

The background image shows a high-speed train on a track, with overhead power lines and a bridge structure. The image is overlaid with a large, semi-transparent red graphic that has a curved top edge and two vertical rectangular cutouts in the center. The text is positioned in the upper left corner of the image.

# macrail

The driving force  
in UK infrastructure

# “ We are ...

a business that provides the highest levels of safety and welfare across the worksites of the UK rail network

With our experience and innovative technologies, we are the driving force in rail infrastructure and construction services.



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Adam Crago, Managing Director, introduces our MacRail business to you as well as our vision for the rail infrastructure in the UK.

## 02 About MacRail

How we got to where we are now, a brief history of our rail service business.

## 03 MacRail, our work and our innovations

We've come a long way by embracing the digital environment and leading on site safety.

## 04 Case studies

Our portfolio of work in the rail sector, it's been a remarkable journey, successfully delivering high-profile projects at all corners of the British Isles.



# We are driving safety and welfare on the worksites of the UK rail network through innovative technologies

MacRail are market-leaders in driving safety and welfare on rail worksites around the UK. We pride ourselves in providing innovative solutions to ensure that our teams are kept safe and fit to work.

Established in 2001, MacRail were concerned about the management of worksites and wanted to ensure that by having proper planning, adequate supervision, good communication we could provide information, instruction and training to safety critical staff.

“Our innovations bring value to our clients and our open and collaborative approach means we are driving an environment of continual improvement and best practice.

Our sector-leading approach is evidenced by MacRail being the first business to introduce independent site access controllers, the first business to introduce site reports, the first to introduce command and control vans, the first business to have a 24/7 control centre, the first to introduce an App for site induction and sign in and the first business to introduce facial recognition for sign in and sign out of site.

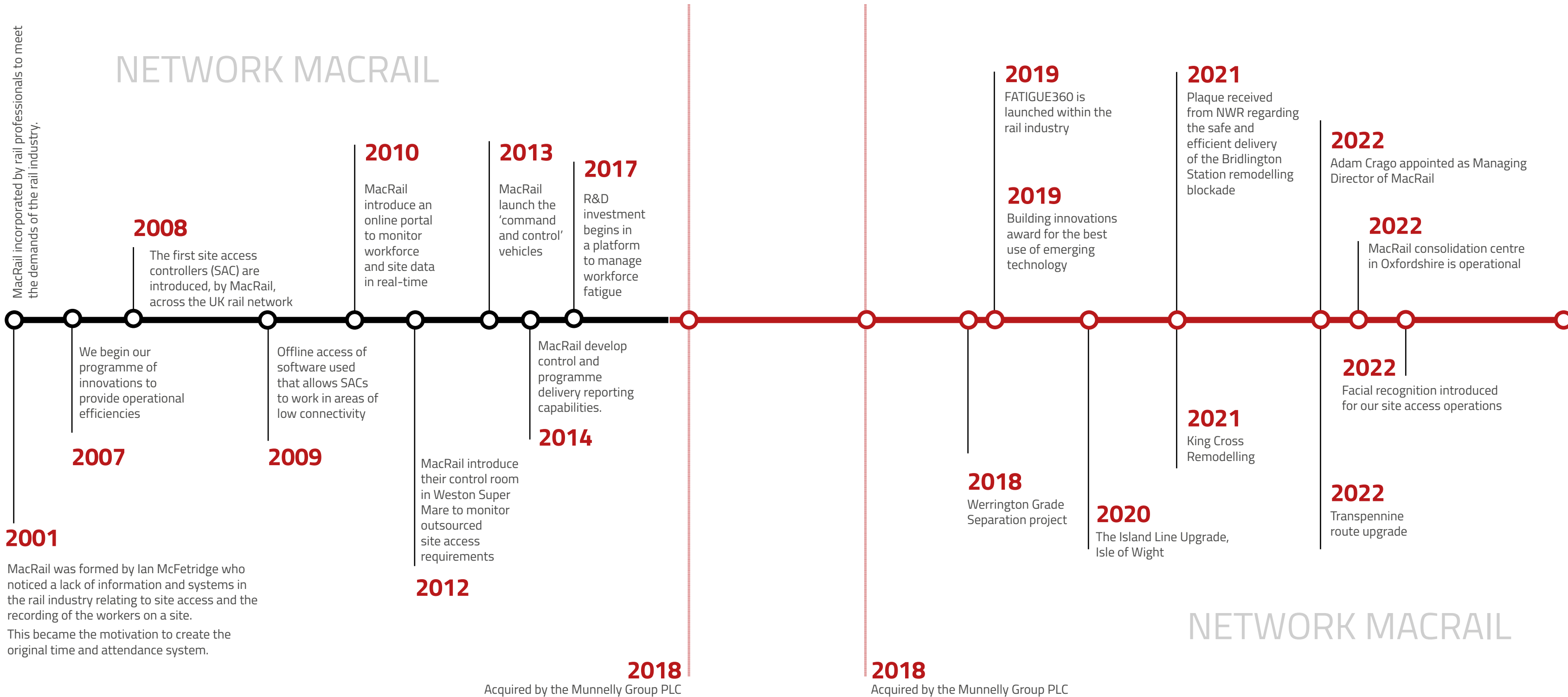
With innovations and standards consistently evolving, new legislation, technology and working practices are constantly being introduced.

Continuous improvement is vitally important to ensure our service delivery is of the highest quality. As part of our certified Quality Management System we have detailed a clear, continuous improvement process which is used to implement any new innovation.

We continue our journey and are committed to provide the safest and compliant working environments. With a proven track record, a strong portfolio of clients and projects, we are committed in providing site solutions that promote safety and wellbeing as the number one priority.

**Adam Crago**  
Managing Director  
MacRail

# NETWORK MACRAIL



We are MacRail | The driving force in UK infrastructure

We are MacRail | The driving force in UK infrastructure

# NETWORK MACRAIL



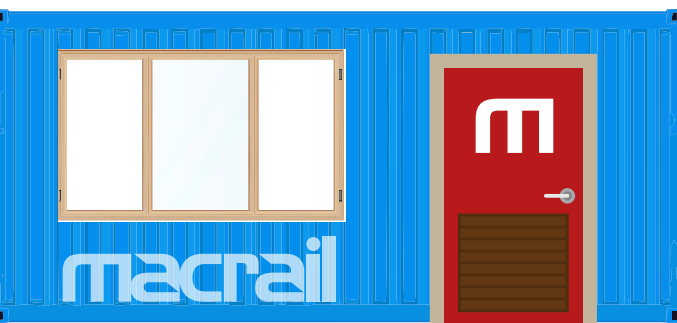
**Site access personnel**

Our team of dedicated on-site access controllers are the gatekeepers to your worksite. Fully equipped, they will manage all access requirements including site cleaning, security and car parking.

**Software solutions**

**Fatigue 360** fatigue risk rostering system helping businesses plan their workforce while reducing fatigue, environmental impact and costs.

