, an employee of Chepstow Plant International slipped from a walkway while refuelling and broke a rib. As a result, the company set up an initiative to look at elimination of the work at height element from its refuelling operations. The provision of ground level diesel addition was already in train with manufacturers, but the AdBlue addition process, involving identical risks, had not gained any traction.

Chepstow's engineering manager, together with the team of field service engineers, developed a prototype device for the AdBlue system to allow delivery at ground level. The fuel delivery cart was modified to dispense AdBlue into this prototype. The system was installed to facilitate one person adding AdBlue from ground level.

In May 2022, discussions were held on a global platform with Volvo and SMT to challenge them to provide a ground level AdBlue solution to the new larger excavators (EC480EL – EC750EL) supplied to Chepstow. This combined with standardised specifications in 2022 and 2023 to ensure that both auto lube and isolation on Volvo excavators could be carried out at ground level. A range of refuelling solutions were developed,

tailored to each excavator size and the available space within each machine's toolbox compartment.

An additional benefit of this modification was the improved efficiency of the process, utilising a self-delivery pump on the AdBlue system with an integral filter. The system features spill prevention, automatic shut-off, and environmental protection, helping meet regulatory and MPA standards.

In December 2024, the F series Volvo EC500 excavators were delivered to 2 client sites with the pioneering Ground Level Fuelling (GLF) capabilities.

By April 2025, a retrofitting of the system to the EC750, EC380 and EC480 excavators in the Chepstow fleet was completed.

Information on GLF has been shared at Institute of Quarrying Technical Events, in Quarry Management articles, through QNJAC and at the Quarrying Industry Strategic Forum meetings.

In September 2025, Chepstow met with Volvo Senior Managers in Sweden to further persuade them to fit the ground level AdBlue solution as standard.

By developing a prototype, sharing this with the OEM and driving the project to a successful completion, the innovation has been embedded and shared so that others can benefit. The process has been collaborative involving development and design functions together with field service engineers and refuelling operations to ensure that the system is workable and overcomes all the challenges traditionally associated with this operation.

### BENEFITS

- System fitted to all Chepstow Excavators.
- Eliminates potential for slips, trips and falls from heights during refuelling and greasing.
- Operatives no longer required to drag hoses or drums onto raised platforms of excavators.
- Reduces times for refilling.
- Reduced opportunities for contamination of fuel systems.
- Reduced downtime for machines.
- Reduced risk of spills and environmental contamination.
- System and parts provided by Volvo so retro fits do not breach warranty conditions.

- System now available as a standard option on Volvo excavators.
- System can be widely adopted across industry.
- A safer environment for all.

**DEVELOPMENT AND TRANSFERABILITY**

The further plans are to continue to offer this development to Chepstow’s clients for the larger excavator range and to facilitate the modification of client fuel carts to deliver piped AdBlue to the machines, helping them to improve refuelling and reduce operational downtime.

A meeting in September 2025, with the Volvo global management team, was used to persuade them to offer this system to customers as a standard option, rather than the adaptation that Chepstow specify.

Purchasers of excavators could specify the ground level system and all OEMS could develop similar systems either as a retrofit or standard factory fitted options to excavators used in any workplace, not just within the quarrying and extractives industry.

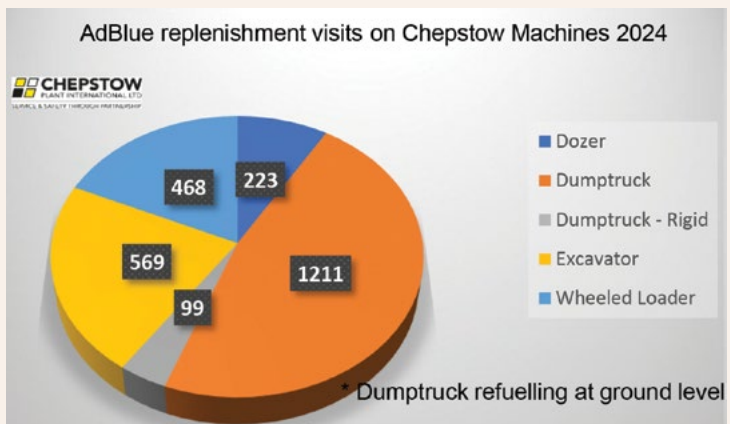
Chepstow has worked with major clients including Imerys, Sibelco, Tarmac and Ibstock who have supported and encouraged this development.



Adding AdBlue at ground level



AdBlue filler point and controls





# Joint 'The Fatal 6' Award Winner

## Isolation try out point next to mixer point

Tarmac > London and South East RMX



### DESCRIPTION

Following a recent isolation breach resulting in a fatality within CRH Americas, a safety call was held to initiate an isolation amnesty across the business.

As part of this initiative, Tarmac conducted site visits to all London and Southeast RMX locations. During these visits, comprehensive reviews of isolation procedures were carried out along with face-to-face discussions with the employees. These conversations included full transparency regarding any breaches, regardless of scale, that may be occurring within these operations.

Upon completion of the reviews, Tarmac identified a potential risk at 6 of the 18 sites visited. Specifically, the location of the isolation TRY OUT button was found to be separate from the lock-out point. This misalignment posed a risk that the final try-out step might be missed, compromising the effectiveness of the isolation process.

This issue directly relates to 'The Fatal 6', specifically contact with moving machinery and isolation.

A meeting with supervisors and the management team explored ways to reduce the risk of the final stage (TRY OUT) not being completed. The outcome was a straightforward electrical modification: installing a button next to the isolation point at each site, enabling the operator to verify the effectiveness of the isolation.

All site teams were briefed on the planned works and responded positively. This change not only enhanced safety at the isolation point but also addressed other logistical challenges. Some sites required operatives to descend three to four flights of stairs and cross live traffic areas to reach the original test point, before returning to the work area. This could lead to rushing, increasing the risk of slips or trips, or even skipping the try-out process altogether.

The quality of the amnesty process from start to finish created an open environment where the site teams knew they were not being penalised for the findings. It was seen as an opportunity for open discussions on how to improve and strengthen safety practices.

Reviewing the HIRAs (Hazard Identification and Risk Assessments) and SSOWs (Safe System of Work) revealed that while the process was functioning, it was not as efficient as it could be. The updated versions represent a significant improvement over the previous approach.

This initiative clearly reflects the MPA Vision Zero values across multiple areas.

### BENEFITS

- Significantly reduced the potential for accidental equipment start-up while maintenance or repair work is underway.
- Simple, yet highly effective change to facilitate compliance with 'TRY OUT' procedure.
- Safer working conditions.
- Reinforces the importance of completing the full LOTOTO sequence.
- Safety amnesty supported pro-active and open engagement of all involved.
- Behaviour and safety culture have improved across the sites.
- Process efficiency has increased, with less time spent walking to distant control rooms.
- Risk of procedural shortcuts has been reduced thanks to better accessibility.

### DEVELOPMENTS AND TRANSFERABILITY

As part of Tarmac's ongoing commitment to improving safety standards and operational consistency across its facilities, all future plant installations will now include the fitting of a try-out button at the local isolation point for all plant mixers.

This feature should be adopted as a standard requirement across all newly manufactured plants within the industry. Despite ongoing efforts to improve safety, fatalities continue to occur, underscoring the urgent need for proactive and preventative measures. The inclusion of a try-out button represents a critical step forward in mitigating risk and enhancing operator safety.

This initiative has already been successfully implemented across all Ready-mix plants within Tarmac's national operations. Furthermore, the approach has been shared with Tarmac's wider network, including CRH, to encourage broader adoption and alignment with best practices.



Try-Out switch by isolation point

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## Topic 2

# Safer maintenance and housekeeping



**This award covers all aspects of maintenance and housekeeping for all product groups.**

SPONSORED BY

- Safer methods of carrying out a maintenance process.
- Safer ways of cleaning all types of equipment.
- Innovations that have made a maintenance process unnecessary.



<b>WINNER</b>	
<b>Breedon Group</b>	Slips, Trips and Falls: A four-week campaign driving safer habits across Breedon sites
<b>FINALISTS</b>	
<b>AC Plant Glazing Ltd</b>	Mobile Fall Prevention Device (MOFAP) meeting the safe working at height requirements when glazing quarry equipment
<b>Tarmac</b>	Drop down discharge chute
<b>Marshalls PLC</b>	Closing the welding and hot works competency gap through NOS-based safety standards
<b>HIGHLY COMMENDED</b>	
<b>Holcim UK</b>	Return roller cradle and installation mechanism
<b>Tarmac</b>	Machinery space access hatch safety barriers
<b>Tarmac</b>	Low level chute maintenance and housekeeping
<b>Lhoist UK</b>	Lhoist and Buxton Lime – Safety shutdown shared learnings
<b>Dragon Asphalt Ltd</b>	Skip track walkways and barrier
<b>Smith &amp; Sons (Bletchington) Ltd</b>	Modified log wash walkway
<b>Brett Group</b>	Portable pedestrian blocker
<b>Smith &amp; Sons (Bletchington) Ltd</b>	Wheel wash settlement tank access
<b>ConSpare Ltd</b>	ConeFlex mixer discharge chute liner eliminates a source of HAVS risk and working at height
<b>Smith &amp; Sons (Bletchington) Ltd</b>	Safe isolation training aid
<b>CEMEX</b>	Isolation improvements
<b>Day Group</b>	Safer chute maintenance and access
<b>Brett Group</b>	Improved work at height access for LEV filter cartridge changes in R1
<b>CERTIFICATE OF MERIT</b>	
<b>Holcim UK</b>	Safe control of hot work equipment
<b>CEMEX</b>	Winch & pulley system for safe personnel and equipment access into Hydralig and Hydrosizer
<b>Tarmac</b>	Cone crusher safety line
<b>CEMEX</b>	New style guarding
<b>CEMEX</b>	Site continuous improvement project
<b>Heidelberg Materials Ltd</b>	Rubber skirt system
<b>CEMEX</b>	Reduction of manual handling through use of integrated loading shovel tipping skip
<b>Forterra PLC</b>	Implementation of a 'Maintenance T-Card System' to enhance safety, visual job tracking and accountability, and overall plant reliability
<b>Heidelberg Materials Ltd</b>	Dust blow down units and encapsulation
<b>Tarmac</b>	Coregen addition



**WINNER  
BREEDON GROUP**

Before and after

## Slips, Trips and Falls: a four-week campaign driving safer habits across Breedon sites

**Breedon Group**



### DESCRIPTION

Breedon operates across many activities where slips, trips and falls remain a daily risk at both construction sites and fixed facilities. Common hazards include uneven or cluttered walkways, trailing cables, poorly stored materials, worn steps and ladders, unsafe vehicle access and egress, and winter conditions such as ice and standing water. These factors have led to repeated near misses and minor injuries, caused by rushing, poor housekeeping and inconsistent use of three points of contact. Analysis had shown that 75% of LTI's were related to slips, trips or falls.

To address this, Breedon launched a structured four-week 'Slips, Trips and Falls' campaign in September 2025. The campaign combined practical site actions with behavioural science and cultural engagement. Each of the four weeks focused on a key theme:

1. Hazard hunting and housekeeping.
2. Safer access and egress.
3. Winter readiness.
4. Reviewing and embedding improvements.

Practical weekly tasks were delivered through site briefings, action plans, team walkabouts and peer checks. At the core of the campaign was the pro-active engagement of employees in high impact, site-based tasks which teams could complete together, ensuring a strong sense of ownership. For example, employees inspected ladders and steps, checked footwear, practised three-point contact drills, inspected vehicle exit zones, topped up grit bins, mapped drainage hotspots, and installed mats and signage. These tasks were supported by templates, checklists and decals to reinforce safe behaviours.

### Worker consultation and involvement

Frontline teams were fully involved, not only in carrying out inspections and hazard hunts but also in shaping site-specific action plans. Weekly discussions encouraged employees to share findings, challenge unsafe practices and suggest improvements. Peer-to-peer checks (such as footwear inspections and vehicle drills) promoted ownership and collective accountability.

### Leadership

The campaign was championed by the CEO and senior leaders, with weekly messages reinforcing expectations. Site managers and supervisors facilitated sessions, gathered feedback and ensured follow-through on actions. Leaders were visible throughout, demonstrating 'Five Alive Rules' in practice and recognising positive behaviours.

### Communication and training

A high standard of communication supported the initiative, with weekly slide packs, briefing notes and posters designed to be clear, engaging and action focused. Training was practical and experience based, ranging from 5S (Sort, Set in order, Shine, Standardize and Sustain) housekeeping exercises to drills on safe vehicle egress, ensuring behaviours were embedded rather than just instructed.

### Systems and processes

The campaign strengthened existing safe systems of work by embedding inspection routines, standardising housekeeping through 5S, and reinforcing reporting via the hazard log platform. Action planning ensured root causes were addressed, not just the symptoms.

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**Evidence and effectiveness**

Weekly reviews, photos and checklists all provided tangible evidence of hazards fixed and improvements made. In week 4, teams revisited their plans to confirm what had been completed, what remained outstanding, and how habits had changed. Early evidence showed improved standards in walkways, exit zones and winter preparation.

**Partners and stakeholders**

The campaign was delivered across multiple divisions with involvement from contractors and suppliers where relevant. Outcomes and materials are being shared with peers through Breedon's wider Health, Safety and Wellbeing network.

**Alignment with Vision Zero**

The initiative reflects Vision Zero values by eliminating hazards, embedding safer behaviours, encouraging workforce involvement, and demonstrating visible leadership. Its structured, collaborative approach ensures that the improvements made will extend beyond the campaign itself.

**BENEFITS**

- 22% reduction in injuries related to slips, trips and falls.
- 179 sites have action plans to reduce hazards associated with slips, trips and falls.
- 57% increase in observed hazards, 100's of hazards were identified and fixed during site walkabouts such as damaged ladders, worn vehicle steps and trailing cables.
- Significant changes in behaviour achieved in areas such as adherence to three-point contact and frequency of footwear checks.
- Sites are now better prepared for winter.
- Employees have greater awareness of risks following campaign.
- Increased employee willingness to challenge unsafe practices, and pride in contributing to safer sites.
- Improved housekeeping and better vehicle access points.
- More efficient operations with less delays caused by unsafe or cluttered conditions.
- Positive feedback and engagement from workforce.
- Safer conditions across multiple sites.
- Campaign closely aligned with 'The Fatal 6'.
- A safer environment for employees, contractors and visitors.

**TRANSFERABILITY AND DEVELOPMENT**

The Slips, Trips and Falls campaign was designed not as a one-off initiative but as a model that can be repeated and adapted. A refresher was planned for 4 months later to reinforce behaviours and ensure improvements remain embedded.

The structure of the campaign with themed weekly focus, practical site-based tasks, and leadership reinforcement is highly

transferable. It can be applied to other hazards such as manual handling, plant safety, or dust exposure, providing a template for addressing risks through both physical improvements and behavioural change.

This approach can also be shared across the wider mineral products and construction industry, where slips, trips and falls remain a leading cause of harm. Breedon intends to promote the campaign and its results through industry forums, external networks, and future MPA events, helping raise standards not only within its own operations but across the sector.





# Mobile fall prevention device (MOFAP)

AC Plant Glazing Ltd > Manchester



MOFAP in action

## DESCRIPTION

AC Plant Glazing is a long-established family company providing a nationwide glazing service for quarry plant and other equipment such as cars, buses, coaches and HGVs.

Windscreen repair and replacement in quarries makes up only a small fraction of its overall business but is seen by its staff and customers as the greatest risk to safety. This is due to the working environment and the requirement to work at height when replacing the windscreens of heavy plant and machinery.

