

Keep your trackside workers safe with powerful geofencing technology

Leading-edge safety solutions from satellite to trackside

What is geofencing?

A geofence is a virtual perimeter, much like a physical fence but is instead defined by digital coordinates.

The virtual lines that join each of those points are combined to create a digital representation of a physical boundary. Geofences can then be used to trigger an event when a user enters or exits a boundary, such as issuing an alert or sending out a notification.

Geofencing can also be used to:



Deliver safer work projects by setting safe access points and routes for a planned worksite



Pre-plan worksite details to ensure projects are set up and packed away as effectively and efficiently as possible



Drive positive behaviours through nudges



Track and monitor the location of static, moving and temporary assets in real-time



Recover costs, save time and reduce errors associated with setting up and managing physical fences



An all-round solution for rail

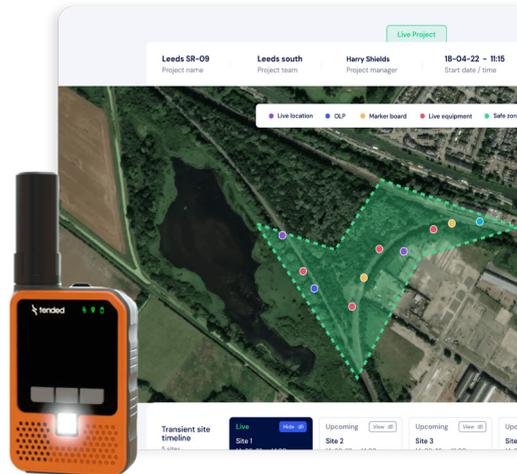
Create a safer, more efficient working environment for trackside workers with Tended's advanced geofencing solution.

Comprising of an online planning tool and wearable device, Tended's solution allows you to pre-plan your worksites so you can safely deliver scheduled maintenance, renewal and upgrade works.

Map out safe working zones with designated access points, safe routes and plot where your critical protection assets need to be placed. Alerts warn workers if they approach or exit the safe working zone boundary, helping them stay away from hazards.

Backed by behavioural science and with a range of useful features, including assisted marker board placement, people-to-plant collision avoidance and asset tracking, you can deliver safer, more efficient and cost-effective projects.

- ✓ A comprehensive solution developed alongside Network Rail
- ✓ Quick to set up and incredibly simple to use
- ✓ Rugged wearables with fail-safe technology
- ✓ Analytics to uncover trends and factors that lead to unsafe behaviours
- ✓ Typical accuracy of 1.4cm



A comprehensive site planning solution

Use Tended's planning tool to plan out every important detail on your worksite so everyone knows how to access, navigate and conduct their work safely.

Live and dynamic sites

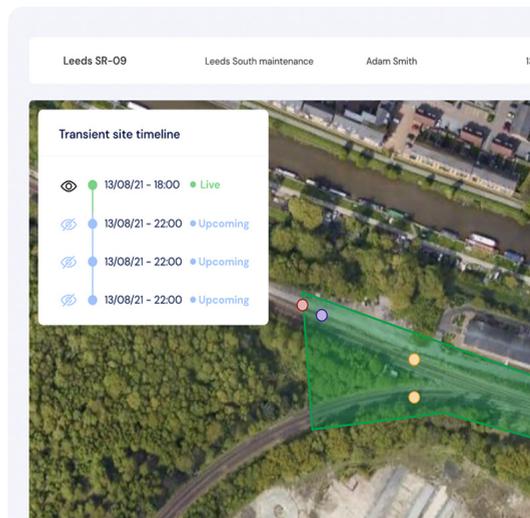
Set a time and date against your safe zones to suit work schedules. These variable safe zones help ensure your teams are safely offsite when moving hazards are present, such as trains passing through.

Effective possession planning

Define critical project details including safe working zones, designated access points, overhead powerline clearance, protection locations and more to help ensure works are delivered safely and efficiently.

Rail specific geospatial overlays

Make better-informed planning decisions by switching on rail specific overlays such as ELRs, mileages and access points or by uploading your existing digital geospatial data, including Network Rail satellite imagery.