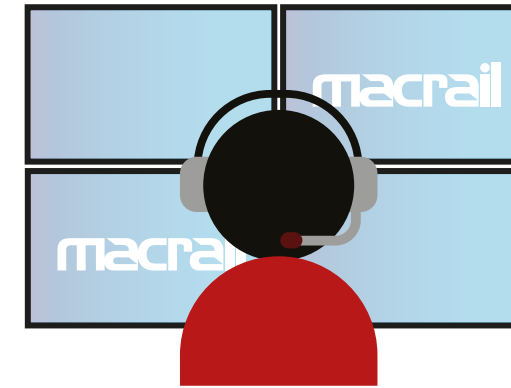
**MacRail Works Management System** is a complete end to end workforce management solution, all accessible from one cloud-based interface enabling stakeholders visibility of every aspect of their project



**Site set up**

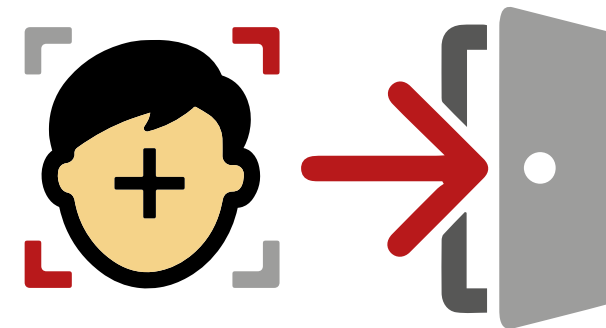
This includes full welfare and all site set up to ensure your teams have access to all the necessary amenities on site.

We also have fully equipped mobile site vehicles and units that can be set up quickly and efficiently.



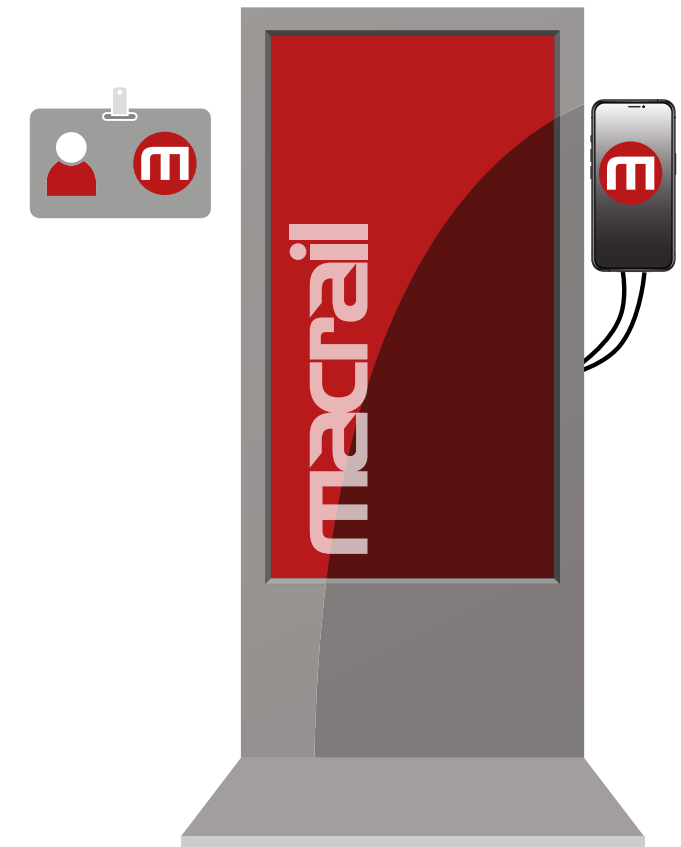
**24/7 control room**

A cost efficient way to manage all small remote sites which ensures safety and compliance and a complete out-of-hours service.



**Biometric solutions**

Contactless site access control which provides inductions and site specific briefings as well as health and safety checks. Our biometric software allows for an efficient way of recording time and attendance



**Digital signage**

The touchscreen device provides a bespoke screen to communicate with employees and customers visiting the workplace.

All of our digital signage tools integrate with MacRail Work Management System and facial recognition software.

“

We are the leading provider of worksite management software and the most trusted solution provider in UK Rail.

## Our service offerings

**Biometric solutions**

**Control room**

**Digital signage**

**Site access controllers**

**Site set up and welfare**

**Software solutions**

## Biometric solutions

Our biometric hardware and applications include facial recognition, accurately recording site personnel, time and attendance.

Accurately authenticating facial biometrics, the innovative hardware has been integrated with the MacRail System, giving you all the safety benefits you come to expect with our system, but with the added bonus of contactless sign ins.

The devices can be customised to prevent people breaching site rules, such as not having the required rest period, or not being inducted. They also complete a competency check while signing in, giving you the assurance that those on site meet industry criteria.

The device is the perfect solution for office and depot locations, offering time and attendance as well as a fire register. The biometric technology can also be linked to entrance doors for access and egress.

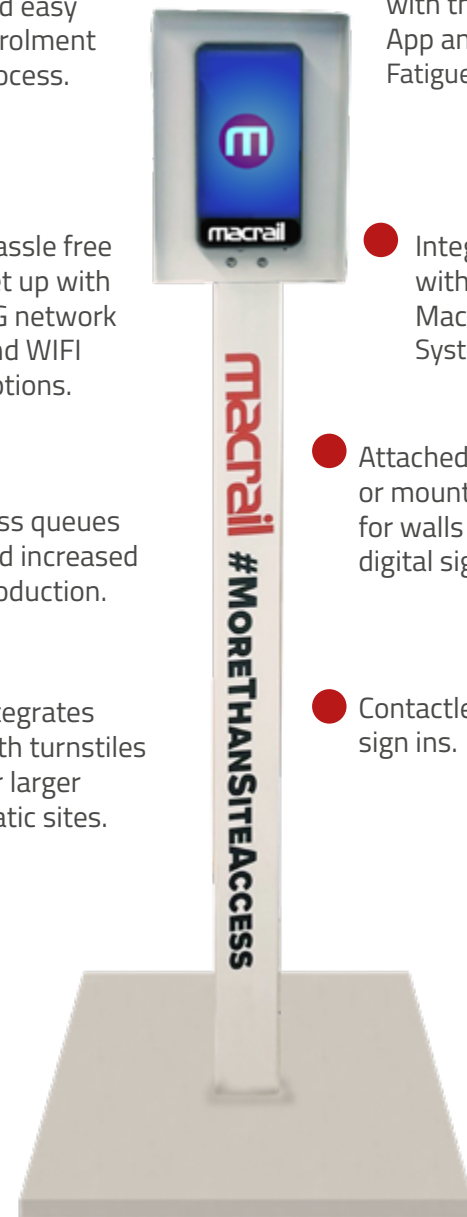
Multiple devices can be linked up to a single event and can be customised to permit entry or exit only, or a single device can handle both entry and exit capabilities.

The contactless signing in system provides an efficient way of recording time and attendance of planned shifts rostered in Fatigue 360 or the MacRail App. In the event no planned data is uploaded, the device will capture name, card details and signing in and out times of enrolled users.

