Geofencing in Rail:

A Revolution in Track Safety and Efficiency

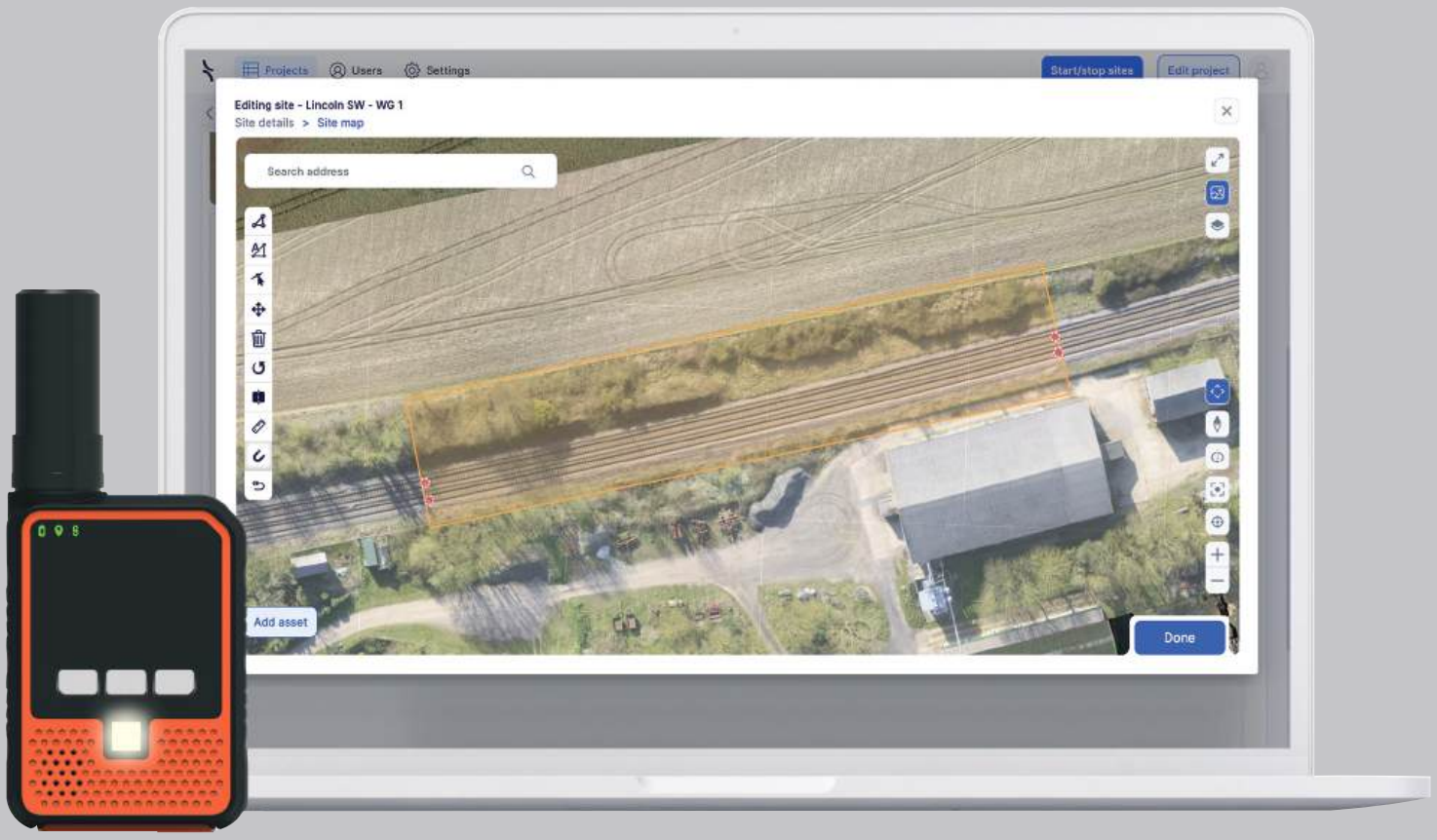




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RSS INFRASTRUCTURE

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Latest News

ENHANCING RAIL SAFETY WITH MANAGED GEOFENCING SERVICES

RSSI & Tended have secured a contract with the SRSA to provide Geofencing Services for rail projects, enhancing safety and operational efficiency.