Combining safety with efficiency

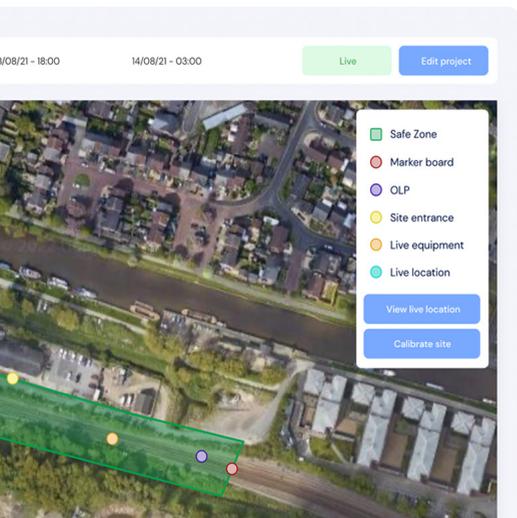
Reduce the risk of error during the planning process with features that automate time-consuming and safety-critical tasks.

Precise protection installation

Issue positional guidance to your teams of the required locations of protection such as marker board, detonators and overhead line protection. Centimetre-level accuracy provides assurance to you and your teams of correct placement.

Reduce errors with approval workflows

Built-in workflows enable a complete approval and review process of planning activities. Inspect the change history of all plans and view comprehensive audit trails for regulatory compliance.



Full visibility of your worksite

Track and monitor the location of static, moving and temporary assets in real-time. Have confidence that no equipment leaves site without authority and approval or is left behind.

Industry-leading safety wearables

Once your worksite is planned, your trackside teams' wearables are ready to be deployed onsite. The teams simply need to collect them from the portable charging case, switch on and start using.

Cm accuracy with zero infrastructure

Our wearable utilises cutting-edge positioning technology and AI to achieve a mean positioning accuracy of 1.4cm. We achieve this with zero on site infrastructure, meaning you can get set up in minutes.

Total privacy for your teams

Privacy and security is at the forefront of each of Tended's innovations. We guarantee our systems provide the highest level of safety without ever sharing sensitive information like your trackside workers' location.

Future-proofed technology

Tended's geofencing wearables have been designed with longevity in mind. Through a simple software upgrade, you can get access to features like people-to-plant collision avoidance or sound and vibration monitoring.



Everything you need to improve site safety

Be sure your teams are always protected. Tended's wearables are designed for the toughest environments and product approved for use on the rail network.

Distinctive warning alerts

Ensure your teams are notified the moment they leave a safe zone. With customisable audible, visual and haptic alerts, we help your teams regain situational awareness before they approach live tracks.

Stay connected wherever you are

Don't let critical works get disrupted by an unreliable connection. In areas of low connectivity, our wearables can connect to satellites, ensuring you can be confident your teams stay connected, wherever they are.

Technology you can trust

We've been designing safety wearables for five years and know just how important fail-safe systems are to safety-critical operations. That's why our wearable has eight fail-safe protections, ensuring it will always fail to a safe state.





About us

Tended is an award-winning safety technology startup. With 5 years' experience developing safety wearables, we have a record of deploying wearables within industry-leading organisations to make safety improvements.

Over 10,000

safety wearables deployed since inception in 2017

£2m+

spent annually on research and development into safety technology

Behaviours

are at the heart of everything we do. We've even built a product to analyse safety behaviours

We've worked with the best





Tended and Unipart Rail

Delivering such a transformational product to the rail industry will come with its challenges. That's why we've partnered with Unipart Rail to support with the delivery of our geofencing solution to our customers.

Combining Unipart Rail's extensive industry knowledge and Tended's technical expertise, we can deliver a comprehensive service and rapid deployment.

Our geofencing solution is available as a hired, leased, managed service or sale and we provide all functions to support its effective deployment, including end-user and administrator training, logistics and nationwide distribution.



24/7 technical support



48-hour device
swap-out guarantee



Onsite behaviour-
based training



Dedicated behavioural
science, account
management and
success team support



8-week pilot options
to ensure deployment
success



e-learning and
certification for
product training

A 360-degree approach to safety



Nudge your teams into safer behaviours

With behavioural science and psychology at the core of our solution, we help increase safety awareness among your teams and cultivate safer behaviours on site.



Increase efficiency and reduce costs

Reduce site set up times and minimise the chance of errors when placing protective equipment on site by virtually mapping out your worksite during the planning process.



Proactively prevent accidents

Get insights into your work environment through data visuals and analytics on the Dashboard. Track key safety data to identify risks and unsafe trends and make changes to prevent accidents.