Windscreens installed on operator's cabs of larger equipment are often unsuitable for traditional mobile scaffolding methods. A few years ago, AG Plant Glazing developed its first Mobile Fall Prevention Device (MOFAP) to meet the safe working at height requirements of equipment used in quarries. The key objectives were to facilitate unencumbered access with potentially large pieces of glass whilst providing an overhead fall arrest anchor point for the fitter's harness, allowing the screen removal and replacement work to be completed. The system is based on an inertia reel that does not inhibit movement but locks in the event of a fall.

An added complication is the safe manipulation of the heavy mesh guard fitted on loading shovels and windscreens with the fitters being placed in potentially difficult positions. To address this issue, a "Swing Crane" was mounted to the trailer chassis, which would enable the operator to lift and manoeuvre guarding and windscreens safely. The increase in popularity of "dual view cabbed dumpers" has resulted in further SSOWs (Safe Systems of Work) being developed to re-glaze these cabs, which

are often at height with no walkways fitted allowing safe access over uneven and greasy slippery surfaces. To address this issue, a slide out platform was developed which passes over the dumper's centre swivel pin and provides steps and a non-slip platform with guard rails to allow fitters to complete the task safely.

Other factors taken into consideration in developing the MOFAP system were power supply, lighting for use in bad weather, weight, transportability, guard rails and non-slip steps.

The equipment was tested in several environments and feedback incorporated to improve the design. Staff were trained and certified to use the new platforms, a pre-use check list was developed and a new RAMS (Risk Assessment Method Statements) pack written for the task.

AG Plant Glazing believe the 2 MOFAP units they operate are the only mobile fall prevention devices developed for the plant glazing sector.

## BENEFITS

- Provides a fall prevention anchor point for the windscreen fitter carrying out glazing work.
- Provides a slide out platform to aid access to small and larger equipment.
- Provides simple derrick to easily manage the lifting of guarding visors.
- Significant reduction in the risk of falls from height.



- Significant reduction in risk of manual handling injuries.
- Significantly safer method of working for fitters on mobile plant.
- More efficient operation as the need for ad hoc scaffolding removed.
- Fitters less likely to need support from quarry operators who are untrained in glass handling.
- Equipment has reduced the numbers of slips, trips and falls experienced by fitters.
- Chipped or broken glass during installation has fallen to almost zero.
- Reduced downtime and cost for windscreen replacements.

### TRANSFERABILITY AND DEVELOPMENT

The MOFAP idea could be developed further for short duration tasks and operations other than changing windscreens and cab glass.

Clearly this innovation could be used in other maintenance tasks around machines which lack platforms or walkways that allow fitters to stand and work protected from a fall. However, being primarily a glazing business, the company has no plans at present to develop or market this idea commercially.

Windscreen replacement will continue to be a part of plant maintenance in quarries so the MOFAP system will be subject to continued development to match the needs of the next generation of mobile plant and equipment.



Swing crane in action



Positioning MOFAP platform



# Closing the welding and hot works competency gap through NOS-based safety standards

Marshalls PLC



Using framework to test competence

## DESCRIPTION

Marshalls' Reliability Excellence (REX) framework is an audit system for standardising maintenance, compliance, and safety assurance across all manufacturing sites. It sets clear, evidence-based expectations across eleven pillars, ensuring every site is assessed against measurable standards and consistent practices.

Early REX audits revealed opportunities to improve safety adherence and confirm whether procedures were fully understood and followed by a changing workforce. Policies existed, but assurance of consistent application was limited, particularly for high-risk activities such as welding and hot works.

A working party reviewed accident data and identified that while statutory policies were in place, competence validation relied mainly on paperwork, rather than practical assessment. Apprentices and new engineers, often exposed to higher risk work, were a particular focus due to their limited experience.

To address this, the team developed a structured auditable method to prove that every individual conducting welding or burning work could do so safely and correctly. The National Occupational Standards (NOS) were used as the benchmark for this system.

The aim was to remove ambiguity, strengthen compliance, and reduce the likelihood of injury or enforcement action. To move the system from one of assumed to verified competency.

The objective was to establish a clear, measurable, and nationally recognised method to ensure that anyone performing welding

or burning tasks could do so safely, correctly, and under full awareness of the hazards involved.

The team translated the NOS into practical site-based requirements covering equipment setup, isolation, hose and regulator checks, flashback-arrestor testing, fume extraction, PPE, and permit-to-work procedures. Dynamic Risk Assessments (DRAs) were built in to ensure changing conditions were reviewed both before and during work.

Workshops with engineering teams were held to test and refine the process. Feedback confirmed it reflected real working conditions and could be carried out efficiently during normal operations without dependence on external training providers. The final version combines a short knowledge review, a practical observation, and an evidence record retained for audit, providing assurance that competence has been demonstrated and verified.

To assist the engineers, a short video was created showing an engineer going through each of the correct safety procedures in their own work environment, whilst undertaking hot work or welding tasks. This provided an easily accessible reference point, showing them what good looks like and enabling them to review and confirm whether they were already following the correct procedures, helping them to change their behaviour and prepare for the formal testing.

Management demonstrated clear leadership by supporting trials, allocating time for development, and communicating expectations through toolbox talks, team briefings, and safety

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meetings. Engineers who achieved full competence were authorised to carry out hot work activities, while those requiring additional guidance received targeted coaching before reassessment.

Assessment records are stored locally and reviewed through the REX audit process, creating traceable evidence of compliance and assurance that only competent personnel perform high-risk tasks. This initiative strengthened collaboration between engineering, safety, and operational teams, improved communication, and embedded a disciplined approach to competence verification, reinforcing Marshalls' Vision Zero commitment that no task is worth injury.

### BENEFITS

- The welding and hotwork competence framework closed a long-standing compliance gap.
- Maintenance related accidents have reduced from 26 in 2024 to 15 in the first 9 months, a 23% improvement on a pro-rata basis.
- Every site has a single auditable standard.
- Only trained and authorised personnel complete welding or burning activities.
- Sites have evidence that individuals undertaking hot work have been directly observed and signed off.
- Assessments are carried out internally by experienced engineers during normal operations.
- Removes the need for costly external providers and enables faster assurance.
- New recruits can be quickly assessed in-house.
- Provides a repeatable, evidence-based process demonstrable during audits or external inspection.

- Embeds apprentices with company's safe working expectations before exposure to high-risk practical tasks.
- The framework directly supports 'The Fatal 6' by strengthening isolation discipline, pre-use safety checks, and dynamic risk assessments.
- Engineers display greater ownership of safety and a greater willingness to challenge unsafe acts.
- Improved collaboration between engineering, operational excellence, and the Health and Safety Department.

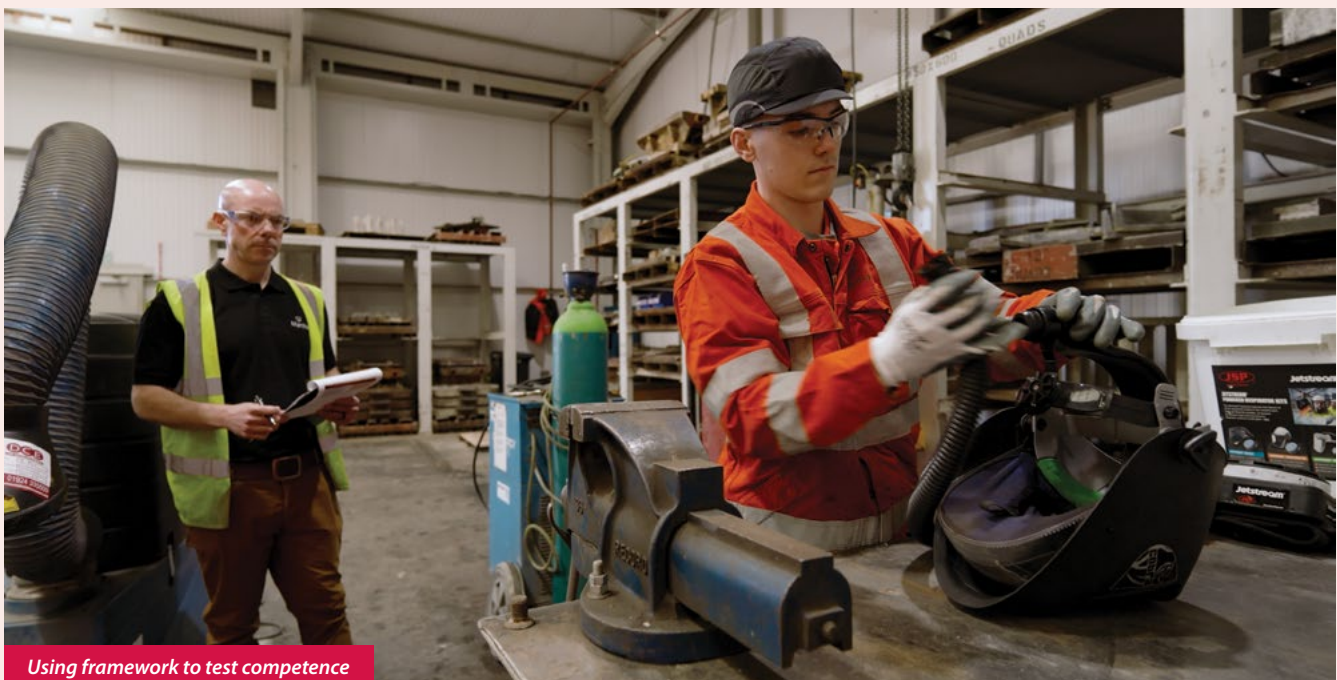
### TRANSFERABILITY AND DEVELOPMENT

The welding and hotwork competence framework has been implemented within the Water Management Division and is now being introduced across other divisions, including Bricks & Masonry, Marshalls Landscape Products, and Marley Roofing. This phased approach allows each area to adopt the same method while tailoring delivery to its operational needs.

All supporting materials such as the assessment checklist, guidance notes, and evidence record, have been designed for easy replication and can be adapted for other high-risk engineering activities. Because the framework is built around the National Occupational Standard, its principles can be applied to any task where competence and safety verification are essential.

Using trained internal assessors makes the process sustainable, low-cost, and immediately deployable for both new and existing staff. It ensures a consistent level of assurance across sites without reliance on external training providers.

The approach could be shared with industry partners and MPA working groups as an example of good practice in competence verification, supporting Vision Zero and long-term compliance assurance.



Using framework to test competence



# Drop down discharge chute

Tarmac > RMX Southwest



Chute being lowered



Chute on ground for cleaning

## DESCRIPTION

At one of Tarmac's mobile RMX concrete batching plants, an employee became trapped by a falling lump of hardened concrete whilst cleaning the inside of the chute. The operator dislodged a large lump of concrete which slid down the cone towards him trapping his right arm. The lump obstructed his exit route and he became completely entrapped with the emergency services having to free him. Fortunately, he only received scratches to his chest, but his injuries could have been far worse.

Tarmac recognised that a redesign of the chute was required to eliminate the possibility of this type of accident occurring again at this, or other similar mobile batching plants.

When cleaning or maintenance on the chute was required, the only way to access the chute was from below, achieved by the operator standing on a lightweight scaffold tower. The operator would then position his upper body inside the cone and use a jackhammer to break-off the hardened concrete. Although the problem had been previously identified, and hose lines had been put in place to mitigate build-up, this was not always effective in preventing deposits.

Tarmac asked a contractor to come up with a new design for the chute on this type of mobile mixer plant to eliminate these issues. The solution was to construct a lightweight discharge cone on a mounting bracket which could be lowered to ground

level for cleaning and maintenance purposes. When the chute is in situ, it is held in place by two locating pins which can only be released if the mixer is isolated, and it is unable to start unless the pins are in their locked position. The chute is lowered using a remotely controlled winch attached to the bracket.

Due to the simplicity of this chute, it only requires a polythene lining, keeping steel costs down and allowing it to be easily replaced. All maintenance and cleaning can now be undertaken at ground level.

## BENEFITS

- Chute cleaning and maintenance significantly safer.
- Eliminated the requirement for working at height.
- Eliminated risk of operator entrapment or injury from falling debris.
- Reduced potential for HAV injuries as use of jack hammer significantly reduced.
- Reduced downtime when chute is cleaned or maintained.
- More efficient operation.
- A safer working environment on-site.

## TRANSFERABILITY AND DEVELOPMENT

Tarmac have successfully implemented the installation of the drop-down discharge chute system to all their Ultra Mobile Plants or plants which are of a similar design. This design could be applied by other companies as it can be used with planetary, pan and twin shaft mixers where there are potentially similar issues with access and egress.

This innovation has been shared with the wider business and members of the ExCom team who are keen to adopt this system on all concrete sites where access to cleaning and maintenance is an issue.

Visit [www.safequarry.com](http://www.safequarry.com) for more details or email: [info@safequarry.com](mailto:info@safequarry.com)

## Topic 3

# Safer management of pedestrians and transport on-site

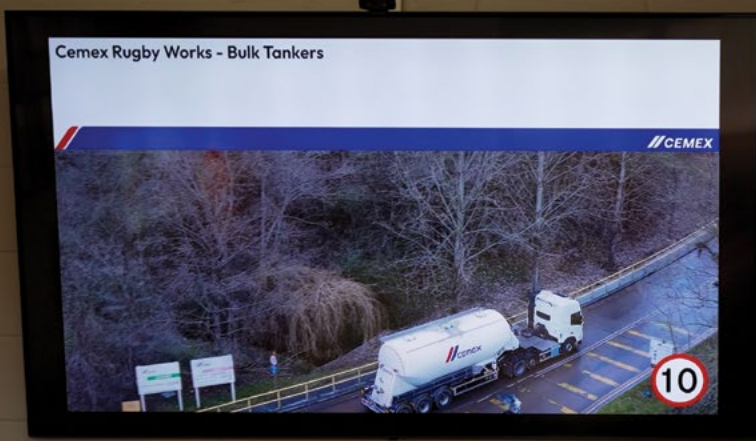


**This award relates to the safer management of people (employees, contractors, suppliers, customers and members of the public) and vehicles on-site. This could include:**

- Site induction.
- Traffic management.
- Pedestrian zones.
- Control systems.



WINNER	
<b>CEMEX</b>	Driver inductions reinvented: site guides with vehicle and drone perspectives
FINALISTS	
<b>Brett Group</b>	Segregation of tipping lorries and pedestrians through lockable gates remotely controlled by the shovel driver.
<b>Heidelberg Materials Ltd</b>	Flag poles
HIGHLY COMMENDED	
<b>CEMEX</b>	Delivery driver ticket station
<b>CEMEX</b>	New traffic management Angerstein Wharf
<b>CEMEX</b>	Transforming SSOWs: From paper documents to engaging training videos
<b>Holcim UK</b>	Collect customer induction project
<b>Tarmac</b>	Mobile plant / HGV segregation
<b>Tarmac</b>	Geofencing site speed limits
CERTIFICATE OF MERIT	
<b>CEMEX</b>	Auto-induction and notice for visitors, contractors and employees
<b>Spillard Safety Systems Ltd</b>	AI human detection system – protecting people around moving machinery & vehicles
<b>Heidelberg Materials Ltd</b>	Small vehicle process
<b>Mansfield Sand Co Ltd</b>	The safer loading of tankers by removing operative interaction
<b>Tarmac</b>	Bulk bag rack
<b>Mansfield Sand Co Ltd</b>	Enhanced site safety through speed calming measures
<b>Tarmac</b>	Road safety radar system



**WINNER  
CEMEX UK**

*Driver watching site induction video*

## Driver inductions reinvented: Site guides with vehicle and drone perspectives

**CEMEX > Nationwide**



### DESCRIPTION

CEMEX driver inductions were traditionally delivered using classroom-based presentations and paper guides. Whilst informative, these methods did not always prepare drivers for the specific layout, hazards, and traffic management systems of each site.

