



Level Crossing In a Box

by Unipart Rail

Built, tested and supplied ready to install



Cost and Time

Installing and commissioning level crossings is a complex and time-consuming process. Even before the installation team arrives on site, the materials sourcing and logistics planning is onerous & adds a lot of cost to the projects.

Our Modular Level Crossing Island Service delivers all your crossing material requirement, pre-tested and plug-coupled, to your site, where & when you need it.

Working from ground plans, our technicians will create a bill of materials ready for ordering. Because we know railways in detail, we will ensure that all core and ancillary materials are identified and ordered and delivered ensuring smooth installation and commissioning.

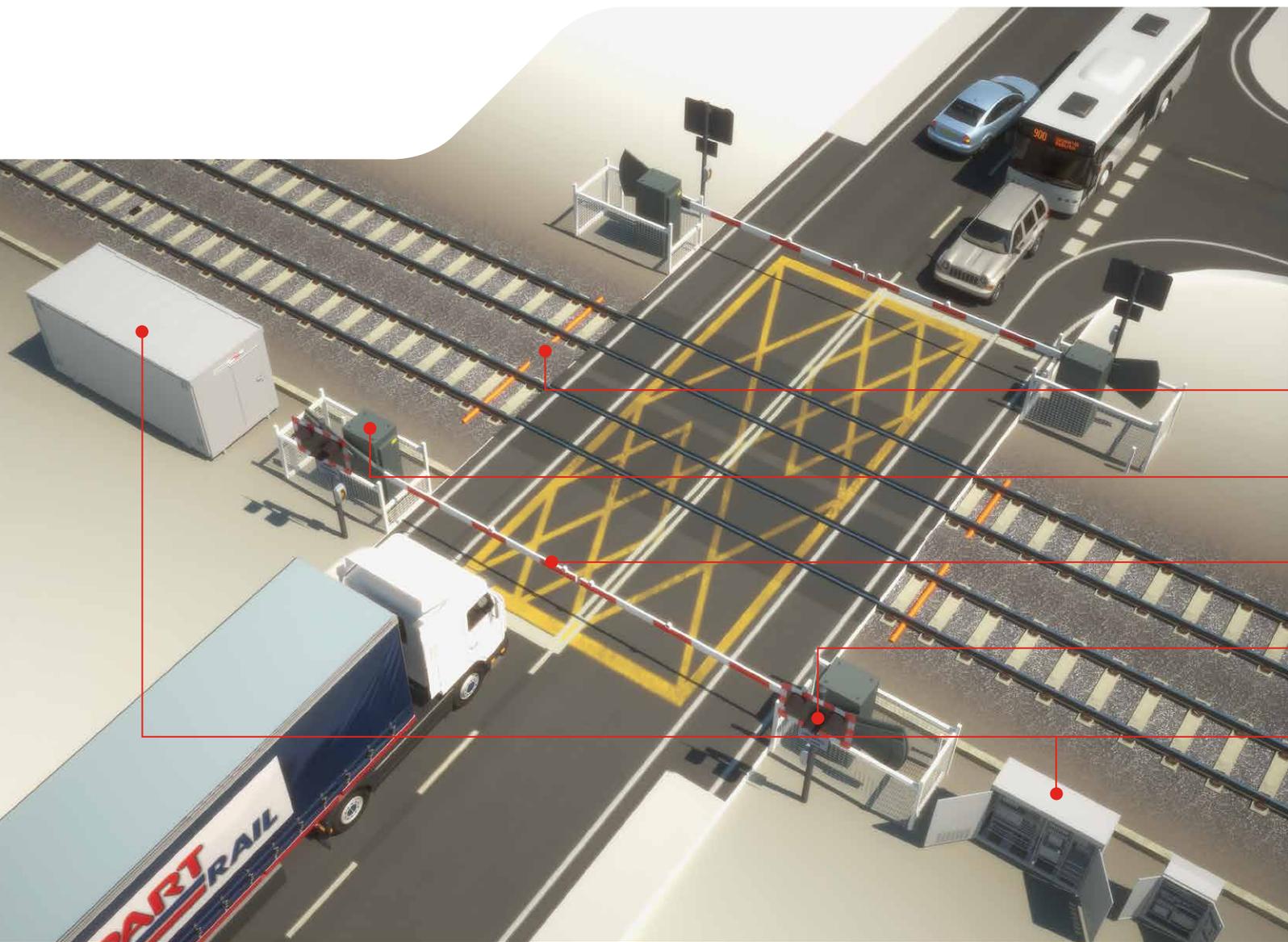
Commissioning spares are also provided for those unexpected stock outages of critical components.

Designed Engineering

Central to our service is reducing the civils requirement for level crossings by producing location cases containing all the equipment needed for level crossing control, instead of using an REB.

This reduces the civils requirement for foundations. And because we have the experience, we work with your designers to optimise the layout of equipment in the cases to reduce wiring requirements and improve the overall design and layout.

This also covers racking & raiiling and component proximity for the best performance.



Fully Tested and Installation-Ready

Until now, hard wiring and testing of the level crossing components was done in-situ, using valuable technical resource, and taking several hours to undertake the wiring, test and commission.

With our solution, the level crossing components are pre-tested in the factory and, as everything is plug-coupled, the installation on the pre-prepared civils is fast and simple.

The main benefit from this comes from our in-factory testing facility which brings together all the key infrastructure:

- Wig Wags
- Location Cases
- Crossing barriers
- Local Control Unit (LCU)
- Crossing Clear Unit (XCU)
- Obstacle Detection System

This thorough testing regime gives the installation team the confidence and ability to successfully commission a level crossing.

The Materials

- Cables, leads, interconnects, plug couplers
- Barrier machines, hydraulic or electro-mechanical
- Barrier booms, all styles, complete with LED boom lights
- WigWags, posts, ANPR, Yodalarms, Driver's Crossing Indicator, Standing Man
- REB and Location cases fitting-out, Marshalling Boxes, Disconnection Boxes
- CCTV, Lighting, LCU, XCU, Obstacle detection, treadles

Our Facilities

Our purpose-built Modular Level Crossing Island at Crewe has been designed for the build and testing regime to be seamless and responsive to customer demands.

The island utilises our considerable experience in location case build, materials supply, and Supply Chain Management to create something new - an integrated approach to creating and delivering the kits required to successfully deliver Network Rail's plans for level crossing upgrades across the country.



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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