If Fatigue360 is used, similar to our app, actuals recorded will feed back into the fatigue management system, giving you a full 360 of planned versus actuals.

The device will capture a picture of the user at the point of sign in and store it in the MacRail register. This allows you to confirm audit checks on identity and PPE.

- Quick and easy enrolment process.
- Hassle free set up with 4G network and WIFI options.
- Less queues and increased production.
- Integrates with turnstiles for larger static sites.
- Works seamlessly with the MacRail App and Fatigue360.
- Integrated with the MacRail System.
- Attached to a stand or mounting options for walls and our digital signage screen.
- Contactless sign ins.



## Effective worksite management with increased productivity and safety.

The MacRail App is used by the workforce to view induction and health and safety briefings ensuring they are aware of the risks and hazards before stepping foot on site.

The technology also reduces delays at site access allowing for increased production and reduced costs. Shift details are confirmed prior to arrival, meaning the final sign in with our site access is under ten seconds.

The system was designed similar to the early check in system you experience at an airport, meaning the user just needs to pass through 'security', rather than manually logging their details when they get to site.

Outputs of the app also allow the client to understand their workforce turnover, giving detailed reports on planned personnel that failed to sign in, unplanned staff that signed in and if anyone turned up late.

All of which feeds into supplier league tables. Alternatively, for smaller sites where there is no dedicated MacRail personnel, the app can be used for individuals to sign in and out, or a manager's licence allowing them to book their gangs into the MacRail System.

The system can also capture GPS location for audit checks and requires biometric authentication such as facial recognition or finger print to use the app.



**MacRail App**  
BEING UTILISED ON THIS SITE

Event Code:

## DOWNLOAD IT TODAY!

- Download App by scanning above QR CODE
- Sign Up to a new account
- Add your phone number to your personal profile
- Add your sentinel card number to your profile
- Wait for verification (ETA 5 mins)
- SYNC Account every time you open the App from the menu ☰
- Confirm shift details prior to arrival
- Complete sign in with MacRail

Contact us:

📞 01934 611 899

✉ firstlinesupport@macrail.co.uk

**macrail**

## Our Control Room provides a unique, 24/7 solution to assist your business with safety, security and compliance while being a cost-effective solution to reduce your labour requirements.

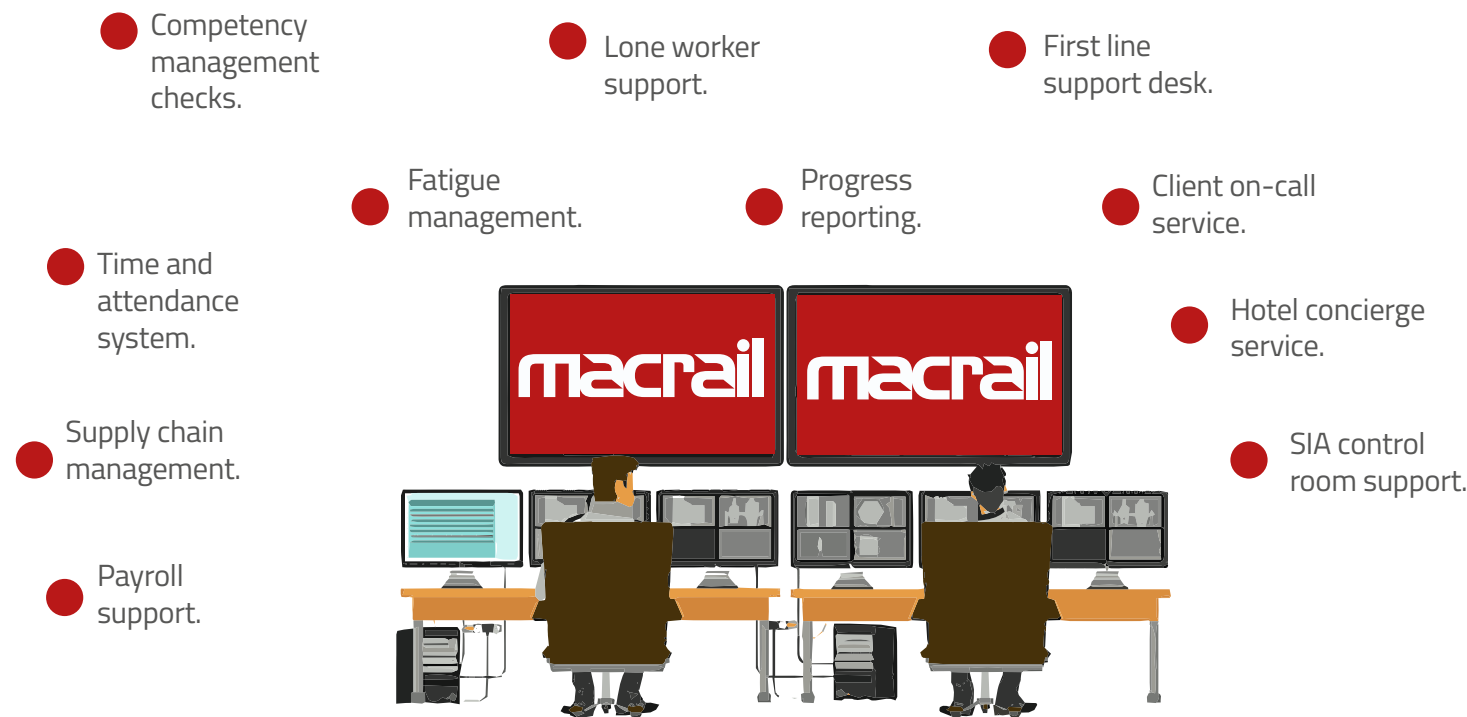
Understanding who is on your site, when they entered and left and how the project is progressing, are topics that all worksites should be managing and monitoring.

The MacRail Control Room is customisable to suit any business needs, from supporting individual workers to managing out of hours on-call.

The solution is the backbone of a business, ensuring operations are smooth, efficient and safely managed. The MacRail Control Room offers our clients the ability to manage site access, progress reporting and worker welfare all from a secure and remote-control room, based in the UK.

Our function provides an accessible and dedicated site access service 24 hours a day, 7 days a week, 365 days a year.

The facility can act as an additional support function (to the site access controller) for larger sites, or as the main source of site access for smaller sites not requiring a dedicated site access controller.



Just some of the benefits that our control room facility can provide

## Producing site status reports is crucial for monitoring project progression.

MacRail control reporting.

The MacRail Control Room assists in the production of project progress and status reports helping keep key stakeholders and directors up to date without the need of being on site. Reports are sent directly from the MacRail System into your email inbox, giving you a quick and clear view on project progress and handback status.

MacRail can assist with this process allowing clients and stakeholders to have full control of their site while being anywhere in the world.