This lack of familiarity created risks of unsafe manoeuvres, wrong turns, or delays upon arrival. Hazards included vehicle-pedestrian interactions, reversing incidents, and breaches of one-way systems, all of which link directly to 'The Fatal 6', particularly "Pedestrian and Transport Interface."

Feedback from drivers highlighted confusion during their first visits and a reliance on verbal directions. To address this, CEMEX developed site guide videos filmed from the driver's perspective, complemented by drone footage. This approach gives drivers a realistic view of what to expect, reducing uncertainty, improving behaviour, and reinforcing safe site navigation before they arrive.

The project was initiated by the Logistics and Health & Safety teams, who recognised the opportunity to harness modern video techniques. Management demonstrated clear leadership by championing the concept, securing drone capability, and dedicating time to film from both the driver's perspective and from the air.

Consultation with drivers, site managers, and transport planners shaped the content. Drivers highlighted common areas of confusion, with their input ensuring the videos focused on real pain points and practical guidance rather than generic rules.

Site managers contributed by identifying key hazards such as pedestrian crossings, blind spots, and reversing zones.

Filming was carefully planned to replicate the driver journey, starting at the site entrance and progressing through to loading/unloading areas. The use of in-cab cameras showed exactly what a driver would see, while drone footage provided an overview of traffic flows and segregation systems. This dual perspective made inductions both realistic and comprehensive.

Communications were delivered through driver briefings, haulage contractor meetings, and digital sharing platforms. Videos were embedded into induction programmes so drivers could watch them before arriving, reducing stress and improving preparedness. Training materials were also updated to align with the video content, ensuring consistency across all formats.

The process was trialled with a small group of new drivers, who reported feeling more confident and less anxious on arrival. Managers observed fewer questions during inductions and smoother vehicle movements on-site. Early evidence suggests reductions in near misses related to driver unfamiliarity.

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## BENEFITS

- Drivers arrive better prepared, with a clear understanding of site layouts, traffic flows, and hazards before they even enter a site.
- Reduced confusion and improved vehicle movements around sites.
- Reduced the risk of unsafe manoeuvres, wrong turns, or reversing incidents.
- Significantly improved safety performance.
- Reduction in near misses related to driver unfamiliarity.
- Contractors feel more confident and welcomed, reducing stress and improving wellbeing.
- Drivers find the new induction process is “much easier to follow than paperwork”.
- Drivers find it helps them know exactly what to expect and reduces anxiety.
- Drivers can easily access and re-watch videos for each site.
- Improved competence and strengthened safety behaviours.

- Inductions help to foster a culture of learning and preparation.
- Operational efficiency has improved.
- Inductions take less time; supervisors spend less effort repeating directions.
- Drivers integrate more quickly into site operations.
- The system has created a safer and more controlled environment.
- Raised the professional standard of inductions across CEMEX's logistics operations.

## DEVELOPMENT AND TRANSFERABILITY

This initiative demonstrates Vision Zero in practice: it eliminates preventable risks, promotes engagement, and improves safety behaviours before drivers even step onto site.

It has since been shared with external stakeholders, including haulage partners, who have praised the clarity and practicality. The model is easily transferable and scalable, with strong potential to raise safety standards across the industry.

### Cemex Rugby Works - Bulk Tankers

as you approach the dispatch office If there are vehicles queuing on the right, Keep to the left of the road and go around the vehicles  
If a pedestrian approaches the zebra crossing you must always Give Way



Screenshot from site induction video



# Flashing flag poles on vehicles

Heidelberg Materials Ltd > Pateley Bridge Quarry



New flag pole attachment



Old magnetic attachment

## DESCRIPTION

At Heidelberg's Pateley Bridge Quarry, light vehicles are used for moving personnel, tools, and small loads around site. These vehicles are often difficult for pedestrians and drivers of large mobile plant to see, particularly when moving around large quarry plant, stockpiles, between high bund walls, or in poor light conditions.

Plant operators and pedestrians noted that smaller vehicles with flashing flags were easier to spot in mirrors, blind spots and over bunds. However, it was found that drivers and pedestrians were relying heavily on human vigilance, which is fallible, rather than engineered visibility controls that were already in place.

There were several problems with the flags that were being used on the light vehicles in the quarry. They were prone to detach in the windy environment of the quarry. This not only made

the vehicle more vulnerable to being struck by other mobile plant but also increased the possibility of it not being seen by a pedestrian. It also created the potential for a driver recovering a fallen flag to be hit by other traffic.

The flags were attached to the pick-ups using a simple magnetic system. Attaching and removing the flag from the top of the vehicle using this system exposed the driver to the risk of a manual handling or a pinch injury due to the design of the mechanism. It was also difficult to ensure that the flag would always be attached so that it was at the correct flying height

A small team was set-up to devise a way of ensuring that the flags would remain attached to the vehicles, to improve their visibility and overcome these other issues.

Their solution was to design a hard mounting bracket to the back of the Hilux, that incorporated hard wiring to power a flashing light on the pole synchronised with the vehicle's beacons, this only required the insertion of a simple plug-in on the flag pole. The flag pole is fixed using a quick attachment and release device. The system also ensures that the flag is flying at the correct height.

Drivers and operators were consulted during the trial phase to provide feedback on visibility, ease of use, and mounting security. The design was also shared with other sites and at general meetings. The safety reps and the joint safety committee reviewed the design and ensured that the use of the flags was integrated into daily checks. Drivers were trained on the correct method for attaching the flag and checking that it was functioning.



Fitting flag pole at ground level



Mounted flag pole

#### BENEFITS

- Improved visibility of light vehicles for both other drivers and pedestrians.
- Reduced risk of light vehicles colliding with mobile plant or pedestrians.
- Eliminated the risk of driver being struck whilst retrieving a fallen flag.
- Simple attachment method has reduced potential for manual handling or pinch injury.
- As it is simple and convenient to attach the flag, drivers are less likely to fail to use them as part of daily routine.
- The system has been standardised across the site.
- Improved safety at site entrances and car parks, where vehicles and pedestrians often mix.
- Flashing flags reduce the chance of light vehicles being hidden in plant blind spots.
- Reinforces competency in traffic management and safe systems of work.
- Fewer stoppages due to near misses or vehicle-pedestrian conflicts.
- A safer environment for all.

#### DEVELOPMENT AND TRANSFERABILITY

The quarry will be trialling different flag sizes, colours, and flashing patterns to maximise visibility in varied conditions. The flag system will be included in the company-wide specification standards for new vehicles. The long-term data on near misses will be reviewed to inform continuous improvement. Other sites in the area are now starting to implement the system.

The principle of improving light vehicle visibility is relevant across a wide range of other industry sectors. This method of attaching flags to light vehicles is low cost, practical, and easily transferable.



# Segregation of tipping lorries and pedestrians

Brett Group > Brett Landscaping & Building Products > Barrow



Gate locked – red light

## DESCRIPTION

Brett Landscaping's site at Barrow manufactures concrete block pavers, slabs, and kerbs on an 8 hectare site, with 5 production factories. On this complex site, the pedestrian walkways have been located to minimise interaction between pedestrians and forklifts working in the stocking yards, the area where the most traffic movements occur. However, the site layout does have pedestrian walkways that include crossing points where aggregate lorries reverse to tip into aggregate holding bays and loading shovels are operating feeding hoppers, creating a hazard for pedestrians.

Pedestrians must pass through a swing gate to leave the segregated walkway area and cross the areas where this activity is taking place. The shovel driver is responsible for controlling the tipping exclusion zones, stopping traffic from driving past and alerting pedestrians to stay in the walkway whilst either tipping is in operation or the hoppers are being fed. This was achieved by the shovel driver giving verbal instructions and hand signals.

However, near misses were being reported that related to pedestrians entering the tipping exclusion zone before a lorry had finished tipping its load. Analysis suggested that the problem was primarily associated with contractors, visitors and delivery drivers, who used the walkways to access welfare facilities and different working areas. They were either unfamiliar with or failing to follow the safety rules. Although the tipping rules were explained during induction, some individuals were entering the tipping exclusion zones, and the shovel driver had to stop them.

The analysis indicated that some non-employees were confused about when they were allowed to cross the area, mainly because they were unclear when the lorry had finished tipping. To address this problem, it was decided to retrain all the staff using 'The Tipping Do's and Don'ts' toolbox talk and to reinforce them to non-Brett personnel during inductions.

However, despite this initiative, near misses continued to be reported. A further investigation found most of these incidents involved people on-site for the first time, who had not fully understood when they could cross these areas safely.

A project team was set up consisting of a supervisor, a maintenance engineer and the dayshift loading shovel driver, tasked with implementing a solution that would both eliminate the near misses but also help change the behaviour of people who were only occasional visitors to the site.

The solution was to install a system that physically prevented anyone from entering the exclusion area during tipping. The existing walkway gate system would be adapted to give the shovel driver complete control over the pedestrians crossing.

This was achieved by installing additional segregation barriers to the walkway as it approached the gate, ensuring that pedestrians were always led into the correct area to cross. A magnetic lock, which was controlled remotely by a fob held in loading shovel cab, was added to the swing gate along with a signal light that provided a visual signal indicating to pedestrians that they must stop.



Initial trials found that the shovel driver sometimes forgot to turn off the magnetic lock after tipping, leaving pedestrians unable to cross the area. A second red traffic light facing into the tipping area was activated when the magnetic lock was engaged. This light was visible to the shovel driver, showing him when the gates were locked, reminding him to release the locks if it was safe to do so.

### BENEFITS

- Reduced potential for workplace transport and pedestrian interface.
- No further near misses being reported in tipping area since the installation.
- Shovel driver has full control of tipping and hopper feeding areas.
- Employees now looking at other areas on-site where pedestrian safety could be improved.

- System has enhanced perception of risk associated with workplace transport.
- Positive feedback from employees and site visitors.
- A safer environment for all.

### DEVELOPMENT AND TRANSFERABILITY

Brett will implement the same system in another area on-site with a similar issue.

This low-cost solution is directly transferable to other parts of the industry, especially where pedestrians cross heavily trafficked areas.

Information about the system has been shared across all parts of Brett Landscaping and Building Products.



Site with highlighted crossing pathway

# SAFETY DRIVE

Driving an HGV is one of the most important and potentially hazardous work activities undertaken across the mineral products industry, with upwards of 100,000 vehicle movements delivering materials every day across the country.

MPA published the 5th edition of its **Drivers Handbook** in June 2026. It is part of MPA's strategy to ensure companies and their drivers have access to the very best guidance and advice helping them to operate their vehicle fleets safely and responsibly. The new Handbook includes the following benefits and features:

- Best practice guidance covering every aspect of driving and operating HGVs.
- It was developed by the MPA Transport Committee for the industry.
- Provides a practical reference tool for all HGV drivers.
- Helps drivers understand, manage and address the risks associated with driving and operating vehicles for work.
- The wide range of subjects covered includes the following:
  - Journey planning.
  - Driving standards.
  - Emergency situations.
  - Preventing avoidable harm.
  - Mental health and wellbeing guidance.
  - TfL's Direct Vision Standards (DVS).
  - Vehicle isolation.
  - Recovery procedures.
  - Defined minimum vehicle safety standards.

- Over 150 pages of essential advice.
- Supports safe decision-making by drivers.
- Promotes positive driving behaviours.
- Anyone delivering material will benefit from this guidance.
- It will play a key role within driver training courses delivered by MPQC.
- It will be accessible digitally via MP Connect.

MPA will continue to work with other organisations to raise standards through schemes including FORS (Freight Operator Recognition Scheme), CLOCS (Construction Logistics and Community Safety), Driving for Better Business (DfBB) and the BSI Road Traffic Safety Management standard ISO 39001.



# Topic 4

# Safer transport and logistics



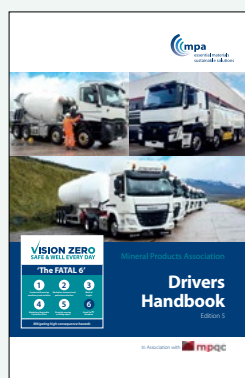
**This award relates to the safer transportation and handling of materials in the mineral products industry, both at company and customer sites. This would include:**

- Training of hauliers.
- Safety devices on vehicles.
- New or improved storage systems.
- New or improved delivery systems.
- New or improved methods for loading and unloading.
- Measures taken to improve the safety of other road users.
- Measures taken to improve safety of car and van drivers.
- Measures to improve safety of rail and waterborne transport.

SPONSORED BY



WINNER	
<b>John Wainwright &amp; Co Ltd</b>	Tying safety down
FINALISTS	
<b>Lhoist UK</b>	Improved safety regarding storage of hydrated lime big bags
<b>CEMEX</b>	Truck fill hose magnetic couplings
HIGHLY COMMENDED	
<b>Capital Concrete Limited</b>	CapApp driver compliance, training and resource app
<b>Tarmac</b>	Haulier collaboration workshops
<b>Day Group</b>	Ground operated sheeting for flatbeds
CERTIFICATE OF MERIT	
<b>AABC Bagging Ltd</b>	QUICK-NET Netting, strapping & covering bagged aggregates
<b>CEMEX</b>	Netrodyne driver AI monitoring/support system
<b>Lhoist UK</b>	Improving safety for self loading drivers
<b>Lhoist UK</b>	Silo 109 – Visual management traffic light system implementation





## WINNER JOHN WAINWRIGHT & CO LTD

Two fixing points at different levels

## Tying safety down

John Wainwright & Co Ltd



### DESCRIPTION

In the last 5 years, there have been 35 fatalities related to Falling from Height in UK industry. Of the 35 fatalities, 18 involved falling from a vehicle.

Wainwright's asphalt contracting division use a JCB 3CX Compact (back-hoe) on most sites, as it is a versatile and effective machine for most site operations. With a range of attachments, it can handle materials, dig, trench, and clean up. It is good for general purpose site preparation and maintenance and significantly reduces manual handling by operatives.

The back-hoe loaders are regularly moved from site to site using an HGV low-loader. The machines need to be chained down to secure them whilst being moved by the low loader to a new site or being returned to base.

The 4 tie-down points provided by the manufacturer are located on the corners of the JCB 3CX at waist height, when it is parked at ground level. When driven onto the bed of the low-loader, these points are at head height or higher. The driver is unable to secure the chains to the tie down points whilst standing on the ground and must climb onto the flatbed to secure the chains putting themselves in awkward positions to secure the chains. This operation exposes the operators to the potential of a fall from height.

Wainwright identified that a simple engineering change could remove this risk entirely. In collaboration with its low loader drivers, a team sat down with a picture of the machine and mocked up the geometry to help solve the problem. Once they had established what might work, the team engineered a bespoke dual height hook system. This enables the driver to access the new hook points from ground level, ensuring the machine is securely fastened to the trailer deck without the need to climb onto the low loader.

Partnering with local contractors and BS accredited coded welders, Wainwright retrofitted the fleet with a legally compliant restraint system. The machines have two hooks at different heights, so whether on the higher deck or the lower deck of the trailer the chains can be easily secured. If it is loaded further down the trailer, the driver can use the higher hooks, which are 800mm above the current ones. These modifications have reduced the time required to complete the process of securing the machines on the low loader.

As the HGV driver can be exposed to live traffic whilst loading machines, often not within a site exclusion zone due to location practicalities, this modification has reduced the length of time a driver might be exposed to this risk.

Wainwright has now embedded these modifications into their future procurement standards.

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The manufacturer had not previously thought of these modifications and has now added extra tie-down points on the chassis. Because the tie-down points were added by the manufacturer, this meant the points were CE marked for use when the new machine was delivered to Wainwrights and hence compliant with legislation.

