



**The successful commissioning of the Finsbury Park relay room by Unipart Rail and Westinghouse Rail Systems Limited was another completed stage in the upgrade of the ECML signalling system.**

Controlling signalling on the ECML from Kings Cross to Potters Bar, where the relay room was also renewed by NRS in 2002, the system replaced the existing relay room at Finsbury park which had reached the end of its life.

Working in partnership with Westinghouse Rail Systems, the Finsbury Park relay room was built by NRS technicians at the NRS service centre in York in three 40 ft REBs.

Phil Morrell, Operations Manager at Unipart Rail said "WRSLS required a partner for the relay room with the expertise and capability to handle such a large and complex installation. NRS more than meets this requirement with our extensive knowledge and skill base."

The construction of the racking and installation 50,000 metres of wiring began a six-month process culminating in the the successful on-time, on-budget commissioning.

The three 40 ft REBs were fitted-out with racking and 90% of the SSI equipment prior to transportation to Finsbury Park. A 300 ton crane with a 120 ft reach hoisted the REBs from the road into the location next to the old relay room, a distance of some 50 ft over 20 ft high buildings, onto a concrete base.

Work carried on immediately to complete the remaining 10% of the interlocking on the IDF (Internal Distribution Frame) and to connect the interlocking interface. This involved running new 650v supplies and linking the new REBs with the the existing relay room with 24 x 50 pair cables.

Working closely with Westinghouse was imperative and Phil Morrell observed "The phased release of designs to NRS from Westinghouse ensured that construction of the interlocking was not held up waiting for the whole design to be completed. This partnership approach enabled the very tight timeframes to be met confidently and safely."

Phil commented on completion of the commissioning; "This was a major project to replace existing relay interlocking with SSI. We are extremely pleased with the results of our partnership with Westinghouse Rail Systems."

For further information on the Unipart Rail fitting service, contact Phil Morrell on 01904 522293.

## Relocatable Equipment Buildings

REBs supplied by NRS are designed to house signalling, telecommunications, UPS, CCTV and other systems. Designed and developed to IP65 standard as a robust low-maintenance environment, they are ideally suited for housing electronic equipment.

- Signalling Relay Rooms
- Telecoms and radio applications
- Rectifier Enclosures
- Test Bays
- Computer Rooms
- HV and LV Switchgear Rooms



- Fully earthed with air-conditioned climate control system
- 3-point locking system against unauthorised access
- Ingress protection against dust and water to IP65 rating
- Lifting hooks fitted for ease of movement
- Built to customer specification, size and colour
- Cable entry points in floor and wall to suit cable types
- Manufactured from 1.5 mm platisol steel

**Contact for technical advice**  
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## Tomorrow's solutions today

Communications technology is developing at a rapid pace. However sophisticated it may become, one thing remains – the junctions through which information must pass securely.

tfl has developed a diverse and dynamic range of innovative, value-for-money equipment buildings for the rail industry. Flexibility, innovation and an in-depth understanding of the marketplace are at the heart of tfl specially tailored solutions, backed by quality of design, engineering, manufacture and delivery.



Quality REBs for housing switchgear and telecom equipment

### Equipment protection

tfl REBs will protect your electrical, electronic and signalling equipment – anytime, anywhere.

tfl is one of Europe's leading manufacturers of REBs and equipment enclosures supplying infrastructure providers and operators within the rail industry for over 12 years with quality REBs to house switchgear and telecom equipment.

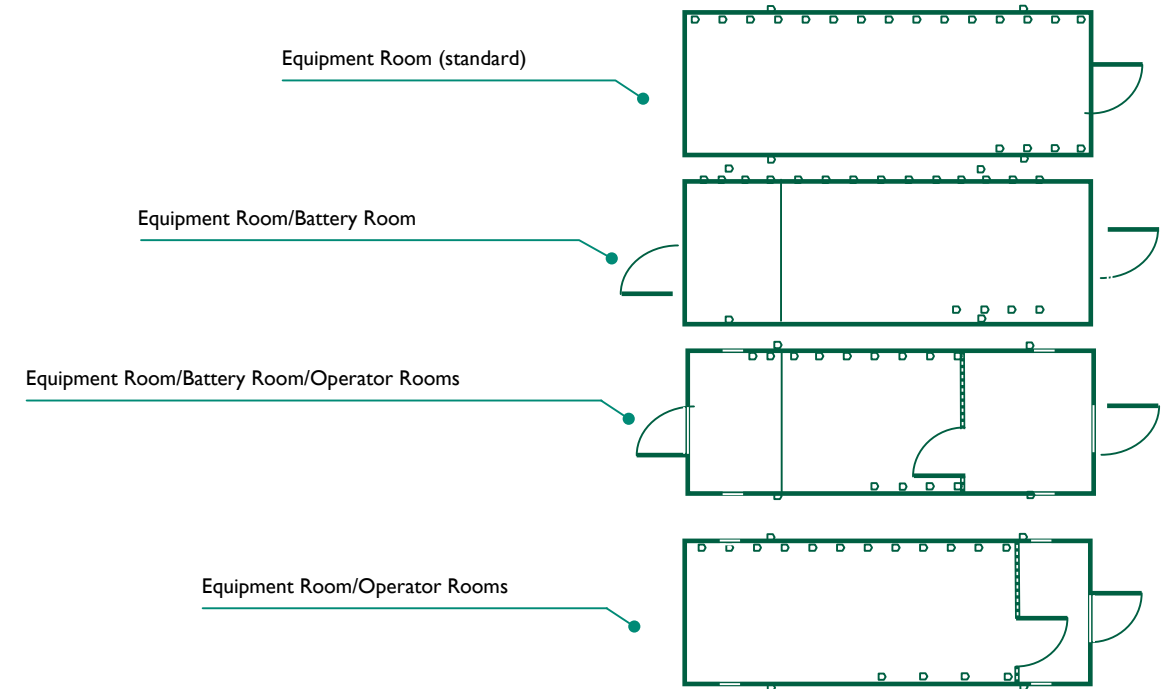
### Specification

- Conforms to Network Rail BR 1615 Issue 'D' specification
- Exterior cladding HP200 British Steel Plastisol
- Steel underdrawing and fully galvanised steel framework to door base
- Strong steel composite wall panel structure
- Conforms to Building Regulations with full insulation
- High security steel door and frame

### Benefits

- High spec design and build ensures long-life
- Steel construction with the full range of Corus (British Steel) colours and finishes guaranteed for 25 years
- Simple installation and relocatable
- Full climate control and insulated to British Standards
- Vandal resistant with high security
- Compliant with UK Building Regulations
- Industry Standard Link-up approved

## Range of standard buildings



- Heat management systems
- Forced ventilation or air conditioning systems
- Fire detection and suppression systems
- Intruder alarms
- Computer sub-flooring
- Cable management systems
- Optional electro-static access floor (see below)



### Range of standard sizes

All REBs have an equipment room as standard

NRS Cat N <sup>o</sup>	Reference	Model Size	Options Available		
			Battery Room	Operator Room	Window (Ops Room)
0082/998363	1	2.4 x 2.4			
0082/998369	2	3.6 x 2.4	✓		
0082/998371	3	4.8 x 2.4	✓	✓	✓
0082/998368	4	6.0 x 2.4	✓	✓	✓
0082/998367	5	7.2 x 2.4	✓	✓	✓
0082/998366	6	8.4 x 2.4	✓	✓	✓
0082/998365	7	9.6 x 2.4	✓	✓	✓
0082/998364	8	10.8 x 2.4	✓	✓	✓
0082/998370	9	12.0 x 2.4	✓	✓	✓