



# Uni-Trace

by Unipart Rail

The Complete Asset Management Solution for Materials



**Track** materials from assembly to installation

**Trace** sites with specific components installed

**Monitor** materials' progress through assembly, delivery and installation

**Control** multi-asset materials across your project



**SERVING THE WORLD'S RAILWAYS**

# What is Track & Trace?

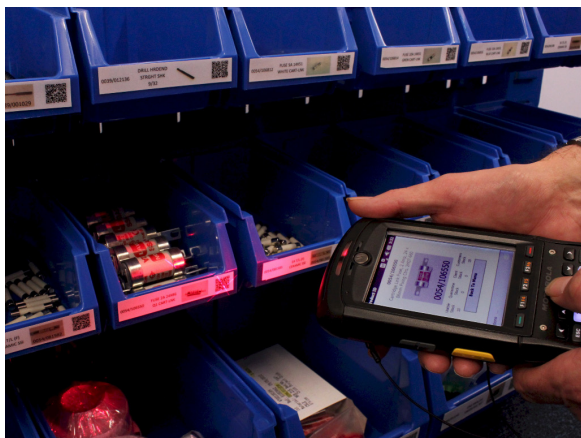
Track and Trace is the general principle that underpins many distribution networks. It means that an item can be quickly found within a complicated system.

In the world of Rail infrastructure, this means that we can quickly identify where the materials are on their way to being installed, but more importantly, we can know the precise location where materials have been installed historically, and locate them very quickly.

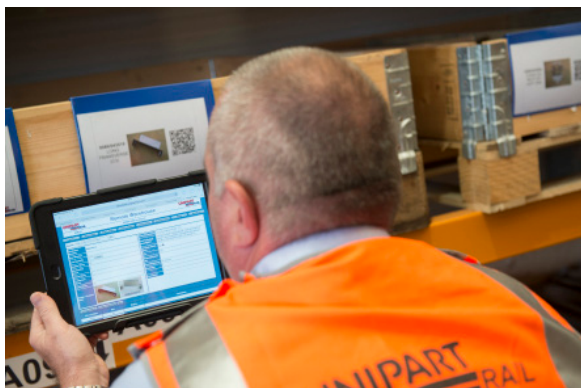
Until now, this process has not been implemented across the whole supply chain - only for parts of it.

Now, with **Uni-TracePlus by Unipart Rail**, the entire material journey from fabrication through to installation can be tracked not only to location, but also to the precise individual who undertook each stage of the end-to-end process.

**Uni-TracePlus** moves our original system through to controlling **all** materials across a project - with live reporting throughout the works. For the first time, real-time comprehensive tracking of a project's materials is now possible.



QR Code Scanners in Remote Warehouse



Materials Management in Remote Warehouse

## How does it work?

Track and Trace needs a robust materials database at its heart. We use our bespoke 'Remote Warehouse' system.

Remote Warehouse integrates all our customers' materials - whether customer owned, consigned or third-party owned - and manages materials stocking within the customer warehouse or depot. Min/Max and automatic reordering points ensure materials are optimised, and traceability to specific activities means our customers have real-time data on costs and availability.

**We have now integrated into Remote Warehouse the Uni-TracePlus by Unipart Rail system.**

This system uses QR codes to uniquely identify specific materials. This could be individual high value or strategically important assets, or a high number of complex assemblies where multiple units are being installed across a project.

Whatever your materials tracing requirements, the **Uni-TracePlus** by Unipart Rail system will store the final installation location so that any future requirements to identify the location of specific assemblies or components is made simple.

**Uni-TracePlus** manages assets by capturing the project, construction unit and associated design information through a simple upload process. Through a digital approach, the project manager can now access real-time, live information associated with the progress of the project's programme.

# Complete Asset Management in an OLE Project



## Authority

Only authorised individuals are issued with the cards carrying unique QR codes.

The cards' authority is registered with the Uni-Trace system, so can be managed without the cards needing to be destroyed or reallocated.

Authority levels are registered within Uni-Trace and can be managed without the physical card being present/need to be destroyed/re-allocated.

And because the process requires the material/assembly QR code to be scanned prior to the individual scanning their own badge, only materials issued to the individual can be processed through the system by them.

## Benefits

- Complete asset control and visibility - anytime, anywhere
  - Secure system with authority control
  - Complete history of all components
- Full traceability after returning infrastructure to Network Rail
  - Quality assurance through multi-stage process
  - Web-based system for simple access
- Multi-site materials view enabling transfer between projects.
  - Complete programme visibility in real-time

## About Unipart

The Unipart Group is a leading UK manufacturer, full service logistics provider and consultant in operational excellence. Operating across a range of market sectors, including automotive, manufacturing, mobile telecoms, rail, retail and technology, Unipart offers a breadth of services to a wide range of blue chip clients internationally.

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