### BENEFITS

- Eradication of working from height for the tie-down process.
- The driver is now able to complete the task from ground level.
- The driver remains cleaner and drier as no longer required to kneel or lie on ground.
- Chains for the securing process are also stored at ground level improving access.
- Reduction of time spent on the tie-down process with less rushing.
- Driver can spend more time concentrating on other aspects of the task.
- Reduced exposure time for HGV driver to high-risk live traffic working.

- Stress and fatigue on driver reduced.
- Driver more likely to correctly tie-down the vehicle.
- Tie-down from a lower centre of gravity, increasing stability in transit of machinery.
- Increased safety to the public when transporting heavy plant on public highways.
- Positive feedback from the drivers.
- Demonstrates Wainwrights' collaborative approach to safety and Vision Zero values.

### DEVELOPMENTS AND TRANSFERABILITY

All new machinery within Wainwright's fleet is being requested to have tie-down points at low level as standard.

This modification is a classic example of engineering solution eliminating a hazard. The modifications are totally transferrable and could be applied within other industries and on a wide range of machines. Manufacturers could easily incorporate these modifications as standard.



Before fixing points added



# Improved safety regarding storage of hydrated lime big bags

Lhoist UK > Hindlow



After: Single stacked bags

## DESCRIPTION

Lhoist UK sells a significant quantity of hydrated lime in bags that are loaded into containers and exported. The activity is centred on a facility known as the 'Bagging Shed'. In parallel to big bags, small 25 kg bags are also packed and stored there.

Historically, the trucks had to reverse into a pit within the storage area, where 25 kg bags could be loaded side-on to curtain sided trucks and at the rear of the shed into containers via a ramp.

The presence of the pit allowed practical loading for all types of trucks but constrained the space in the bagging shed. This necessitated the 'double stacking' of the big bags which contained over 1 tonne of hydrated lime, are 2m tall and full of loose powder which can cause them to be unstable.

The double stacking of the big bags presented a risk of bags falling over and the presence of the pit made driving of forklift trucks (FLT) in the area challenging. In addition, the activity of reversing into a narrow pit was awkward for hauliers. Lhoist experienced near misses with big bags falling over and a potentially serious incident when a FLT reversed and fell into the open pit.



After: New loading point

Lhoist recognised that a solution was required to mitigate these hazards and risks. However, the company did not want to adversely affect its service level to customers through a drastic reduction in the stock holding of packed material.

Barriers for the pit would have precluded the loading of curtain sided trucks. An extension to the bagging shed was not possible due to the lack of space in surrounding areas and the adverse impact it would have on traffic management in adjacent areas.

The solution was to fill in the pit area, providing more space in the bagging shed and allowing the transition to single stacking of hydrated lime big bags. To solve the loading challenges, a new docking station was devised at the end of the bagging shed.



Throughout the design and change process all employees were kept informed and had the ability to influence outcomes – creating a solution that was optimised as well as buy-in to the proposed changes.

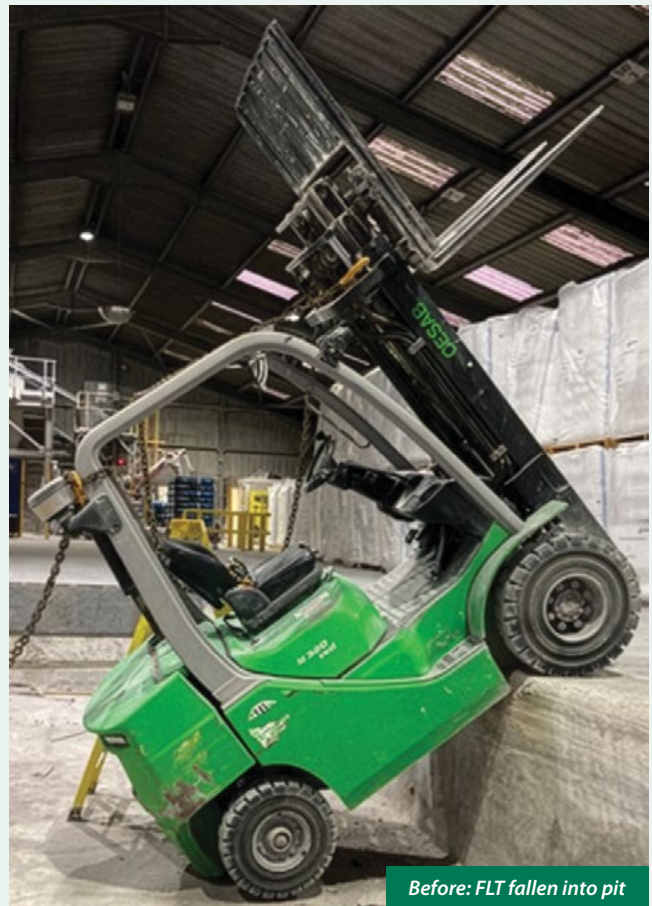
### BENEFITS

- Eliminated the risk of large falling bags.
- Increased storage area for bags.
- Easier and safer movement of FLT's within the bagging shed.
- Eliminated risk of FLT's falling into pit.
- Eliminated the challenge of drivers reversing into a narrow channel for loading.
- Improved traffic management around bagging shed.
- Easier and more efficient loading of vehicles.
- Positive feedback from staff and contractors.
- Reflects values of Vision Zero in action.
- A safer environment for all.

### DEVELOPMENTS AND TRANSFERABILITY

The risk of an open pit for loading must exist at other sites. Temporary or permanent barriers can alleviate the problem, but considering a fundamental redesign, as executed in this case, is a more holistic and complete solution. It fits better with the risk hierarchy that a business should consider when approaching a hazard.

Lhoist has promoted this solution within its global business and on-site visits.



Before: FLT fallen into pit



Before: Double stacked bags



# Truck fill hose magnetic couplings

CEMEX



Magnetic coupling for hosepipe



## DESCRIPTION

An incident at a CEMEX ready-mix plant was the catalyst for the introduction of a new water hose across the business.

A mixer truck was being loaded at a concrete plant. As is custom, it had a hose attached to the water tank to refill it which was attached on the passenger side of the truck. Following loading, the truck commenced to exit the loading area without the driver realising he had forgotten to uncouple the hose from the tank.

The long hose became heavily stretched under the tension due to the truck moving forward and the driver noticed the observer motioning him to stop. This incident could have had more serious repercussions if the hose had snapped or part of the plant structure had broken away, especially given there was another driver in the vicinity at the time.

### CEMEX's investigation into the incident identified the following points:

- Most similar incidents have occurred when the truck fill hose is attached on the passenger side of the truck.
- When positioned on the driver side, the hose is visible to the driver as they make their way to the cab.
- Energy stored in the hose is in proportion to the length of the hose, since it stretches under pressure.
- When a hose stretches under force until it either snaps or breaks away part of the metal pipework or plant structure, any individuals in the area are at risk of being struck.

The investigation, and the solution subsequently developed, were the result of a team effort by members from Operations, Health and Safety and Maintenance Departments, including the General Manager in London. The solution included a magnetic coupling that breaks when under force, the idea for this type of coupling was adapted from those used in petrol filling stations.

CEMEX trialled the new system at its ready-mix plant in Watford. The site had undergone a major upgrade and was being used as an example of what good looks like for other sites.

## The solution involved the following key elements;

- The pipework and hose being positioned to enable the tank to be filled on the driver's side.
- The pipework that the hose attaches to was located as near to the truck as possible to ensure the hose is as short as possible. Ideally, the hose should not be longer than 15 feet.
- A magnetic coupling was fitted between the metal pipework and hose to act as a weak point and prevent a breakaway under force.
- The pipework "T" piece must be fitted in line with the direction of the hose attached to eliminate a snagging hazard that could compromise the effectiveness of the magnetic coupling.

Following a successful trial, the learnings were communicated in a safety alert. CEMEX ordered couplings to install at all its UK ready-mix and mortar plants. It was also recognised that on many sites the water hoses were long to facilitate other types of operations such as cleaning, this length was inappropriate for the hoses used to fill water tanks.

## BENEFITS

- Zero repeat incidents since system installed.
- Significant reduction in potential for personal injury or equipment damage from this hazard.
- Magnetic couplings prevent build-up of stored energy when hoses stretched.
- Repositioning all hoses on driver's side reduces potential for a driver failing to detach the fill hose.
- Stored energy minimised by shortening the hose if systems fail.
- A safer environment for all.

## DEVELOPMENTS AND TRANSFERABILITY

CEMEX had only experienced this type of incident on its concrete plants. CEMEX were able to roll this out to all its sites in the UK, at the same time showing it is easily replicable. The learnings could be applied to any application where hoses are attached to moving plant and equipment.



Shorter hosepipes on driver's side

## Topic 5



# Safer operations at a contracting, asphalt laying, construction or customer site

**This award relates to activities such as contracting, paving, laying and installation of precast products. This would include:**

- Improving the safety of new road construction.
- Improving the safety of on-highway maintenance.
- Improving safety of the pouring of readymix concrete.
- Improving the safety of methods used in the installation of precast products such as flooring.



WINNER	
<b>Tarmac</b>	Contractor management through collaboration
CERTIFICATE OF MERIT	
<b>Tarmac</b>	Safe dig working group
<b>CEMEX</b>	Bulk tanker auto lids
<b>CEMEX</b>	Incident communication alerts



**WINNER  
TARMAC**

*Before: Typical environment for induction*

## Contractor management through collaboration



### Tarmac

#### DESCRIPTION

As part of a wider programme to standardise systems across the business, Tarmac wanted to introduce a new contractor management process across its Pave operations.

As circa 50% of the workforce in the Pave section are contractors, Tarmac recognised that a successful implementation would require a collaborative process and engagement with this section of the workforce. Traditionally, many contractor briefings and inductions were delivered on live working sites in a far from ideal environment and making it difficult to ensure that individuals had fully understood the information provided.

Tarmac set up a working group drawn from across the country, to manage the changes and ensure that the Pave business could operate within the new process.

Two contractor management workshops were arranged, one in the Southwest and the other in South Wales Region. All regular contractors from both areas were invited to attend. The contractors ranged from individuals, with turnovers of a few thousand pounds, to multi-million pound companies.

The presentations were led by the Regional Pave Director and the Regional SHE Manager with support from their teams. The objectives were for the new standard and related presentation to facilitate all contractors to operate safely, effectively, and efficiently under the Tarmac umbrella.

The new process allows contractors more freedom in relation to training and documentation without the need for regular, often daily, checks on individual knowledge and competency. The full detail of the presentation was shared with all contractors following the engagement sessions, where they were given the opportunity to raise questions with the Senior Management Team.

Alongside the workshops, Tarmac launched a standardised online 'Life-Saving Rules, Induction and Test of Understanding.' Individuals can work through the presentation without distraction, in a safe environment prior to coming on to the site.

The 'Life Saving Rules Induction' is a 40-minute video with numerous points discussed in different sections, enabling the contractor to go back over material if required. This is followed by the individual completing an online test of their understanding

Visit [www.safequarry.com](http://www.safequarry.com) for more details or email: [info@safequarry.com](mailto:info@safequarry.com)



which must be passed. The results are fed back online to Tarmac and stored on its server. Tarmac therefore always knows whether the contractor has completed the test before starting work on-site. If an individual has failed, further support can be provided to overcome any specific issue.

### BENEFITS

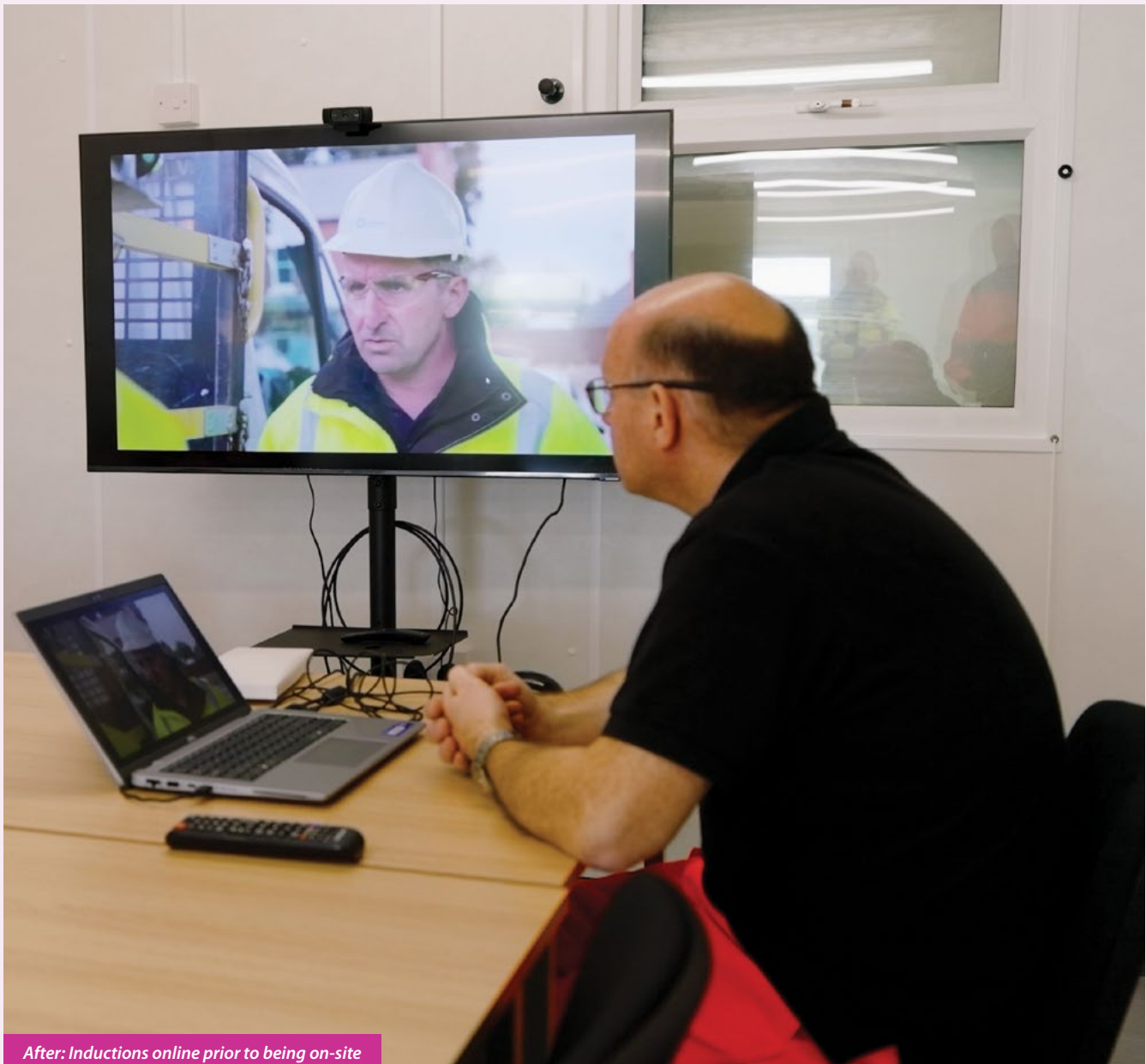
- Contractors are more in control of their own operations.
- The Life Saving Rules (LSR) and Test of Understanding is completed online.
- Results automatically recorded on the Tarmac server.
- Easier for both Tarmac and contractors to check that LSR tests have been completed and passed.
- Avoids contractors having to complete re-inductions when these are unnecessary.

- Positive feedback from the contractors involved with the new system.
- Contractors can directly induct new employees prior to them working on Tarmac sites.
- Enables site teams to concentrate on-site specific information and directly putting people to work.
- If contractors are working remotely, they are now able to complete individual daily 'fit for work' checks.
- A safer environment for all.