With a fully managed Geofencing service, SRSA benefits from precise location tracking, ensuring workers' safety and optimising rail operations.

This award highlights RSSI's commitment to innovative, safe rail infrastructure solutions to protect track-based staff.

Geofencing in Rail



RSS Infrastructure is your trusted partner in the application of geofencing technology within the rail industry. Our mission is to elevate safety standards, boost operational efficiency, and deliver effective asset management and tracking solutions.

Working in collaboration with Tended, we are combining their technical expertise and our proven track record in implementing successful track safety solutions to bring about a transformative change in the rail sector.

Reduce the risk to your track workers and enhance planning efficiency with innovative geofencing technology

Comprising an online Dashboard and a small attachable device, Tended's solution allows you to plan worksite details to safely deliver scheduled maintenance, renewal and upgrade works.

Map out safe working zones, define designated access points and walkways, and plot where your critical protection equipment, such as marker and possession limit boards, needs to be placed. Alerts notify workers if they leave the safe working zone, helping them regain situational awareness and maintain a safe distance from hazards.

Developed alongside Network Rail, Tended's solution can help you to reduce risk and enhance operational efficiency for a huge number of use cases when teams are working lineside, on or near the line, within possessions and completing high street works.

TRANSFORM THE SAFETY OF YOUR WORKSITE

Ensure your teams know the exact location of the site and where to access it. Easily overlay virtual safe working zones onto your worksite and define safe walkways for your teams to follow.

PLAN YOUR PROJECTS MORE ACCURATELY

Make better-informed planning decisions with ELRs, miles and chains and high resolution imagery. Auto-generate safe zones on the line in seconds simply by inputting a few details from your safe work pack.

DIGITALISE YOUR SITE MANAGEMENT

Define important project details in accordance with the plan including dates, designated site access points, the location of protection equipment and more to help deliver work packages safely and efficiently.

Geofencing in Rail



STREAMLINE YOUR SITE BRIEFING PROCESS

Give teams a digital overview of the worksite before heading out on track to streamline the briefing process, as well as avoid any miscommunication or misinterpretation from verbal or written instructions.

IMPROVE WORKER SITUATIONAL AWARENESS

Your workers are notified the moment they leave a safe zone. With audible, visual and vibration alerts, the device helps your trackside workers regain situational awareness if they leave safe working limits.

ENHANCED VISIBILITY OVER YOUR RAIL OPERATIONS

Tended's system can also be used to enhance worksite safety and operations. By attaching devices to plant and equipment onsite, you can monitor their live location and movements within the Dashboard.

QUICKLY IDENTIFY ANY UNSAFE EVENTS

A red, amber, green (RAG) view on the Dashboard shows the status of all devices onsite and provides a visual indication of any potential unsafe events, such as vehicles exceeding the site speed limit or approaching the safe zone boundary.

REDUCE THE RISK OF INFRASTRUCTURE DAMAGE

Draw geofences around any areas where the infrastructure can be damaged, such as points or low bridges. If a plant or machine approaches a set distance from these, a notification is displayed on the Dashboard and a device alerts the machine controller, helping to prevent them from continuing and damaging the infrastructure.

BE NOTIFIED OF ANY ASSETS LEFT ON THE LINE

Once a project is completed, any devices left on the infrastructure will trigger an alert on the Dashboard with its location, preventing equipment from being accidentally left on the line when it is handed back.

GET UP AND RUNNING FAST

As Tended uses an established network that has been in place for over 15 years, no onsite infrastructure is needed. This means you can start projects immediately, saving the time and costs associated with installing and maintaining infrastructure near the track.