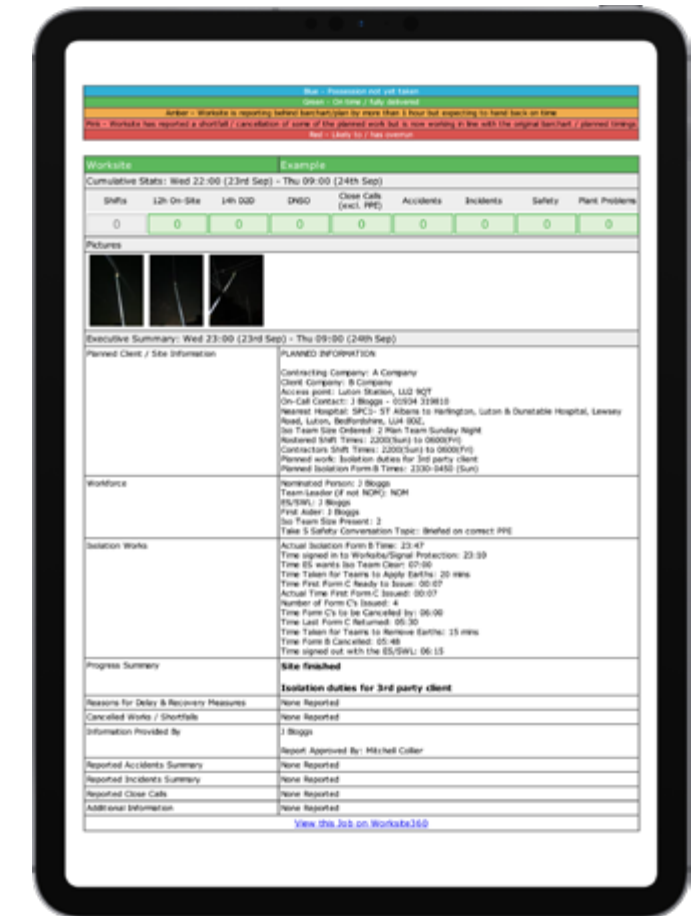
Our compressive reports can include possession times, production details between reporting periods, planned vs actual, plant issues, reasons for delays and recovery measures, shortfalls, accidents, accidents and close calls.

Our reports act as a live commentary of what is happening on site without the need for you to be in direct contact with Site Management which in turn allows them to concentrate on the task at hand.

Reports are colour coded depending on current site status and will indicate if the site is scheduled to be handed back on time or give you advance warning if there is a risk of an overrun, allowing you time to take mitigating action to avoid costly overruns.

The MacRail team work closely with site management to ensure reporting is accurate and all site information is carefully captured and recorded. We have also worked in collaboration with Network Rail to develop an innovative Isolation Reporting Service to improve worker safety and reduce the number of accidents and incidents on UK railway sites.

When using this service, isolation teams will be able to easily report disconnections along with having the option to submit photographic evidence. This reporting service allows rail organisations to keep the staff that are maintaining, enhancing, or renewing the railway, safer.



Whilst our NWR progress reporting and isolation reporting templates come as standard, due to our inhouse development team we can develop a reporting template to suit your project requirements.



## Bespoke digital communication for all worksite staff and contractors

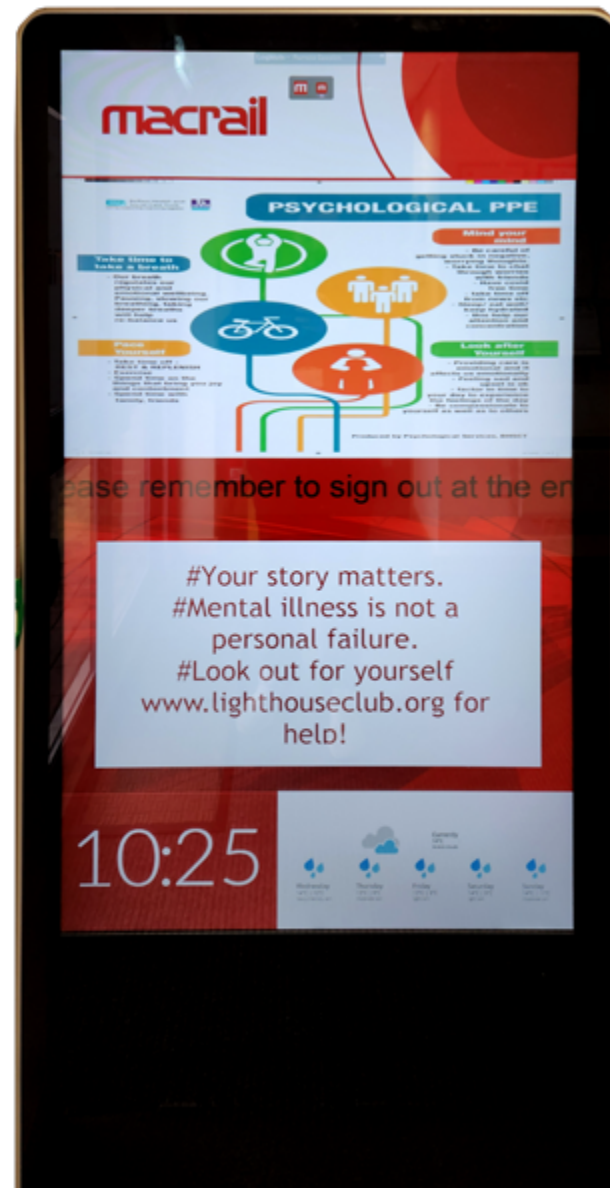
Safety briefings via digital display, ensure health and safety regulations are embedded in the workforce while encouraging best practice.

An interactive alternative to conventional posters and signage, our dynamic content captivates viewers, increasing engagement.

Our digital signage package includes access to the content library where screens can be instantly updated from the online portal, allowing you to communicate important messages in real time.

The screen is fully customisable and allowing you to upload videos, posters, animations, and ticker tape messages. Personalised content can also be uploaded to the cloud-based software and is either managed independently or through our managed service through our 24/7 control room.

- » Our digital signage system transforms your site access points and brings them to life
- » Communicating and welcoming employees and customers
- » Provides updates on projects
- » Shows health and safety signage
- » Promotes up coming events, employee of the month, charity campaigns etc
- » Wellbeing content
- » News, traffic, and weather feeds