### DEVELOPMENT AND TRANSFERABILITY

Tarmac intends to use this system with all new contractors that work on Tarmac Pave sites within the region.

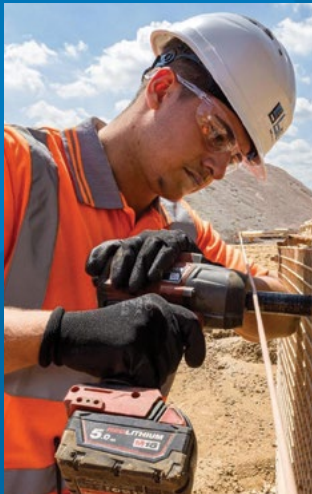
Following the excellent input and engagement from the contractors involved, Tarmac will also be inviting representatives from all its contractors to Tarmac's Regional Safety Days.



After: Inductions online prior to being on-site

# Young Leader Award

This is the award that recognises the importance of the young people who work in this industry and celebrates their drive, their enthusiasm, their energy and their willingness to challenge the status quo. These are the Health and Safety Champions.



**Harvey Cook**

**Brett Group  
Multi Skilled  
Apprentice**

*"An inspiring young leader helping shape a safer future for our industry."*



**Declan Fielding**

**Marshalls PLC  
SHEQ Compliance  
Lead**

*"A future leader driving safer standards through visible leadership and innovation."*



**Lewis Davidson**

**Marshalls PLC  
Shift Mechanical  
Maintenance  
Engineer**

*"Demonstrating exceptional ownership, initiative and commitment to safer operations."*



**Ewan Binnie**

**Marshalls PLC  
Operations Team  
Member**

*"A future leader driving safer standards through visible leadership and innovation."*



**Jack McNally**

**Marshalls PLC  
Shift Mechanical  
Maintenance  
Engineer**

*"Recognised for professionalism, resilience and a strong commitment to safety."*



**Andy McBride**

**Tarmac  
Multi Skilled  
Operative**

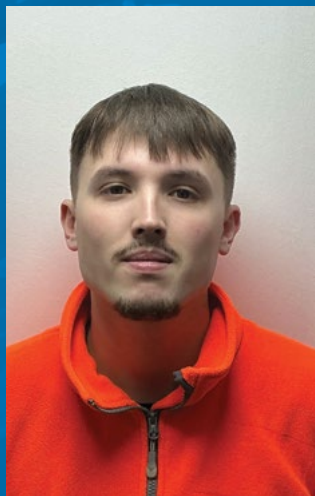
*"A future leader driving safer standards through visible leadership and innovation."*



**Flo Wooldridge**

Holcim UK  
Higher Apprentice  
(Cement)

*"Championing  
Zero Harm through  
proactive leadership  
and cultural change."*



**Tyler Hemming**

Tarmac  
Higher Apprentice

*"An inspiring young  
leader helping shape  
a safer future for our  
industry."*



**Rhys Scott**

Marshalls PLC  
Operations Team  
Manager

*"An inspiring young  
leader helping shape  
a safer future for our  
industry."*

**WINNER**

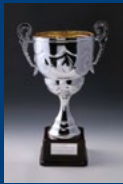


**Owen Bevan**

Marshalls PLC, Electrician

***"Demonstrating exceptional ownership,  
initiative and commitment to safer operations."***

*The judges said it was very difficult to select a winner from the outstanding individuals nominated for this award. The winner was selected because the judges felt 'he had demonstrated all the facets of what good leadership looks like already in his career so far. The commitment to his role and the ability to see beyond it taking on wider responsibility is truly impressive'.*



# Eurobitume Award

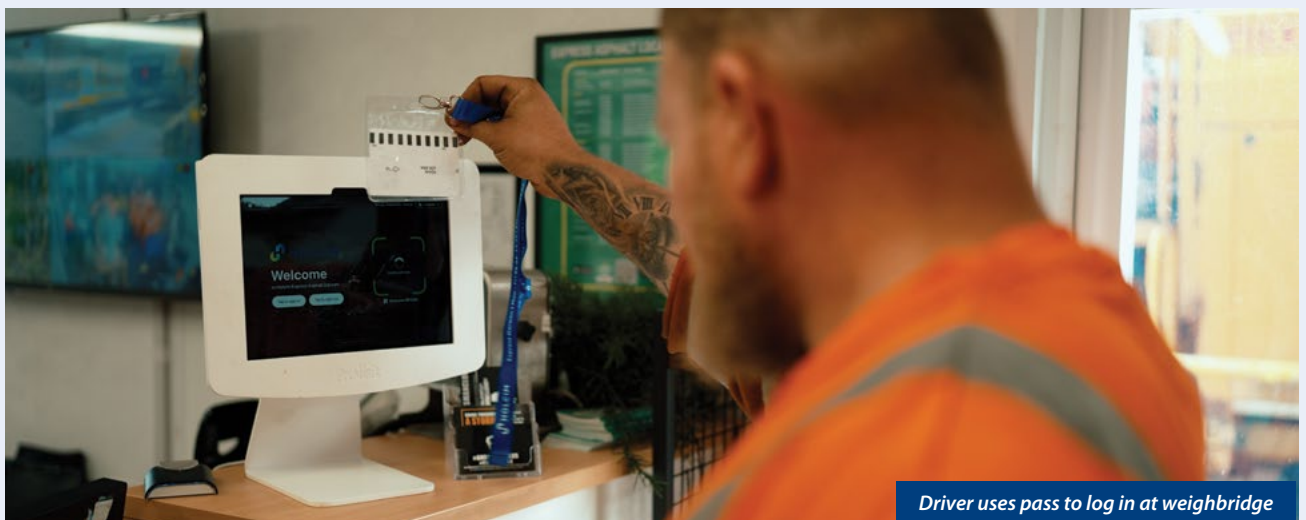
The Eurobitume Trophy recognises an outstanding innovation or initiative that has delivered a significant improvement in the health, safety or wellbeing of operators engaged in activities involving the handling of bitumen, coated stone, asphalt or contracting.



The judges said **'This entry tackled a critical part of site safety: the induction process. Only by making people aware of site-specific procedures and processes can steps be taken to improve and ensure safety for all personnel on-site, including visitors. This was a very good entry and a worthy winner of the Eurobitume Award.'**

## Collect customer induction project

Holcim UK



Driver uses pass to log in at weighbridge

### DESCRIPTION

Darwen Express Asphalt is a fast turnaround, asphalt collection facility, the site is compact with customers constantly arriving, collecting and leaving, on average 50 to 60 vehicles are processed every day. The site never knows who's going to come in, basically anyone can just drive in.

It was therefore important to ensure that every customer received the same induction information and understood how to operate safely on-site. The existing process was based on giving a verbal site induction to the collect customers when they arrived at the weighbridge. Due to staff rotations on the weighbridge, it was difficult to track the frequency and quantity

of the inductions, and the content could vary depending on who delivered the induction. Additionally, during incident investigations, it could be difficult to demonstrate that a thorough induction with all relevant content had taken place.

### Typical behaviours that exposed the collect drivers to hazards were;

- Failure to follow planned routes around site.
- Failure to wear the correct PPE.
- Failure to follow safe behaviour when exiting cab and exposing themselves to live traffic.



- Climbing on roof of hotboxes rather than using safe platform on-site.
- Exiting cab in an area where there was potential for exposure to RCS (mixer load out area during cleaning).
- Failure to stay in cab during loading exposing themselves to potential to be struck by falling material.

In reviewing how to improve the process, the team recognised that they needed to ensure site inductions are consistent, that all relevant safety issues were covered and to prove that they have been understood correctly. The team found ProVisit, a company that provided a fully digital, site-specific induction system, that would standardise and control the entire induction process when a customer arrives on-site. Drivers would be able self-administer the digital induction at the weighbridge using this system.

The system is linked to a site-specific loading process video which also provides a summary of the primary site hazards. To create the video, the team at Darwin made a list of the most relevant safety issues and the requirements of Express Asphalts' induction procedure. A video was produced that enabled the driver to run through the whole process that he should follow on the site, identifying and explaining potential hazards or unsafe behaviour as they proceeded through the loading process. At the end of the video, to check their understanding, the driver had to complete a series of test questions.

Once the test is successfully completed, a site pass is generated that gives the visitor access to load asphalt. If the test is failed, they can revisit the video or discuss the issue with a site operative to improve their understanding. The system requires a record of the customer's full name, the company they work for, and a photo which is taken by the laptop and is then included on their printed pass. The pass also includes the site contact number and details of the site's opening time, the most common reason for customers calling the weighbridge.

Visitors retain their pass which is attached to a lanyard and includes a QR code, this can be scanned upon their next visit, verifying an in-date induction. Once loaded, the customer scans out and the system records their full visit electronically. The induction remains valid for 12 months from the date of issue.

The system was rolled out in August 2025, and to minimise disruption to the business, this was phased over the month, initially capturing regular customers and then extending it to the less frequent and first-time visitors.

### BENEFITS

- Better adherence to and understanding of safety issues.
- Reduction in health and safety incidents on-site that involved visitors.
- Improved efficiency of the weighing-in process.

- Faster turnaround and reduced time on-site for visitors.
- The system is simple to use, and it is consistent for everyone.
- Improves security as the pass includes photo identity.
- Provides detailed tracking of each visitors' activity on-site.
- Improved understanding of customers activities.
- Improved quality of the induction process.
- Visitors can discuss with site operatives areas where they failed the test, ensuring full understanding of the relevant safety issue.
- If visitor breaches site rules, their record can be updated so that the next time they visit, this will be flagged to facilitate a safety dialogue with them.
- Reduced enquiries to weighbridge about opening times.
- In the event of an emergency, easy to generate list of customers on-site.
- Positive feedback from customers.
- A safer site for all involved.

### DEVELOPMENT AND TRANSFERABILITY

Currently, this system addresses the knowledge requirements for visiting customers only. To enable them to demonstrate their competence and qualifications, there is the possibility that the system could also store driving licences and training records, e.g. hotbox training certificate, PPE training, etc.

The next phase will be to develop the system to include an induction for drivers delivering bitumen and fuel, which are currently excluded from the MPQC card scheme applicable to aggregate deliveries. A video specific to their requirements will be added to the system to capture these important inductions electronically.

Express Asphalt are reviewing the possibility of rolling out the system across the rest of the Express Asphalt network.



# 'The Fatal 6'

- Mitigating the high consequence hazards in the Mineral Products Industry.
- 94% of fatalities in the industry fall within these six common themes.

**1**  
Contact  
with moving  
machinery and  
isolation

**2**  
Workplace  
transport and  
pedestrian  
interface

**3**  
Work at  
height

**4**  
Workplace  
Respirable  
Crystalline  
Silica

**5**  
Struck by  
moving or  
falling  
object

**6**  
Road Traffic  
Accidents



To find out more about 'The Fatal 6' go to [Safequarry.com](http://Safequarry.com)



# 'The Fatal 6' Award

The winner of this award is chosen by an MPA panel. Entries are reviewed from across the seven Topic Awards that have been selected by the judges because they demonstrate the greatest potential to mitigate hazards associated with 'The Fatal 6'.

This year the judges have selected two joint winners because both their entries could eliminate potential hazards that are faced by operators on a daily basis across the mineral products industry. The widespread adoption of these two applications will prevent fatalities and serious injuries – helping to ensure that everyone goes home safe and well everyday.

Joint winner 'The Fatal 6' Award – Also finalist in Safer Production



## Isolation try out point next to mixer point

### Tarmac

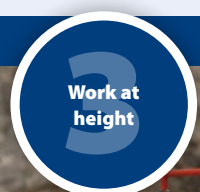
This entry was selected by the judges because it was a simple yet effective way of eliminating a high risk that exists across multiple sites where the proper application of LOTOTO is compromised in the final Try Out step of the process, when operators have to move to a separate part of the plant or communicate with others remotely to complete it.

One of the judges commented that 'It appears to me that this should be an industry standard (safer by design) given what we know about the common pitfalls of LOTOTO.'



Try-Out switch by isolation point

Joint winner 'The Fatal 6' Award – Also finalist in Safer Production



## Eliminating work at height when refuelling excavators with Ad-Blue

### Chepstow Plant International Ltd

The judges felt this was an excellent example of the application of the concept of making machinery 'safer by design'. They felt that it should be adopted universally by industry and would urge manufacturers to consider making these modifications part of their standard offering or as an option that could be retrofitted. A groundbreaking and innovative way of eliminating a risk that occurs daily, dragging a heavy, oily fuel hose onto the back of an excavator.



AdBlue at ground level



# Stay Safe

## Advice from the mineral products industry

The tragic deaths by drowning of teenagers at inland water sites during the recent hot weather highlights the vital importance of being aware of and sharing water safety advice. Around 60% of accidental drownings in the UK occur at inland water sites such as rivers, reservoirs, canals and lakes, including former quarry lakes or water filled voids that have resulted from mineral workings.

Alongside other safety organisations, MPA is highlighting the following actions. Please share them with your own friends, family, and local communities:

**If you see someone in trouble in the water, act, whilst remaining safe yourself by remembering PHONE... FLOAT...THROW.**

- PHONE 999 to get help.
- FLOAT tell them to stay calm and float on their back.
- THROW them something that floats to help them until the emergency services arrive, do not enter the water.

[Watch and share this video](#)

**What to do if you are in trouble in water - FLOAT TO LIVE**



Phone Float Throw Video



Float to Live Video

- Tilt your head back submerging your ears.
- Relax and try to control your breathing.
- Move your hands and legs to help you stay afloat.
- Your legs may sink – that's OK. Everyone floats differently.
- Practice floating at a supervised location like a swimming pool. [Watch and share this RNLI video](#)

**Cold Water Shock is a killer:**

- Sudden immersion in cold water can cause you to gasp involuntarily and inhale water, a rapid increase in breathing and the onset of panic. A deadly combination that can drown even strong swimmers.



- Even in mid-summer, the water in many quarry lakes will be well below 15°C, causing cold water shock.
- It also causes finger stiffness (making it difficult to climb out), reduced coordination (making it difficult to swim/tread water) and general muscle weakness.

**Water in active and disused quarries is likely to be dangerous because:**

- The water in quarry lakes can be very deep and very cold with sudden, unexpected changes in depth due to shelving and steep or crumbling sides making it difficult to exit.
- Submerged machinery or rocks can injure jumpers or swimmers. Underwater plant, machinery or debris that can trap you. There are currents or powerful underwater pumps.

**MPA Resources and Support**

The Mineral Products Association (MPA) has produced industry specific resources that can be used to support community engagement programmes with schools and others. Go to the Stay Safe area on MPA's website – [mineralproducts.org/Stay-Safe](http://mineralproducts.org/Stay-Safe), if you require specific support.

## Topic 6

# Safer through improvements in health and wellbeing



**This award relates to initiatives that improve the health and wellbeing of people. This could be at a specific site, within a division, or a company-wide initiative. This could include:**

- Management of mental health, diet, fitness, medicals.
- Management of hazards such as dust, chemicals, HAVs or noise, if not more appropriately covered in an earlier topic.