Our Services

With extensive experience in Track Warning Systems, RSSI is introducing a comprehensive Geofencing service for the rail sector. This service includes three key offerings:

Fully Managed Service: RSSI will handle everything from consultation and planning to supplying qualified staff equipped with geofence wearables to manage the worksite, ensuring safe working zones.

Planning Service: For businesses that buy geofencing wearables but lack the time, resources, or expertise to set them up, RSSI's TWS planning department is ready to help with detailed planning services.

Dry Hire Option: For businesses that own geofencing wearables and have fluctuating needs, RSSI offers a flexible dry hire service to accommodate varying requirements.

These services are designed to provide additional safety and efficiency and are tailored to each business's needs.

LET'S TALK RAIL SAFETY

Want to know more about how our Geofencing services can be a game-changer for your rail projects? Contact Jason Fidoe, Technical Manager, at jason.fidoe@rssinfrastructure.com or on 07769 645202.








tended
Geofencing technology
MURPHY
SIEMENS
SYSTRA
VolkerRail
NetworkRail

Geofencing in Rail

Why You Need Geofencing Technology

We understand that introducing new technology can be daunting, which is why we offer a fully managed service. The value of geofencing technology lies in its ability to provide an additional layer of safety and operational efficiency that other measures cannot offer.

IMPROVES SAFETY AND COMPLIANCE

The long-term benefits in terms of reduced accidents, improved efficiency, and better asset management make geofencing a cost-effective solution. Moreover, it is not a replacement for existing safety measures but a powerful supplement that strengthens overall safety and compliance with industry standards.

THE FUTURE OF TRACK SAFETY

Join us in embracing the future of track safety and efficiency through geofencing technology. Contact Jason Fidoe, Technical Manager, at jason.fidoe@rssinfrastructure.com or call 07769 645202 to request an initial meeting and discuss how this revolutionary new technology can assist with your next project.





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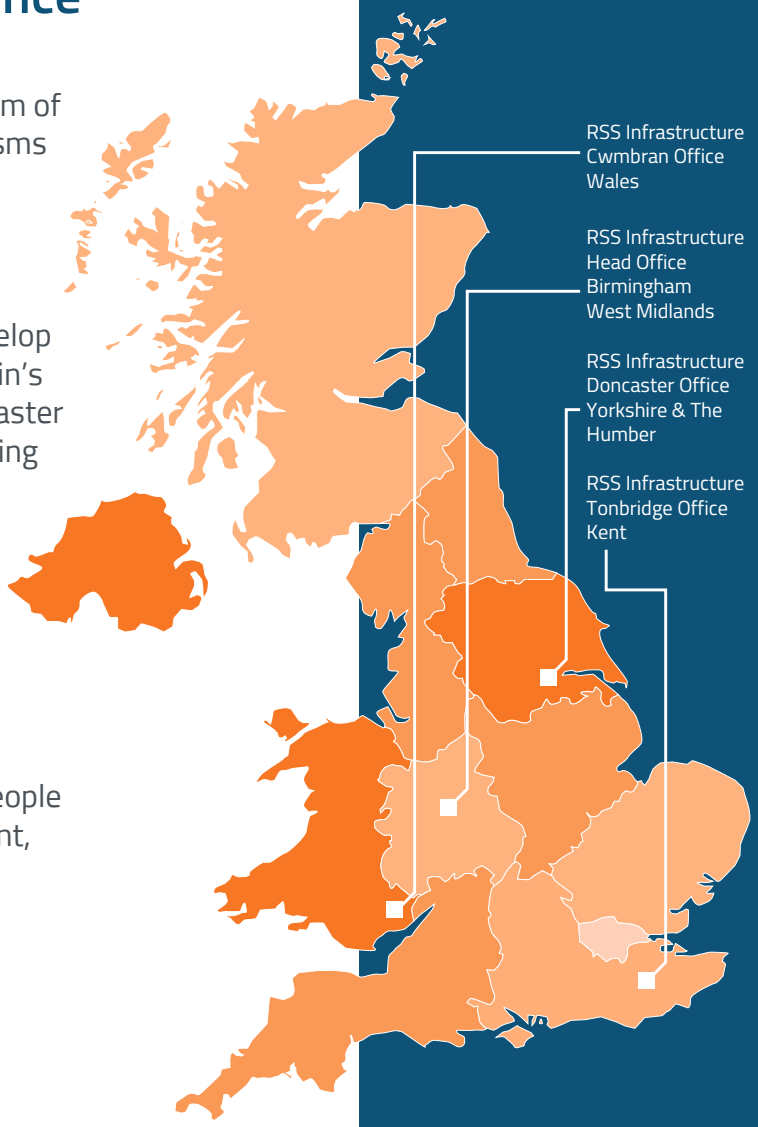
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Experts With a Wealth of Knowledge and Experience