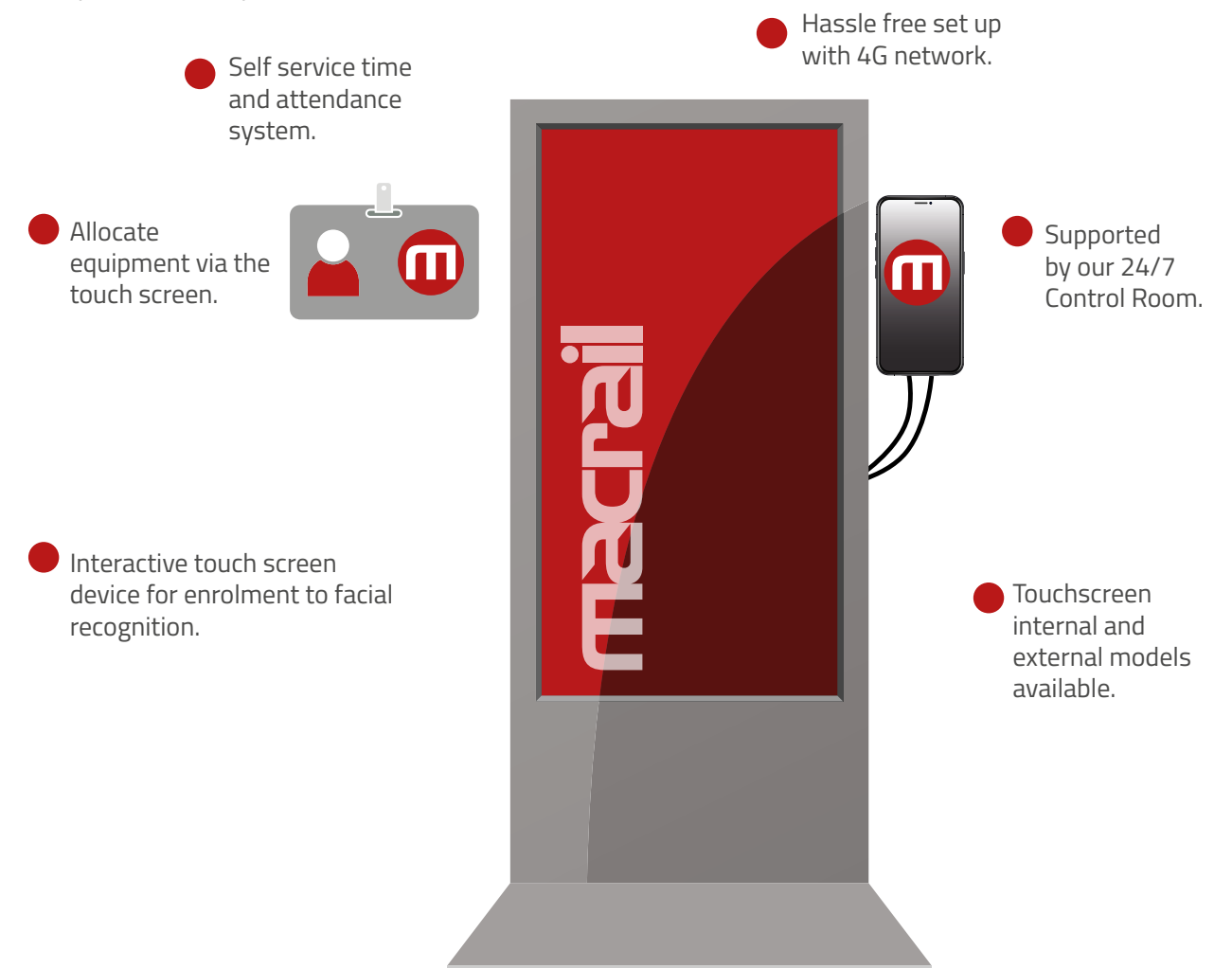


## Our tech-driven approach to worksite access cuts costs and increases efficiencies

Our digital briefing screen integrates with our facial recognition product giving you a single device that revolutionises site access.

From office locations to infrastructure sites, you can now sign multiple staff in quick succession while they review the daily health and safety content. The MacRail screen comes with all of the benefits of our site access system and is supported by our 24/7 control room, it brings self-service sites access into the digital environment.

The touch screen allows users to navigate the MacRail System to update production, raise close calls and manage their worksite safely and efficiently.

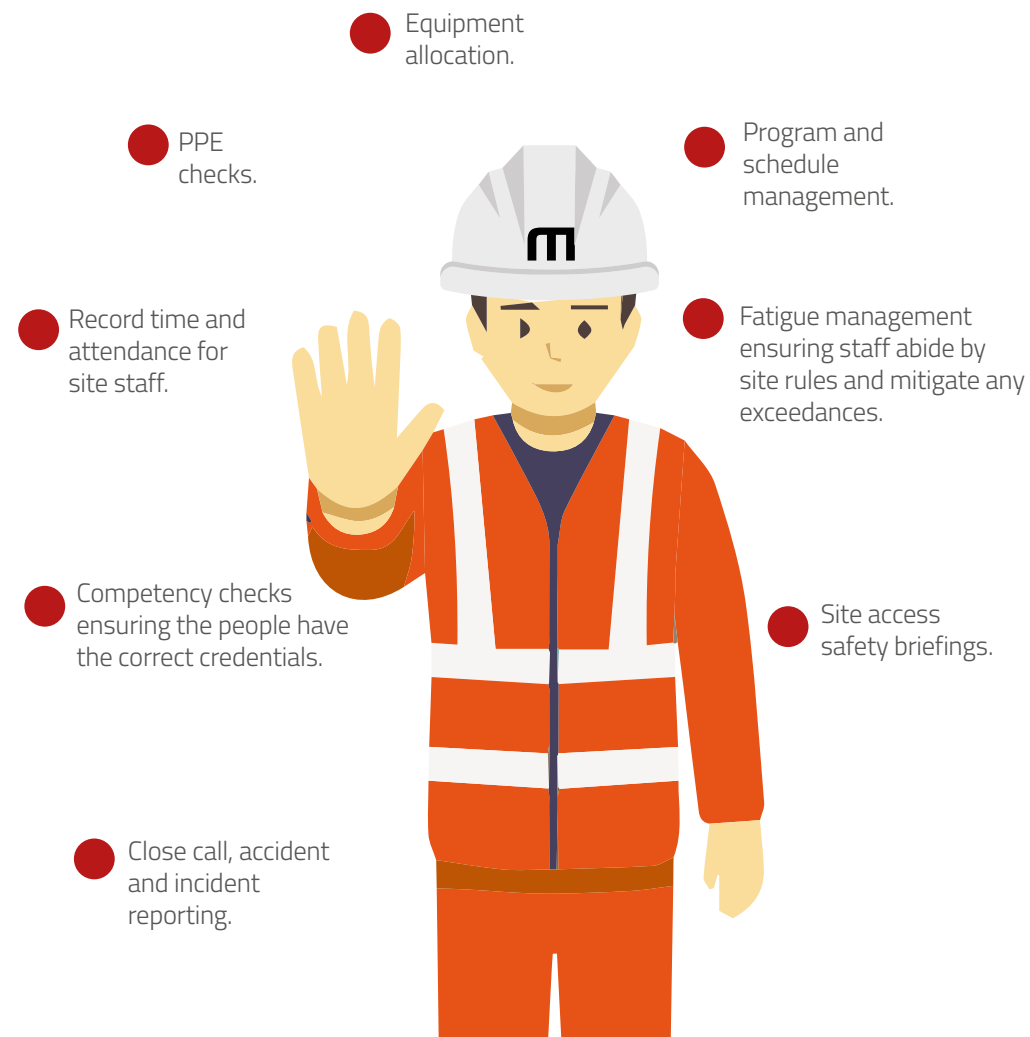


## Our site access controllers are your eyes and ears on site, recording all entry and exit activity.

Our team act as the site administration centre and are responsible for controlling the ins and outs, collating progress information, composing real-time stakeholder reports and acting as the key point of contact for workers on the site.