**VISION ZERO**  
SAFE & WELL EVERY DAY

WINNER	
<b>GRS Group</b>	'Let's Talk' campaign to improve health and wellbeing by encouraging openness and providing support systems
FINALISTS	
<b>Hills Group</b>	Wellbeing Hub and mental health
<b>Smith &amp; Sons (Bletchington) Ltd</b>	Smiths Wellbeing Programme: Championing health, safety, and employee wellbeing
HIGHLY COMMENDED	
<b>Mansfield Sand Co Ltd</b>	Introduction and roll-out of personal moulded ear plugs
<b>CEMEX</b>	Defibrillator awareness and confidence building session
<b>Holcim UK</b>	Prostate and bowel at home screening test
<b>Holcim UK</b>	London RMX digital lighthouse control room project
CERTIFICATE OF MERIT	
<b>Holcim UK</b>	Mental health in action
<b>CEMEX</b>	Health, wellbeing and team building
<b>Forterra PLC</b>	H&S operational excellence – Baseline assessment
<b>CEMEX</b>	Wedge pit safety



**WINNER  
GRS GROUP**

Awareness day

# 'Let's Talk' campaign to improve health and wellbeing

**GRS Group**



### DESCRIPTION

"People at the heart of everything we do" is the guiding principle behind all GRS business decisions and initiatives. This focus on people is a recurrent theme, notably through the company's approach to safety, people development, and crucially, health and wellbeing.



In the aftermath of the Covid pandemic, the GRS senior team noticed increasing numbers of wellbeing and mental health issues in the workforce. Having shared resources designed to help people to improve their mental wellbeing, it became clear that this was a bigger issue than the company had previously realised.

Consequently, in 2022 the foundations were laid to launch 'Let's Talk', a wide-ranging, ongoing programme backed by groundbreaking commitments, to training and resources designed to eradicate the stigma that surrounds wellbeing and mental health.

The aim was to change the culture to one in which people could speak openly about their struggles without judgement or criticism, helping people to feel confident enough to speak out.

Many organisations treat wellbeing as a part of health and safety. GRS chose to keep wellbeing distinct, recognising that the factors that affect a person's wellbeing may, or more likely, may not be work-related, yet can profoundly affect their ability to do their job effectively and safely.

Partnering with a specialist organisation, GRS began educating people at all levels on causation and the onset of health and

mental problems. The company's objective was to improve everyone's awareness of their personal health and wellbeing, by investing time, effort and resources to build an extensive suite of ongoing 'Let's Talk' initiatives.

This holistic approach, which everyone could feel part of, delivered a rapid acceleration in awareness and appreciation of mental and physical health. The mantra that "it's okay to not be okay" became established and has helped numerous employees to realise positive life-changing outcomes from difficult situations.

GRS ensured that all its drivers, site operatives and office-based staff had access to the health and wellbeing support, no matter what their role or location.

GRS also recognised that it was imperative that employees, especially managers, were equipped to recognise mental symptoms and then listen, respond and support without trying to 'diagnose' or 'solve' – with those struggling signposted to trained professionals.

### GRS embedded 'Let's Talk' in numerous ways including:

#### Let's Talk Pledge

Everyone at every location signed the 'Let's Talk' Pledge poster reinforcing the right way to think and act towards mental health.

#### Signposting Help

Professional support is widely communicated through events, videos, posters, letters to home, banners, giveaways and more.

#### Employee Assistance Programme

Investment in an enhanced EAP for employees and their families, providing confidential advice and support for Personal Resilience, GP Services, Legal/Financial Help and Carers.

Visit [www.safequarry.com](http://www.safequarry.com) for more details or email: [info@safequarry.com](mailto:info@safequarry.com)



### Embedding Through Management

Let's Talk launched at GRS's annual management conference and wellbeing is now a fixed agenda item for discussion in all management meetings.

### Management Training

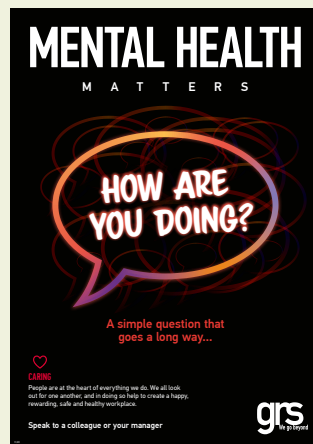
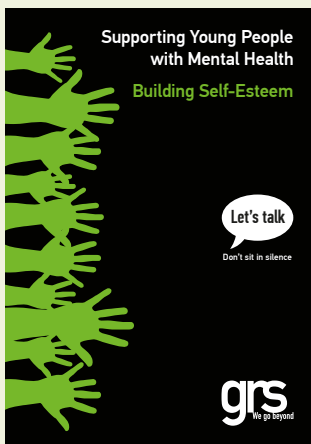
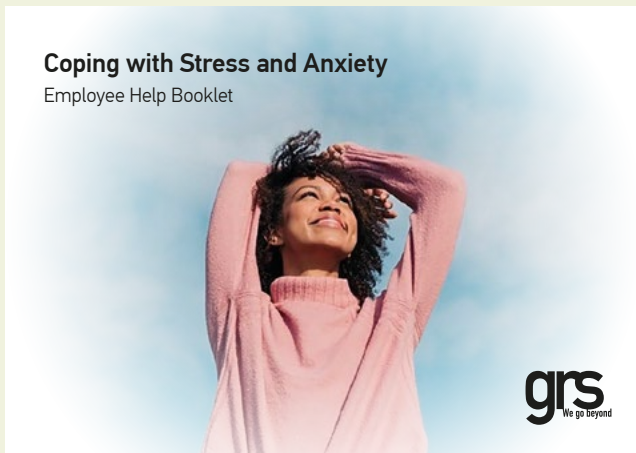
MindUK delivered mental health training and Wellbeing Action Planning to over 200 managers, improving their knowledge and recognition of mental health.

### Staff Resourcing

GRS appointed 6 Health & Wellbeing Ambassadors nationwide and recruited an experienced Health & Wellbeing Advisor in a permanent position.

### Awareness Days

GRS uses national and international awareness days to reiterate and reinforce its approach in an engaging and fun way.



Sample posters from campaign

### Booklets and Guides

GRS produced a suite of booklets aimed specifically at its workforce and covering everything from mental health and sleep advice to menopause and healthy eating

### Videos

Videos were created on sensitive issues which involved employees talking about their own experiences.

### Men's & Women's Health Issues

A range of campaign resources, including videos, webinars, booklets etc were created to improve awareness and openness about health issues that are gender specific.

### Absenteeism

GRS overhauled the way sickness was recorded. This identified that 13% of reported sickness was a result of mental health issues, with wellbeing a factor in most absences. This enabled provision of better support for those feeling unwell.

### BENEFITS

- A more focused, alert and resilient workforce.
- A happier and healthier workforce.
- Reduction in individuals engaging in unsafe acts.
- "It's okay to not be okay" is cemented into the culture at GRS.
- In first 12 months of the campaign, there were more than 100 separate enquiries to managers or ambassadors seeking support.
  - including 7 colleagues with suicidal thoughts provided with specialist support.
- Numerous employees helped to realise positive life-changing outcomes from difficult situations.
- A more productive and safer environment for all.

### DEVELOPMENT AND TRANSFERABILITY

Whilst GRS has produced many resources to provide support as part of this campaign, the true innovation in 'Let's Talk' was changing the culture to one where there is no longer stigma attached to health and wellbeing struggles.

As such, 'Let's Talk' set GRS and its employees on a journey of learning that is ongoing. Lives are continually changing and health and wellbeing will always affect different people in different ways and at different times.

Such has been the success of 'Let's Talk' in relation to mental health and wellbeing that the company went on to apply the same approach to the following areas: Alcohol, Back Care, Cancer, Children's Mental Health, Exercise, Healthy Eating, Heart Health Hydration, Menopause, Osteoporosis, Sleep, and Sun and UV Safety. More will follow.





# Championing health, safety, and employee wellbeing

Smith & Sons (Bletchington) Limited



Safety and Wellbeing Focus Day

## DESCRIPTION

Smiths have developed a multi-faceted Wellbeing Programme in response to evolving staff needs, addressing issues such as mental health challenges, physical wellbeing, financial pressures, and social isolation.

The programme also tackles hazards identified in 'The Fatal 6', by raising awareness and encouraging positive behavioural change through initiatives like an annual health, safety and wellbeing focus day.

A dedicated Wellbeing Team has been established to ensure that the programme is proactive, responsive, and tailored to real-world challenges. The team offers real-time, empathetic support tailored to individual needs, ensuring colleagues feel truly heard, supported, and empowered.

The team meets regularly to share ideas and drive initiatives, building on the feedback and suggestions from employees. At the core of the programme is the belief that when people are well, they thrive both professionally and personally.

Smiths recognise that enhancing employee wellbeing requires a broad and proactive approach, which is personal and human-led. This helps to build trust, connection, and understanding in ways that technology alone cannot replicate.

The beginning of this approach was the establishment of a team of Mental Health First Aiders. Over time this has evolved into a comprehensive, holistic and preventative approach that proactively supports all aspects of employee wellbeing that includes activities both inside and outside of the work environment.

### Key activities include:

- An annual Health, Safety and Wellbeing Focus Day, where all staff are involved, and topics are selected such as nutrition and mental health.
- Activity challenges to encourage physical activity and engagement both in and outside of work.
- The development of the Gill Mill Wellbeing Walk, providing a tranquil space for mindfulness and relaxation.
- An annual Family Fun Day to strengthen social connections and work-life balance.
- The renewal and enhancement of the Employee Assistance Programme, offering advanced support packages to employees and their families.
- Partnerships with organisations like the Lighthouse Charity to increase visibility of support resources, with Smiths recently hosting the 'Make It Visible Campaign'.



- Actively promoting awareness days throughout the year to encourage open conversations and reduce stigma around mental health.
- Sharing information and resources on key dates including Suicide Prevention Day, World Mental Health Day, and Time to Talk Day.
- Providing mental health training for managers and supervisors, equipping them to support everyday conversations, recognise early signs of stress, anxiety or other mental health challenges and manage workloads and expectations while prioritising employee wellbeing.
- Providing a comprehensive health surveillance programme tailored to job roles, delivered across multiple locations for every employee.
- One-to-one health, safety, and wellbeing objectives set through manager-employee conversations focusing on key safety, wellbeing, and behavioural safety topics.
- Managers working collaboratively with the relevant teams to implement targeted improvements.
- Paid leave for HGV drivers to attend medicals, supporting proactive health management.
- Charity events, including Elf Day and raffles, to foster community spirit and support worthy causes.
- Management at Smiths have demonstrated strong leadership by investing in resources, encouraging open conversations, and embedding wellbeing into the company culture. Each quarter, the management team meets with wellbeing as a standing agenda item, ensuring recent initiatives and upcoming activities are reviewed and supported.
- Communications supporting the change management process is clear, consistent, and varied. Updates are shared through newsletters, awareness days, and regular team meetings, ensuring that information is accessible, timely, and reinforces key messages across the business.
- Vision Zero drives a culture of safety and wellbeing through shared values that promotes behaviour change, reinforces accountability, and ensures all employees can work safely and well every day.
- As part of Smiths first Health, Safety, and Wellbeing Focus Day, employees contributed ideas for a company safety tagline. The winning entry was:
  - "Smith's, Switch On, Let's Stay Safe Together".
- The tagline reflects Smiths collective commitment to Vision Zero and the active role every team member plays in maintaining a safe and healthy workplace.

#### BENEFITS

- A more resilient, engaged, and high-performing workforce.
- Enhanced mental, physical, and emotional health through targeted support programmes.

- Improved resilience, work-life balance, and morale across the workforce.
- Raised awareness of high-potential hazards.
- Reduction in near misses and high-risk incidents.
- Employees actively reporting near misses, and adopting proactive health, safety, and self-care behaviours.
- Leadership is visibly championing safety and wellbeing, reinforcing a positive culture.
- Improved employee knowledge of safe practices, risk identification, and preventative action.
- Employees are more productive and engaged.
- Reductions in absenteeism and staff turnover, decreases in downtime.
- Employees have developed a stronger sense of belonging and purpose, building stronger internal and external community connections.
- Increasing levels of participation by employees in the wellbeing programmes and safety initiatives.
- Positive feedback from employees.
- A safer, healthier and happier environment for all.

#### DEVELOPMENT AND TRANSFERABILITY

While technology and apps can provide information and tracking, Smiths has found that a human-led approach builds trust, understanding, and meaningful connections that digital solutions alone cannot replicate. Partnerships, awareness campaigns, and scenario-based training for managers facilitate continuous improvement and learning from best practice.

Smiths will be introducing new opportunities for growth and engagement. Planned improvements include expanded mental health training, broader workshops, guest speakers, and interactive activities. It will collaborate with leading health organisations and develop an internal resource hub to provide up-to-date guidance and support.

By prioritising people, organisations strengthen wellbeing and recognise employees as their core strength. When employees feel supported, organisations enhance wellbeing while cultivating a thriving, positive workplace culture.





# Wellbeing Hub and mental health

Hills Quarry Products Ltd



Communication poster

## DESCRIPTION

Hills operates across the UK in waste, quarrying, and house building sectors. To support employee wellbeing, Hills launched the Wellbeing Hub – an accessible platform offering mental health support, physical activity guidance, financial wellbeing tools, and signposting to confidential counselling. The company has also trained Mental Health First Aiders across all sites to provide immediate peer support.

The Hub addresses mental health stigma, fatigue, and fragmented support systems. It fosters a proactive culture of openness and prevention. As the majority of Hills workforce are operationally based and do not have access to the internet whilst they are at work, Hills wanted something that they could access outside of work, that would be useful not just for themselves, but family and friends as well.

This initiative also supports mitigation of risks linked to fatigue and distraction, indirectly addressing 'The Fatal 6' through improved mental wellbeing.

The development and implementation of the Wellbeing Hub was a collaborative, multi-phase initiative led by HR and supported by senior leadership, site managers, and frontline employees.

The process began with a comprehensive assessment of needs, including employee surveys, focus groups, and analysis of absence and incident data. This informed the design of a centralised platform offering mental health support, physical wellbeing resources, financial guidance, and access to confidential counselling.

Worker consultation was integral throughout. A wellbeing working group of employees contributed to the design, content, and accessibility features of the Hub. Feedback loops were established via HR operational monthly meetings and employee newsletters. This ensured the Hub reflected real needs and fostered ownership across the workforce.

### The Hub was based on 4 wellbeing pillars;

Mental Health, Physical Health, Financial and Lifestyle

Each month a campaign would focus on a topic covered by 1 of the pillars, keeping the messages practical, visible and relevant.

Leadership commitment was evident from the outset. Directors and senior managers endorsed the initiative publicly, participated in wellbeing working groups, and allocated resources for training and platform development. Their visible support helped normalise conversations around mental health and wellbeing.

Communication was multi-channel and inclusive, using posters, digital screens, newsletters, team briefings and direct mailed wellbeing hub booklet. Messaging was clear, consistent, and reinforced the company's commitment to wellbeing as a core safety value.

Training quality was high. Hills introduced Mental Health First Aider training across all sites, equipping staff with the skills to support peers and escalate concerns appropriately. Supporting materials included e-learning modules, printed guides, and access to external resources. Regular support and supervision meetings for all Mental Health First Aiders ensured they felt adequately supported.



Systems and processes were updated to reflect the new wellbeing focus. Risk assessments and Safe Systems of Work (SSOWs) now incorporate mental health considerations. These changes embed wellbeing into Hills operational safety framework.

Ongoing monitoring and assessment of traffic data to the online website informs refinements and future content, helping to increase employees' sense of feeling supported and improved awareness of the available resources.

Stakeholder involvement included collaboration with external wellbeing providers, occupational health professionals, and industry peers. Hills shared its approach at industry forums and with the MPA's Health & Wellbeing Working Group, contributing to sector-wide learning.

This initiative reflects the MPA Vision Zero Values by proactively addressing health risks, promoting leadership and engagement, and embedding wellbeing into everyday operations.

**BENEFITS**

The Wellbeing Hub has delivered measurable benefits across the organisation. It has positively impacted employees, contractors, and operational efficiency.