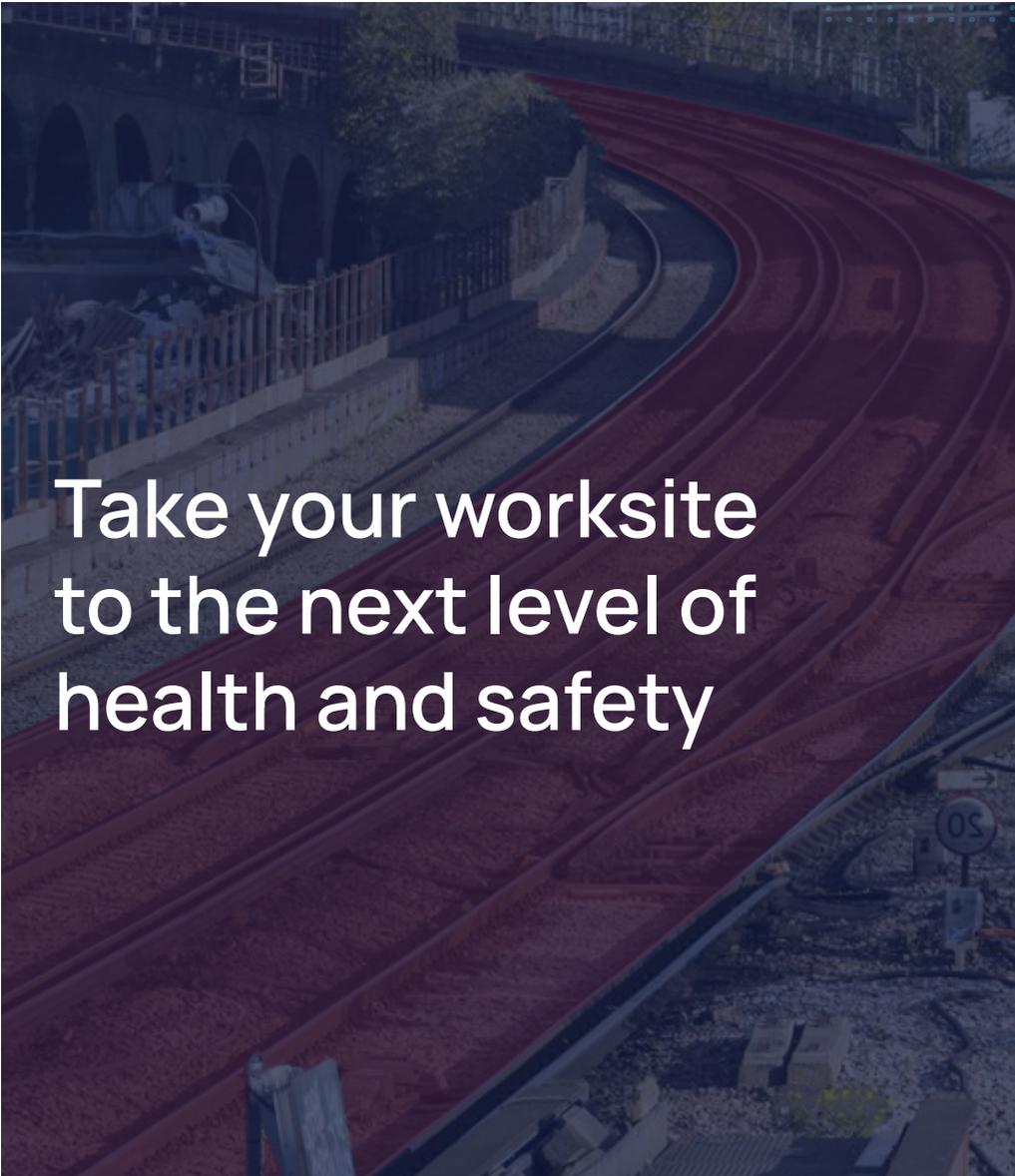


Drive safety culture improvements

Combine Tended's high performing wearables with our safety culture solution to gain insights and change the underlying contributors that lead to unsafe behaviours.

Create highly accurate exclusion zones that keep your workforce safe and your business running



A photograph of a construction site. The foreground and middle ground are dominated by a large area covered in red safety matting. In the background, there is a concrete structure with several arches, possibly a bridge or a large building under construction. The scene is dimly lit, suggesting an overcast day or early morning/late afternoon. The text "Take your worksite to the next level of health and safety" is overlaid in white on the red matting.

Take your worksite
to the next level of
health and safety

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