RSS Infrastructure has assembled a team of experts with a diverse range of specialisms and skills. They are all integral to what we do and strive to improve safety and productivity on all our projects.

Our experts are helping to lead and develop the workforce involved in creating Britain's infrastructures. We want to be better, faster and safer and have the best people driving our vision forward. Our experts provide leading-edge solutions that align with your business goals to produce intelligent infrastructure solutions.

Each member of our leadership team is an expert in their field with strong track records and considerable experience of building successful partnerships. Our people are our greatest asset, their commitment, skill, passion and drive, enable the RSS Infrastructure to play an active role in supporting and maintaining the UK's infrastructure.





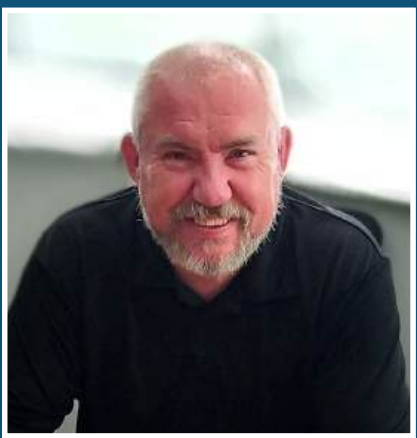
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Integrated Solutions to Increase Productivity and Improve Safety

At RSS Infrastructure, we guarantee to increase productivity and improve safety. By working as your trusted partner, our team of specialists provide tailored infrastructure solutions you can count on.

But its not just what we do, its how we do it. We don't just turn up and leave. We work with you, as a partner, understanding your challenges so we can pro-actively deliver, because we recognise the demands on you and your business.

We specialise in:

TECHNICAL SERVICES

- Civils & Construction
- Geofencing
- Rail Operations
- Signalling Services
- Track Warning Services

MANAGED ENVIRONMENTS

- Arboriculture & Vegetation Management
- Ecology Services
- Industrial Rope Access (IRATA)

WELDING SERVICES

- Rail Welding

When it comes to infrastructure, we are the partner you can be sure to count on.

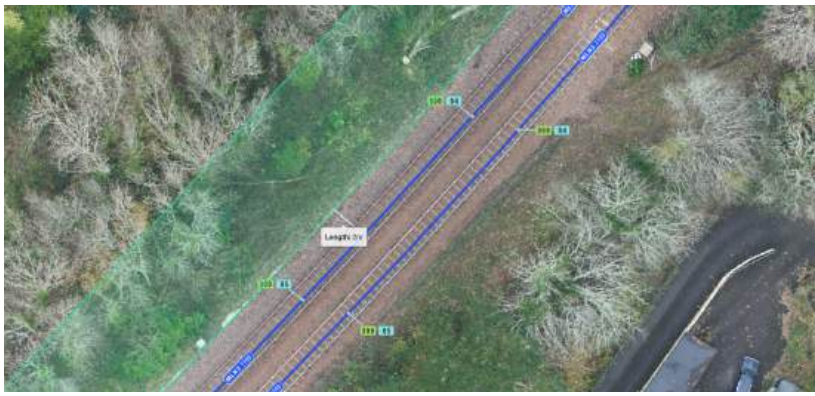
Contact our team of experts to discuss your next project and how we can support you.

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v5: March 2026

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