- It provides a centralised store and access for all wellbeing resources.
- Trained Mental Health First Aiders provide a safer, more supportive working environment.
- Employee wellbeing has improved.
- Engagement with the Hub continues to increase.
- Conversations around mental health have become more open.
- Employees are more likely to seek help early.
- Reduced stigma associated with mental health issues.
- A proactive approach to wellbeing has been fostered.
- Safety culture has strengthened.
- Fewer incidents linked to fatigue and stress – distraction and poor decision-making.
- Hub indirectly mitigates risks associated with 'The Fatal 6'.
- Reduced absenteeism and better focus on-site.
- Wellbeing audits have helped identify and resolve site-specific issues.
- Competence and confidence among staff have grown.
- A safer environment for all.

**DEVELOPMENT AND TRANSFERABILITY**

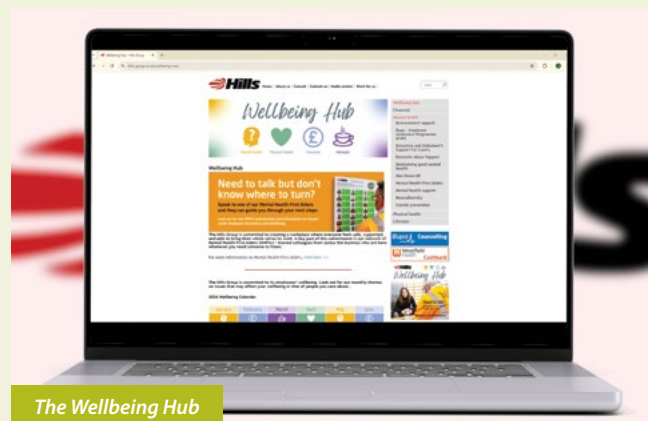
While wellbeing has traditionally been addressed reactively, this initiative shifts the focus to proactive, accessible, and inclusive support. It integrates mental, physical, lifestyle and financial wellbeing into one centralised platform, available to all employees. By combining technology, peer support, and leadership engagement, the Wellbeing Hub demonstrates a forward-thinking

approach to creating a safer, healthier, and more resilient workforce.

The Wellbeing Hub is designed with scalability and adaptability in mind. Future developments will include additional forms of media access to further improve accessibility. Hills is also exploring partnerships with external providers to enrich the content and support available.

Additionally, the Hub links to Hills updated risk assessments and SSOWs that specifically address exposure to Respirable Crystalline Silica (RCS). By embedding this information into the wellbeing strategy, we reinforce the message that physical health risks such as RCS are as critical as mental health and wellbeing.

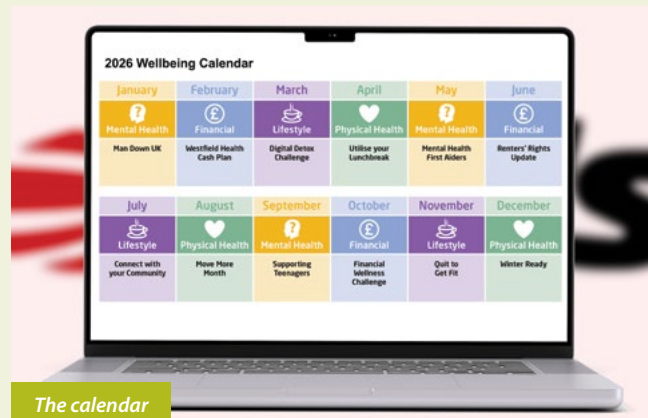
This initiative is highly transferable. Its modular design allows it to be tailored to different operational environments, making it suitable for other companies in the waste, quarrying, and house building sectors and beyond.



The Wellbeing Hub



The four pillars



The calendar

# Safer by Design



**Safer by Design is the campaign to ensure that health and safety is built into the core design of the mobile plant used in the mineral products industry.**

The health and safety features recommended in the Safer by Design module on Safequarry.com for mobile plant will eliminate or mitigate the high consequence hazards associated with 'The Fatal 6'.

The recommendations have been prepared by a cross industry working group of health and safety specialists. Please go to **www.safequarry.com** to:

- **Review** – key safety features listed for all mobile plant commonly used within the industry.
- **Specify** – the Safer by Design health and safety features when ordering new plant.
- **Audit** – existing plant to check how well it meets Safer by Design recommendations.

The screenshot shows the 'safer by design' website header with the mpa logo (essential materials sustainable solutions). Below the header are navigation links: SafeQuarry | About | Register | My Reports | Contact Us | Log on. There are three images of mobile plant: a yellow wheel loader, a yellow wheel loader with a red and white striped safety cage, and a yellow forklift with a red and white striped safety cage.

The main content area is titled 'Safer by Design' and contains a form with fields for Name, Review, Specify, and Audit. Below the form is a paragraph: 'This website has been developed to provide anyone responsible for the operation or maintenance of mobile plant with information on the essential health and safety features that should be incorporated on different type of plant. To find out more about Safer by Design please watch the video. PLAY VIDEO'. Below this is another paragraph: 'The Safer by Design health and safety features will eliminate or mitigate the high consequence hazards associated with 'The Fatal 6''. Below this is a table with 6 rows and 5 columns.

'The FATAL 6'	Risks	Visibility	Safety and security	Maintenance	Substandard materials
1 Contact with moving machinery and isolation			✓	✓	
2 Workplace transport and pedestrian interface		✓	✓		✓
3 Work at height	✓			✓	
4 Workplace Respirable Crystalline Silica					✓
5 Struck by moving or falling object				✓	
6 Road Traffic Accidents		✓	✓	✓	✓

Below the table is a section titled 'Please select what you would like to do' with three buttons: REVIEW (SBD recommendations by plant type), SPECIFY (SBD specifications for new plant), and AUDIT (SBD audit for existing plant). At the bottom of the screenshot is the text: 'Sharing health and safety resources helps us all work towards Zero Harm'.



# Topic 7

# Safer Together



**This award relates to initiatives where the main emphasis is on working together, leadership or behavioural change. This could be site-specific, divisional or company-wide initiative. It could include:**

- Training programmes.
- Safety days.
- Communication programmes.
- Cross site safety audits or similar initiatives.

SPONSORED BY



WINNER	
<b>Sibelco</b>	Gamification of safety and health – to reinforce our commitment to Zero Harm
FINALISTS	
<b>Lhoist UK</b>	Stay Safe Campaign
<b>CEMEX</b>	Working at Height emergency rescue
HIGHLY COMMENDED	
<b>Raymond Brown Group</b>	Strengthening leadership, collaboration, and safety culture across Raymond Brown Quarries
<b>Tarmac</b>	Barnstone clinker shed replacement
<b>Breedon Group</b>	'STRIKE' A simple procedure to follow, to avoid contact with cables when completing housekeeping tasks
<b>CPI Mortars</b>	Safety Citizen Behavioural Safety Campaign
CERTIFICATE OF MERIT	
<b>Holcim UK</b>	Evacuating a casualty from Heavy Mobile Equipment (HME)
<b>Imerys Aluminates Ltd</b>	"Like" poster campaign
<b>Tarmac</b>	People plant interface the safe approach
<b>Patersons Quarries Ltd</b>	QR Code for the reporting of near misses and safety observations
<b>Sibelco</b>	Hazard Hunting Competition – safer together
<b>Lhoist UK</b>	Enhancing Safety & Coordination: Permit to Work (PTW) magnetic board & documentation station
<b>Imerys Aluminates Ltd</b>	ASC4 Campaign
<b>CEMEX</b>	Improvement card management review
<b>Forterra PLC</b>	Visual Felt Leadership (VFL)
<b>Heidelberg Materials Ltd</b>	Swap Shop
<b>Tarmac</b>	Passenger lift system at Barrasford Asphalt Plant
<b>Banner Contracts</b>	Allowing our customers full visibility to our on-site operations
<b>Forterra PLC</b>	Site safety day events
<b>CEMEX</b>	Noticeboard
<b>CEMEX</b>	Internal regional Health and Safety briefing sessions



**WINNER**  
**SIBELCO**

ZEROPOLY board game

# Gamification of safety and health – to reinforce our commitment to Zero Harm



Sibelco > Company-wide

## DESCRIPTION

At Sibelco, safety is a core value with the company striving to achieve a zero-harm workplace. It is recognised by Sibelco that achieving this goal, requires new approaches to training and engagement.

In 2024, Sibelco introduced ZEROPOLY, an innovative safety and health board game. Designed to make safety training interactive and fun, ZEROPOLY has proven transformative in driving engagement and supporting a strong safety culture. Role play and participation are essential elements of the game.

ZEROPOLY combines quick-fire questions, and real-world safety scenarios that focus on Sibelco's Fatal 7 risks, which are broadly aligned to the MPA's 'The Fatal 6'

Built around the internationally recognised Bradley Safety Maturity Curve model, the game emphasises personal responsibility and collective accountability in safety practices. It's competitive structure featuring points, challenges and leaderboards, encourages active learning and friendly collaboration.

**Leadership and development** – The development of the ZEROPOLY gamification project was one of the Executive Committee's objectives for 2024, ensuring senior management support.

The project was overseen by Sibelco's Global H&S Centre of Excellence with support from an external consultancy, Optim Resources, that specialises in organisational transformation. The

concept had originally been developed by a speciality minerals and materials company, Omya, who had shared this with Sibelco as part of a H&S good practice exchange.

**Testing** – ZEROPOLY was tested by members of Sibelco's global H&S network and then piloted at the annual meeting of the Executive Leadership Team, who gave it enthusiastic endorsement.

**Promotion** – Communication was aided by a short teaser video, prepared in-house, with the game also being promoted in Safety Day resources.

**Training** – As each game session should be overseen by a facilitator, "Train the trainer" sessions were held with Sibelco's H&S network members. The role of the facilitator is to emphasise key learning points and encourage the players to sense-check and give feedback on the answers provided by opposing teams. This helps to develop a better understanding of safety and health requirements, and through these conversations and the role play within the game, prepares individuals to discuss and deal with objections to safety rules with their colleagues.

**Launch** – The game was launched during Sibelco's global Safety Day events in October 2024, this involved game sets being distributed to every Sibelco production site and office, over 140 sites globally.

As an added incentive to encourage participation, every game of ZEROPOLY played during the 2024 Safety Day events was rewarded with a donation to Sibelco's Ukraine Relief Fund, which totalled €4,200.



## BENEFITS

- Learning and reinforcement of Sibelco's safety requirements in a fun and positive way.
- Specific focus on combating the Fatal 7 risks.
- Learning achieved through play, in a safe, supportive environment.
- Helps to get people into the habit of effective, natural, structured safety conversations.
- Creates conditions for dialogue, honesty, transparency, consistency, fairness...
- Helps with overcoming and seeing beyond fears.
- Helps to break down barriers in the hierarchy.
- Inclusive – engagement at every level.
- Inspires willingness to challenge others.
- Inspires willingness to question what happens in the real world:
  - Position the site on the Bradley Curve
  - "Do we have this in place everywhere?"

- Builds relationships, creating a sense of shared responsibility for safety.
- Still used throughout the company.
- Participant feedback has been extremely positive.

## TRANSFERABILITY AND DEVELOPMENT

Gamification is an innovative approach in health and safety training, allowing people to learn through play in a safe and supportive environment that helps players to see beyond fears. It is much more engaging than traditional classroom-based training.

ZEROPOLY is being showcased to other companies who are interested in adapting the same concept to their organisations. Sibelco participates in workshops as a guest speaker, to share the company's experiences.

A second board game was developed in 2025 on the theme of Work at Heights – the game, called "Altitude Adventure", was inspired by 'Snakes and Ladders'.

Through Sibelco's experience with ZEROPOLY, it learned the value of translation into local languages, and the complexity of having trained facilitators for every game. The new game does not require a facilitator, and translations of the game rules have been prepared in all Sibelco languages.



Playing ZEROPOLY



# Working at height emergency rescue

CEMEX > Asphalt



Lowering the stretcher

## DESCRIPTION

CEMEX's asphalt business has fifteen plants, on these sites there are many structures which reach heights of up to 20m. Accessing the various levels of these structures often requires the operator to navigate vertical cat ladders, stairs and narrow walkways. While maintenance and inspections are routine, CEMEX was aware that the physical layout of these plants would make the extraction of someone in an emergency far from straightforward.

CEMEX also recognised that with its ageing workforce and their differing levels of fitness, some individuals were becoming more susceptible to the risk of a heart or stroke related medical emergency. With the existing methods of rescue CEMEX knew that if an operator became incapacitated due to a medical condition or injury that occurred at height, it would be reliant on the support of the emergency services to conduct a rescue.

The asphalt division wanted a rescue system in place that would enable it to extract a person to a safe position, where paramedics could administer treatment, without relying on the support of the emergency services. In addition, as standard fire engine ladders only reach 12.5m, there was already a potential shortfall in the ability of the fire service to use a ladder-based access for a rescue.

CEMEX invited Mines Rescue Training Services (MRTS) to advise on new equipment that would facilitate both confined space

rescue and getting an injured person down to ground level. The existing equipment was old, and the rescue plans had not been regularly reviewed or practised. Managers were not confident with the existing equipment and were reluctant to use it for a casualty without assistance. A significant step change was required to enable effective rescue.

MRTS was asked to visit each type of plant and review both working at height and confined space rescue. The plants were closed for the day so that all staff members could be involved in the visit. Using MRTS's advice, new equipment was selected and ordered. MRTS also demonstrated a rescue using the new equipment from the top of a baghouse at CEMEX's plant in the Docklands.

Following on from the Docklands demonstration, CEMEX bought all the asphalt site managers together at its Sheffield plant. The day started with a presentation and then moved onto the plant to conduct practical demonstrations. The managers compared the functionality and ease of use of the old and new equipment; they then practised a rescue from the top of the baghouse using the new stretcher and a weighted dummy.

The training for the managers across all fifteen asphalt sites in advanced rope rescue ensured that they could use the equipment themselves and pass that confidence down to their teams.



View from the top

### BENEFITS

- Removed reliance on emergency services to support a rescue from height.
- Rescue plans more effective and easier to implement.
- Improved the potential outcome for a casualty.
- Manager and staff confident in using the equipment.
- Equipment is reasonably priced.
- Equipment is more intuitive to use and less training required.
- Improved operational flexibility as the same rescue equipment is on all sites.
- Positive response from the workforce to the new equipment.
- More competent and confident workforce, keen to practice safety drills.
- Addresses concern that paramedics are not always willing to rescue above ground level.
- Helps CEMEX meet its legal and moral obligations for employee welfare.

### DEVELOPMENT AND TRANSFERABILITY

CEMEX's asphalt division has developed a more integrated working relationship with Mines Rescue Training Service. The multiple visits to the CEMEX sites have led to tailored training that goes way beyond the basic needs of legal requirement, it has ensured that practical working rescue plans are in place and have been drilled on each site. All the UK asphalt plants now have the equipment and appropriate plans and training in place.

The managers and staff at the plants are no longer fearful of undertaking a rescue. It has also led to an increased awareness of the hazards that may not have been fully appreciated before.

The rescue drills have attracted interest from other operations within Cemex UK, the learning points are now being shared with the aggregates, ready-mix and other businesses within the company.

This knowledge can also be applied and transferred to other businesses within the mineral products industry.