Our SACs not only record site activity, they also promote the safety and security of your workforce and site. Many contracting sectors, such as rail, require an auditable trail of who has entered and left a worksite.

Our team of skilled SACs will do this using our bespoke MacRail Worksite Management System, resulting in all site access information being available to view online immediately.



## MacRail offers a wide range of multi-skilled operatives to cover all of your site requirements.

Following feedback from our customers, we have developed multi-skilled SACs who can undertake a number of positions on site to increase safety and reduce cost. Our multi-skilled SACs are fully vetted and highly trained to meet client demand. From bankspeople and traffic marshalls, to SIA competencies, we offer industry-standard compliance and legislation training for our staff to meet your project needs.

Maintains a high standard of access control, only allowing entrance to those authorised to be on site and those following site rules.



Directs movement of vehicles on a work site and provides clear, correct and safe directions to plant operators.

Understands and helps minimise possible risks to personnel and equipment.

Maintain a high-profile security presence to protect your assets and advises and assists on matters of security and health and safety.

Our SIA-trained security guards provide a full manned guard service that can be tailored to your projects requirements. Our team of licensed security guards have been fully vetted and assessed.

Dog handling services provide additional security and support. Our dog handlers are experts in working with professionally trained security dogs.

Our battery and solar powered CCTV towers use a motion activated PTZ camera which can be used to monitor the site.



Cleaners – Welfare facilities need constant cleaning and servicing to UK regulations, including waste management and disposal. We offer dedicated site cleaners or mobile welfare cleans to replenish consumables and clean the toilets.



Our expertly trained minibus drivers help transport personnel between site access and working locations.

## Providing your complete worksite solution, allowing you to take care of project delivery whilst we manage your site access.

Full welfare and compound set ups take the pressure off your site teams allowing them to concentrate on project delivery.

Containing all your health and safety equipment such as defibs, fire, first aid and fire stations, we pride ourselves on how we set up and manage our sites.

We believe it is fundamentally important to provide a safe and comfortable environment for all site workers, therefore our site establishment and welfare package has been developed to provide a high quality and secure site.

A fully managed service where you only deal with only one supplier, we will create the site compound and manage the site access for the entire project.

Our site set ups are supported by our 24/7 Control Room. This allows you to report any issues to our highly trained staff who will deal with the issue and inform you of the resolution. This leads to a more efficient site where management spend their time on project delivery.

All of our sites also come with industry standard safety signage and can be customised to suit your project needs.



## Full welfare and compound set-ups take the pressure off your site teams allowing them to concentrate on project delivery.

We can provide site set-ups to cover all budgets, from smaller transient sites using traditional cabins/welfare vans through to large eco-friendly worksites using the latest technology to reduce carbon emissions.

- Site signage and digital signage.
- Hoarding and fencing.
- Walkways.
- Access control and turnstiles.
- Command and control vans – mobile office with briefing screens and emergency site access equipment, perfect for small jobs and emergency works.
- Mobile and static welfare – including the most up to date eco friendly cabins with rainwater harvesting technology, solar panels, and telematics.

- Toilets.
- Site lighting.



- CCTV.
- Radios.

## Our technology and innovations are the reason why we are sector-leading in our site access operations.

Our use of workforce management and industry-specific technology allows us to deliver our clients with a comprehensive, site access package from any device - smartphones to tablets to desktops.

### With NR/L2/OHS/003 regulation now here, are you compliant?

If the management of workforce fatigue is the problem, our Fatigue360 platform is the solution.

Our Fatigue360 system is fully developed as an end-to-end fatigue risk management and job planning tool and guarantees compliance with the new Network Rail legislation.

The system is designed to be fully customisable to provide best practice in fatigue management across multiple industries, while significantly reducing the burden of administration on your resourcing team.

Fatigue360 allows all rail business operations to plan and manage not only working hours, but also the travel and rest periods, as well as monitor live fatigue and risk scores around work shifts.

When using Fatigue360 in conjunction with our site access elements (SAC, control room, MacRail app or facial recognition) the platform seamlessly feeds the actuals back into the Fatigue360 system, giving you a view of planned vs actuals and updated HSE scoring.



## Our tech-driven approach to worksite access cuts costs and increases efficiencies.

Our MacRail App is the solution to achieving a 'paper-free' environment.

Our biometric digital solution assists with contactless site access control. Working in conjunction with Fatigue 360, our app allows your employees to watch inductions and briefings as well as sign in and out of their planned shifts.

Results are integrated into the fatigue and worksite management system in 'real-time', giving you a full 360 of planned versus actuals.