Stretcher safely on ground

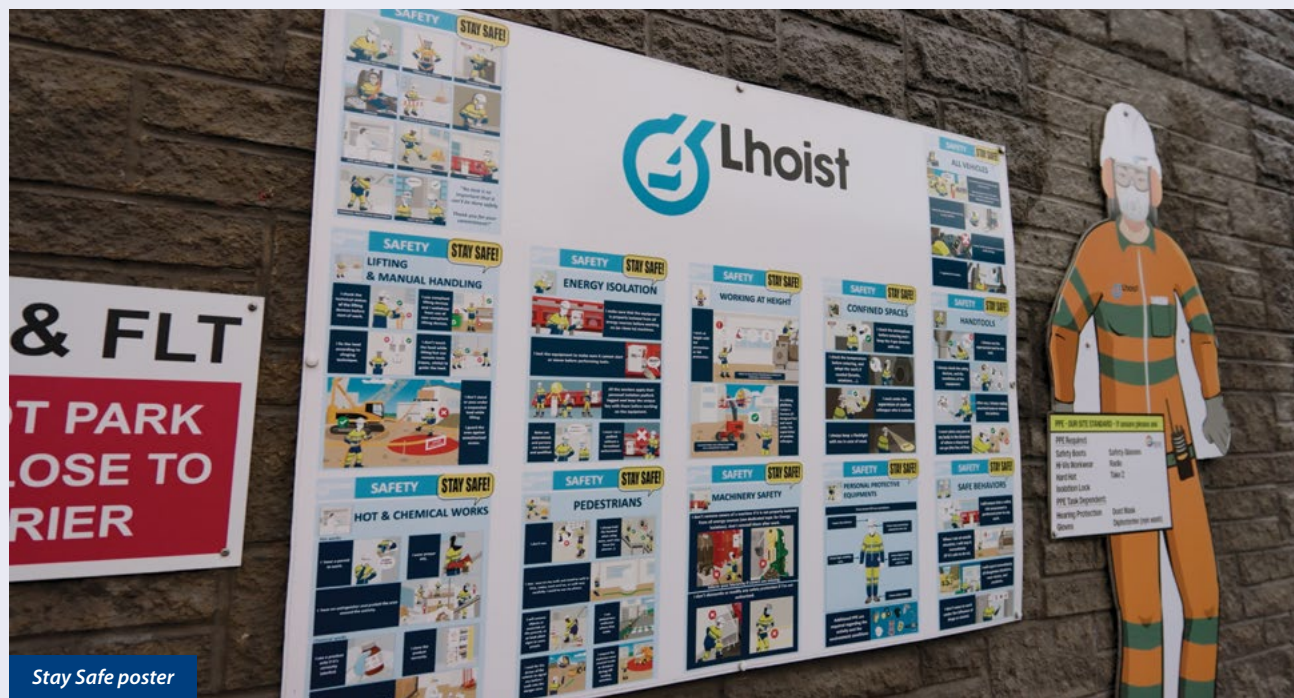


Lowering the stretcher



# Stay Safe Campaign

Lhoist UK



Stay Safe poster

## DESCRIPTION

Lhoist operates complex, high-risk industrial sites where both employees and contractors face hazards such as energy isolation, working at heights, vehicle movements, lifting, and confined spaces – many of which are directly related to 'The Fatal 6'. Despite a significant reduction in the Total Recordable Injury Frequency Rate (TRIFR) by over 50% in the last 15 years, serious incidents and near misses with high potential severity continued to occur at Lhoist, highlighting the need for further cultural and behavioural change.

The Stay Safe campaign was launched by Lhoist to address these persistent risks by reinforcing basic safety rules and empowering everyone on-site to take responsibility for their own safety and that of others.

### Implementation and Involvement:

The campaign identified 11 key groups of safety rules, which were communicated through monthly safety talks, visually engaging posters, printed booklets, and interactive "find the risk" activities. These materials were distributed to all employees and contractors, ensuring accessibility and relevance for every role on-site. Worker consultation was central: regular global surveys captured employee perceptions and suggestions, with the 2023 survey showing safety as the highest-rated topic (91% positive) but also highlighting areas for improvement in rule adherence. Employees were actively involved in safety dialogues, risk identification exercises, and feedback sessions, fostering a sense of ownership and empowerment.

### Leadership and Change Management:

Senior leaders endorsed the initiative, participated in safety dialogues, and modelled expected behaviours, reinforcing the message that "no task is so important that it cannot be done safely." The campaign was also supported by senior managers, who provided clear direction and resources, and celebrated achievements during events such as the World Day for Health and Safety at Work.

### Quality of Communication and Training:

Communications were high quality, multi-channel, and tailored to site needs. Safety rules were presented in clear, actionable formats including posters, booklets and digital tools, making them easy to understand and apply. Monthly safety talks and interactive activities ensured ongoing engagement and reinforced key messages. Training was not limited to technical skills, also focusing on developing safe behaviours, leadership skills, and the ability to stop unsafe work, in line with MPA Vision Zero's empowerment and leadership values.

### Systems, Processes, and Evidence:

The campaign was integrated into existing safety management systems, including ISO 45001:2018, and supported by robust processes such as risk assessments, audits, and incident reporting. The effectiveness of the initiative was monitored through surveys, incident statistics, and feedback mechanisms. The reduction in TRI by over 50% in 15 years, and the ongoing decrease in serious injuries and high-potential near misses, provide clear evidence of impact. Behavioural safety dialogues and the "Stop, Think & Go Safe" approach were trialled and refined, demonstrating adaptability and continuous improvement.



### Stakeholder Engagement and External Sharing:

A wide range of stakeholders have been involved, including employees, contractors, safety specialists, and external partners. The campaign's materials and outcomes have been presented at external events, supporting broader industry learning and alignment with the MPA Vision Zero strategy.

Alignment with MPA Vision Zero Values:

The Stay Safe campaign exemplifies all six MPA Vision Zero values: it empowers workers to intervene, demonstrates engaged leadership, enforces zero tolerance for unsafe conditions, delivers high-quality implementation, fosters collaboration and sharing, and ensures compliance with legal and industry standards. Through continuous improvement and active engagement, the campaign has driven a safer, more resilient, and empowered workforce.

### BENEFITS

- The campaign has significantly reduced the likelihood of serious incidents and near misses.
- Employees and contractors have become more aware of hazards.
- Employees and contractors are more empowered to intervene when they become aware of unsafe conditions.
- Employees have become more proactive in risk management.
- The campaign has fostered a culture where everyone feels responsible for safety.
- The campaign directly supports and is aligned with the MPA Vision Zero values.
- Safety is highly valued by the workforce, with a 91% positive score in a survey.
- Improved adherence to safety rules and greater willingness to report hazards.
- The campaign has improved competence and confidence among employees and contractors.



Interactive online resource

- The workplace is safer and more efficient with reduced disruptions from incidents.
- It has strengthened the health, wellbeing, and engagement of everyone on-site.
- Clear and measurable progress towards the goal of Zero Harm.

### DEVELOPMENT AND TRANSFERABILITY

The Stay Safe campaign is designed for ongoing development and continuous improvement across all Lhoist sites. Its modular approach using monthly safety talks, posters, booklets, and interactive activities allows for easy adaptation to local needs and hazards, ensuring relevance for diverse teams and operations.

The campaign is supported by group-wide systems such as regular audits, incident reporting, and behavioural safety dialogues, which facilitate the sharing of best practices and lessons learned between regions and divisions.

Further development is planned, including the rollout of new standards for mobile equipment, confined spaces, and electrical works, as well as updates to supporting materials and digital tools.

Elements of Stay Safe have already been adopted at multiple Lhoist sites and shared with external partners through cross-audits, benchmarking, and industry events. The campaign's flexible structure and proven effectiveness make it a strong candidate for broader adoption, supporting the collective goal of Zero Harm across the mineral products industry and beyond.



Workforce engagement

# Safequarry incident alerts and HiPo Reports

*'Everyone has the right to go home safe every day'*

However, every year people are killed or seriously injured whilst working on our sites. Many more incidents or 'near hits' occur but fortunately, without any adverse consequences.

It is essential that we learn from both incidents involving injuries and, as importantly, the 'near hits'.

All of these incidents are avoidable. To ensure they do not occur again, we must all share information about them and learn how they can be avoided. We are all 'Safer by Sharing'.

Safequarry incident alerts and HiPo Reports will help you to avoid similar incidents on your sites.

## FROM INCIDENTS FIND OUT:

- What happened?
- Who was involved?
- Why did it happen?
- Whether those involved were trained and qualified to undertake the task?
- What were the processes and systems in place, and whether they were followed?
- What supervision was in place?
- What equipment and PPE was used, and whether they were appropriate?
- The condition of the plant guarding and safety systems at the time of the incident?
- What were the other contributing circumstances to the incidents?
- What were the weather and light conditions at the time of the incident?

## AND HOW TO AVOID THEM ON YOUR SITE:

- What can I learn from this incident?
- Does the same hazard exist on my site?
- How can I make sure it will not happen on my site or within my organisation?
  - Can we engineer out the need for the task or mitigate the risk?
  - Can the process be changed or improved?
  - Do my people have the right skills/training?
  - Do they have the right equipment/PPE?
- What action must I take to mitigate these risks in my workplace?
- Who else must I share this information with or directly involve?
- When will I do this?

Register for free incident alerts from [Safequarry.com](https://www.safequarry.com)

Review the new HiPo reports on [Safequarry.com](https://www.safequarry.com)

**We are all 'Safer by Sharing'**

**Safequarry**  
The Health and Safety Hub for  
the Mineral Products Industry



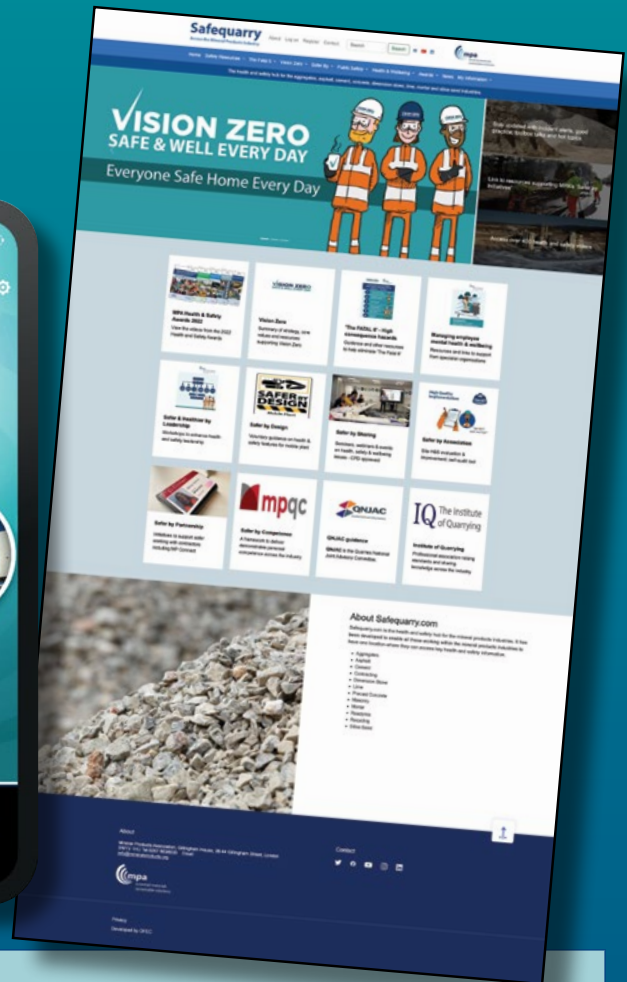
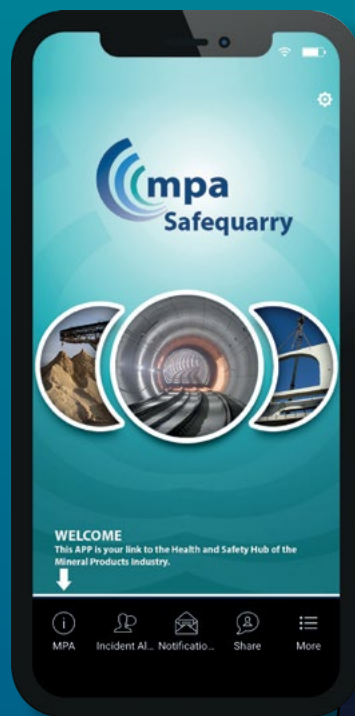
# Safequarry.com & Safequarry App



Safequarry is the free health and safety hub for the mineral products industry.

All product sectors are covered

- Aggregates
- Asphalt
- Cement
- Contracting
- Dimension Stone
- Industrial Sand
- Lime
- Masonry
- Mortar
- Precast Concrete
- Ready-mix
- Recycling

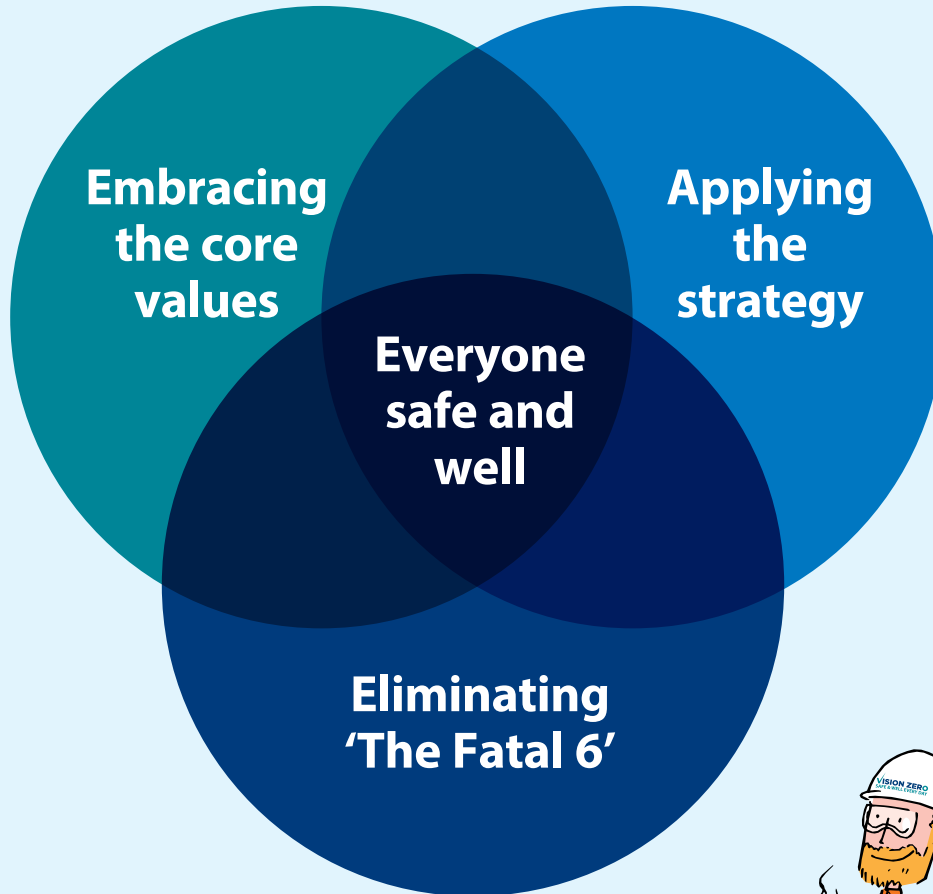


Extensive library of content and information on:

Safety resources	Focus on	MPA Initiatives
Good practice	IQ, MPQC and QNJAC	Safer and healthier by leadership
Industry guidance	'The Fatal 6'	Safer by Association
Toolbox Talks	Vision Zero	Safer by Partnership
Incident Alerts & HiPos	Quarries Partnership	Safer by Competence
Hot Topics	Public Safety	Safer by Design
Over 400 videos	Mental Health and Wellbeing	Safer by Sharing

Registered users receive alerts when new content is added.

**Winning ideas and innovations that  
illustrate the power of Vision Zero**



**SAFER BY SHARING – Please review the  
content of this guide and implement  
or adapt the ideas presented to make  
your workplace healthier and safer.**



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