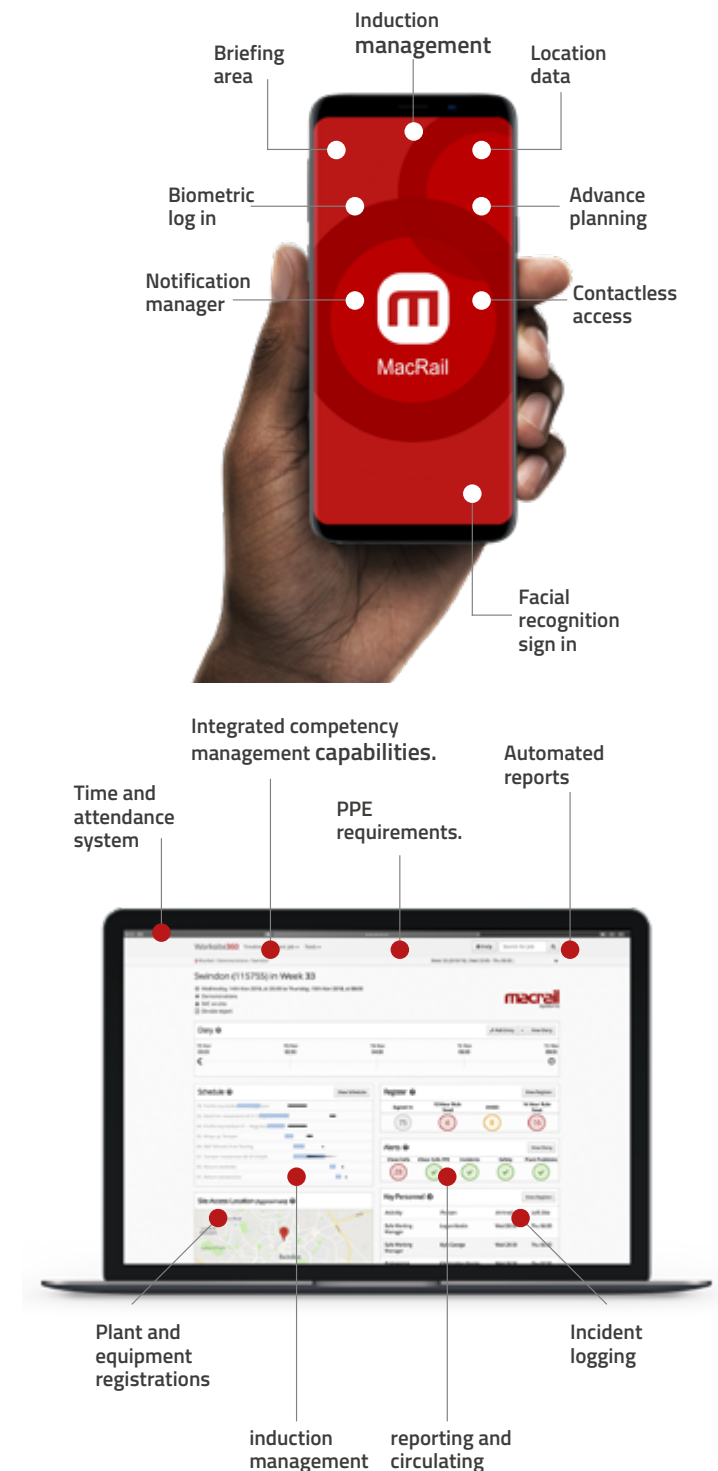


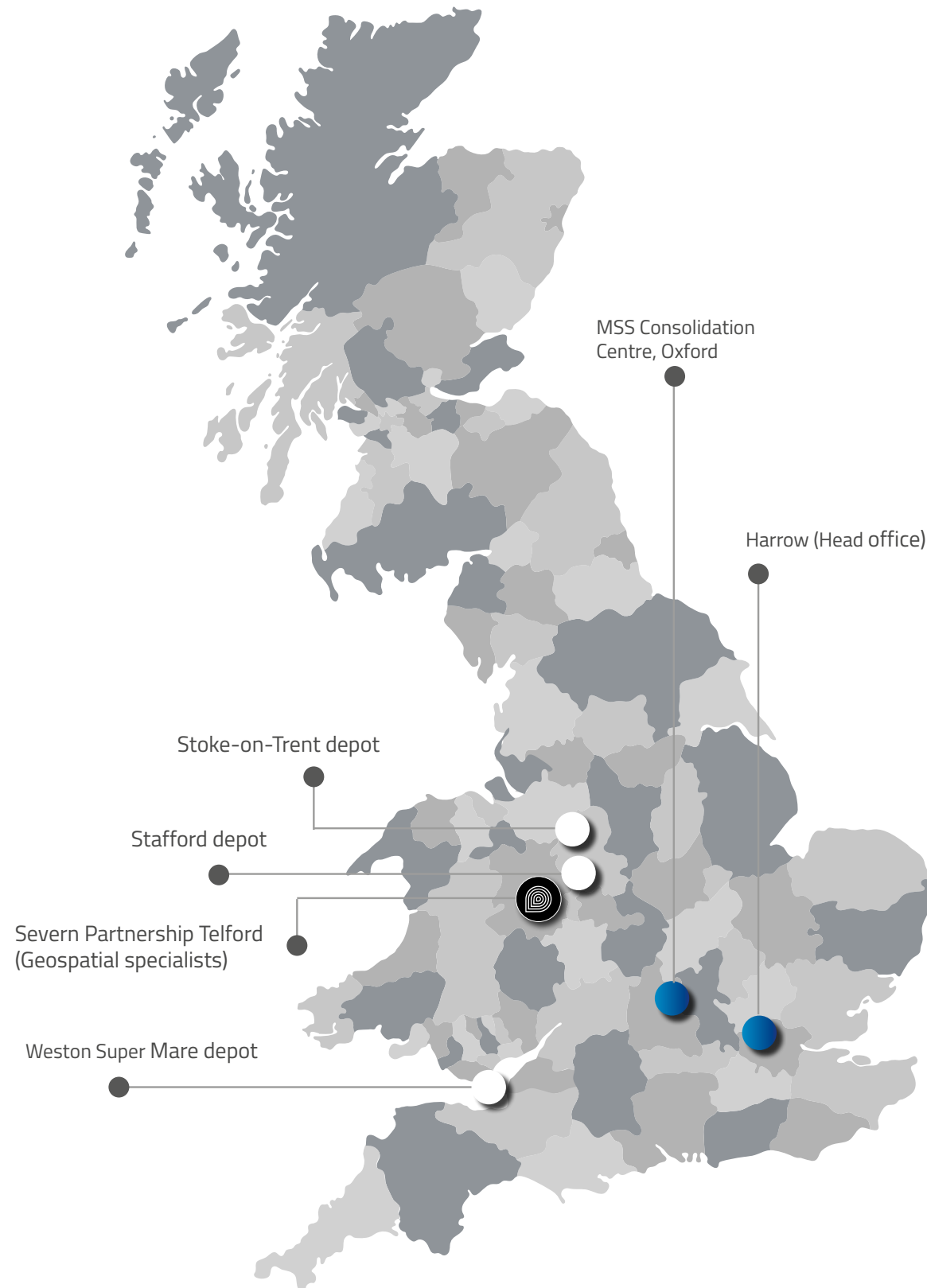
## Effective worksite management with increased productivity and safety.

Our user-friendly MacRail works management system delivers numerous safety benefits and reduces costs.

Used by site access staff to effectively manage rail and infrastructure worksites, the MacRail system provides a complete end-to-end, cloud-based, worksite management solution.

The ease-of-use features include time and attendance monitoring, competency management of staff, PPE adherence, automated fatigue management alerts, 'real-time' notifications, incident logging, induction management, plant and equipment registration, unauthorised access, reporting and distribution to clients and many more functions.





## Our MacRail business have developed systems and resources to offer a national, comprehensive SAC and fleet support service provision across the UK

Our client base and project history has seen us provide site access control, control room, technology, logistics and security for sector-leading organisations and main contractors such as Network Rail, Colas Rail, Babcock Rail and Amey among others.

Our control room can provide fully remote, control room and site access control services for smaller sites anywhere in the UK, even those that do not require a dedicated site access controller.

### Fleet inventory

- 5 x SAC command and control vehicles
- 2 x security vans
- 230 x welfare vans (eco and standard)
- 30 groundhog units - fully adaptable to suit all requirements

### Depots

#### Stoke

Welfare vans, groundhog units, mechanics and maintenance team

#### Stafford

Welfare vans, groundhog units

#### Weston Super Mare

24/7 control room

#### Harrow (Head office)

Site set up and traffic management division, security division, IT and Software development division

#### Oxford (Consolidation Centre)

Our large-scale storage facility in Oxford, used for storing materials for our sites and is fully staffed and fitted out with gantry cranes to give unrivalled handling power, flexibility and further logistical options.

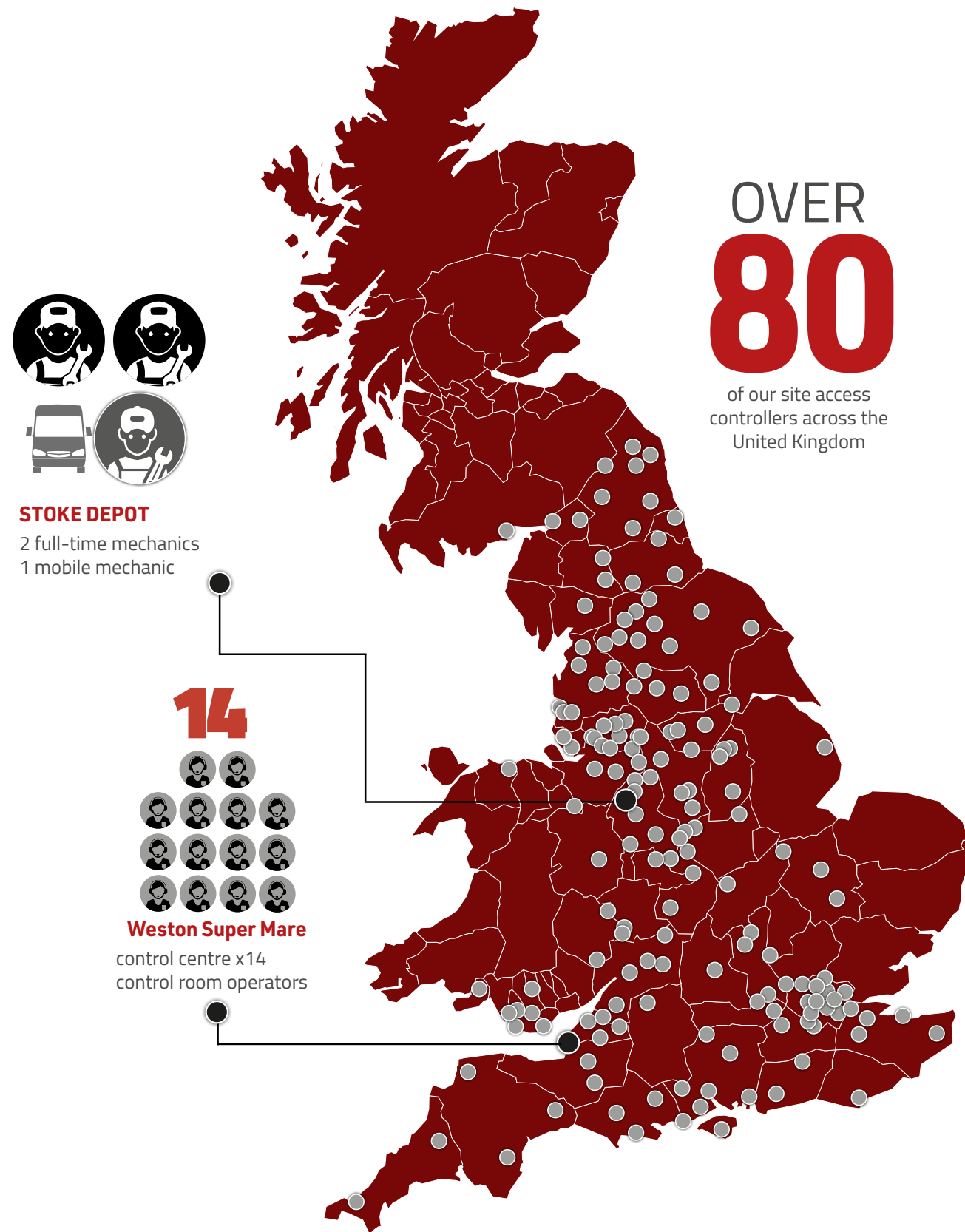
#### Telford (Severn Partnership)

Severn are our internal, specialist chartered surveyors, ground mapping and geospatial experts. Severn have forty years experience in rail infrastructure projects including the newly-opened 'Elizabeth Line' (Crossrail) and the Teme Viaduct project in Worcester among their most recent work.

#### Welfare

In addition to the core fleet maintenance team based in Stoke, our welfare partner is a member of the United Rental System Network giving access to network of mechanics and technicians across the UK.

This means that regardless of location, any fleet issues can be dealt with at short notice.



# A fantastic achievement on one of the network's forgotten lines

The Island Line Upgrade, Isle of Wight  
Client: OSL Global

The Island Line and its associated infrastructure, on the Isle of Wight, in the UK, have been upgraded to offer a more frequent service and introduce more trains. The rail line runs between Ryde Pier Head and Shanklin, passing through Smallbrook Junction, Brading, Sandown, and Lake stations.

The upgraded project involved the launch of a refurbished fleet of Class 484 trains and improvements to rail infrastructure, including creating level access from the train to the station platform.

During a 20-week blockade on the Island Line, MacRail provided site access controllers, induction management and control reporting, welfare, and temporary checks. All the workers were recruited from the Isle of Wight, which helped our client OSL Global with win the CEEQUAL award for Sustainability\*



A great service provided by MacRail who were always very adaptable and proactive. Also put effort into securing local resource for the SAC on site to assist the project in obtaining CEEQUAL Sustainability award.

The remote sign in facility has been a huge success.

**Tom Hambly, Isle of Wight, OSL**

\*CEEQUAL is the international evidence-based sustainability assessment, rating and awards scheme for civil engineering, infrastructure, landscaping and works in public spaces

SAC	Control room	Reporting	Welfare	Vans



# Helping to open up economic growth and improve rail connectivity in the north

Trans-Pennine route upgrade  
Client: TRU-East Alliance

Stretching across the North of England between York and Manchester, via Leeds and Huddersfield, the 76-mile Transpennine railway serves 23 stations, crosses over and dips under 285 bridges and viaducts, passes through six miles of tunnels, and crosses over 29 level crossings.

Our client wanted a fatigue management system, site access control service and our facial recognition system to help capture actual workers who have completed the induction process, PPE checks, proper Covid testing and fatigue management. All to ensure that workers were ready to work on site. Prior to MacRail's involvement, TRU East Alliance were using an internal reporting system which was not proving to be cost effective due to the scale of the project.

SAC	Vans	Fatigue 360	Facial recognition	Multi-skilled operatives





# All routes lead in to one of the network's busiest mainline hubs

Kings Cross Remodelling,  
Client: Central Rail Systems Alliance (CRSA)

Our client was looking to improve their existing site access system to provide better control of scheduling, fatigue management, PPE checks as well as comprehensive induction briefings.

Everyone entering site was checked for identity, competencies, PPE and fatigue management. They also received safety briefings prior to going on site so they were aware of the risks and hazards before stepping onto the infrastructure. This was especially important towards the final stage as they had live lines running and our SAC's briefed what lines the workforce could access from.

By engaging with MacRail and our services, we were able to provide CRSA and Network Rail with comprehensive and compliant site access to make sure everyone on site got home safely.



Place on record my thanks for the service you have provided these past few months.

Mark Hardeman, Head of Resource & Plant, CRSA

SAC	Control room	Reporting






# macrail

The driving force  
in UK infrastructure

more than site ac  
**macrail**




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