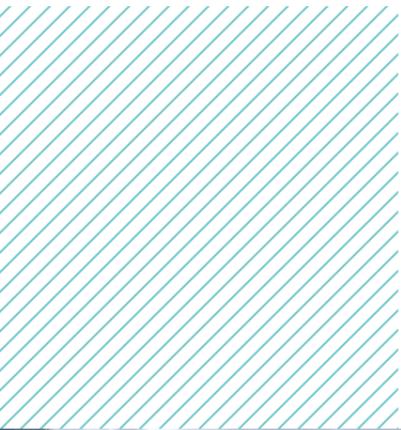




# Signet

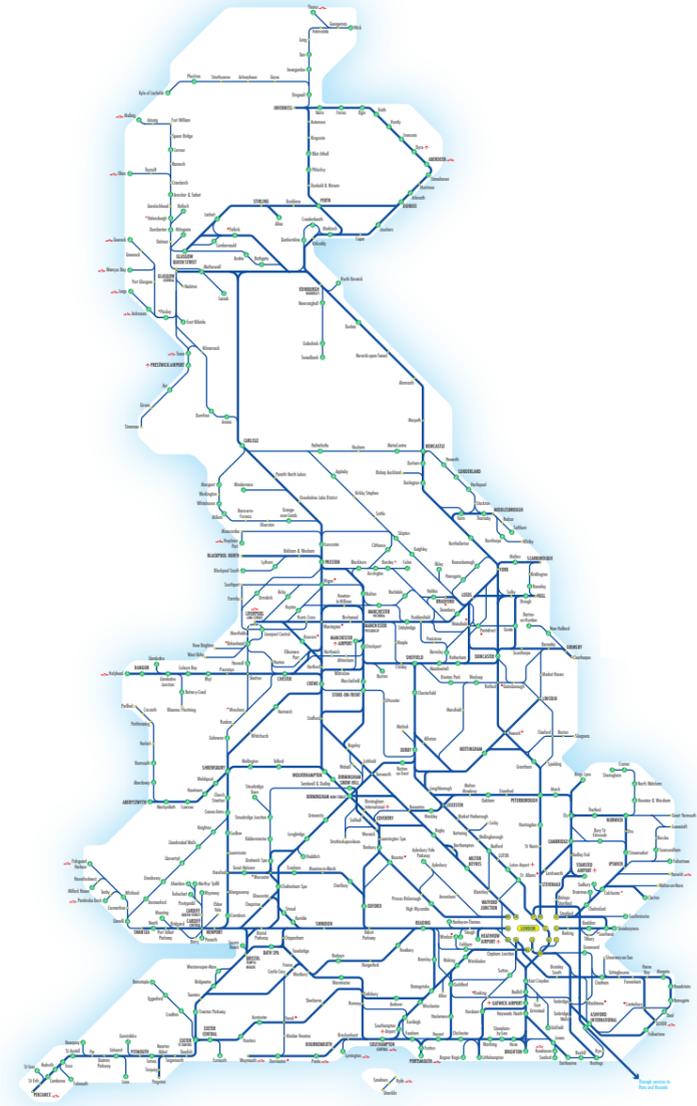
Reconfigurable Signalling Power

[www.camlinrail.com](http://www.camlinrail.com) || [mail@camlinrail.com](mailto:mail@camlinrail.com)



» *"On the West Coast Main line, Signet replaced the traditional LV power supply fuse protection systems to provide coordination and basic sectionalisation which was proving to be expensive and labour intensive and often resulted in long train delays and lost minutes. Signet solves this problem in a cost effective and controllable manner by automatically restoring power to affected signals and reconfiguring the system to isolate the fault."*

NETWORK RAIL, WEST COAST



» **Maintaining supply continuity during extreme fault conditions.**

At Camlin Rail, we're protecting network and maximising availability by driving sustainable efficiencies and performance success for railway networks and operators.

Our innovative solutions are closely aligned with the objectives of the Digital Railway initiative that will bring dramatic enhancements in efficiency, capacity, safety and sustainability to tomorrow's digital railway network.

Signet is our Network Rail approved reconfigurable signalling power system and we are proud to be the sole supplier. Since 2005, we have installed and commissioned over 2500 Signets on major UK rail projects, supported by an extensive range of Service Level Agreements, thereby ensuring Signet performs to predefined targets.

# » Signet Reconfigurable Signalling Power

Signet is our automated reconfigurable signalling power system which reduces the impact of faults on service continuity for railway network operators.

Signet allows rail operators to maintain supply continuity during extreme fault conditions.

In the event of PSP supply failure, cable fault, or if a section of the power cable is stolen, Signet first switches the circuit open in order to protect the power system. It then rapidly reconfigures the network in order to isolate the faulted or missing section and ensure continuity of supply.

Once the fault has been repaired or the missing cable replaced, Signet allows power to be restored the network, and returns the network to its original configuration.

Signet is available in 400V 3-phase or 650V single-phase versions to suit IT or TN systems.

## Signet Benefits



### Automatic reporting

Alarms generated by Signet are sent automatically to the network management system, such as Network Rail's Intelligent Infrastructure.



### Automated operation

Signet automatically isolates the section of network where cable faults or theft has occurred: supply is restored after the fault is repaired.



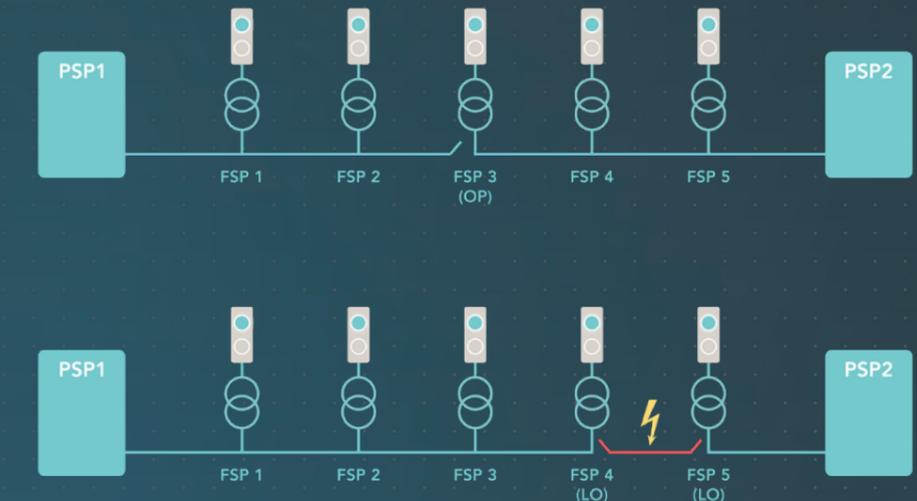
### Fewer delays for passengers

Signet reduces the impact of signalling power faults on service continuity, minimising passenger dissatisfaction and potential penalties for operators.



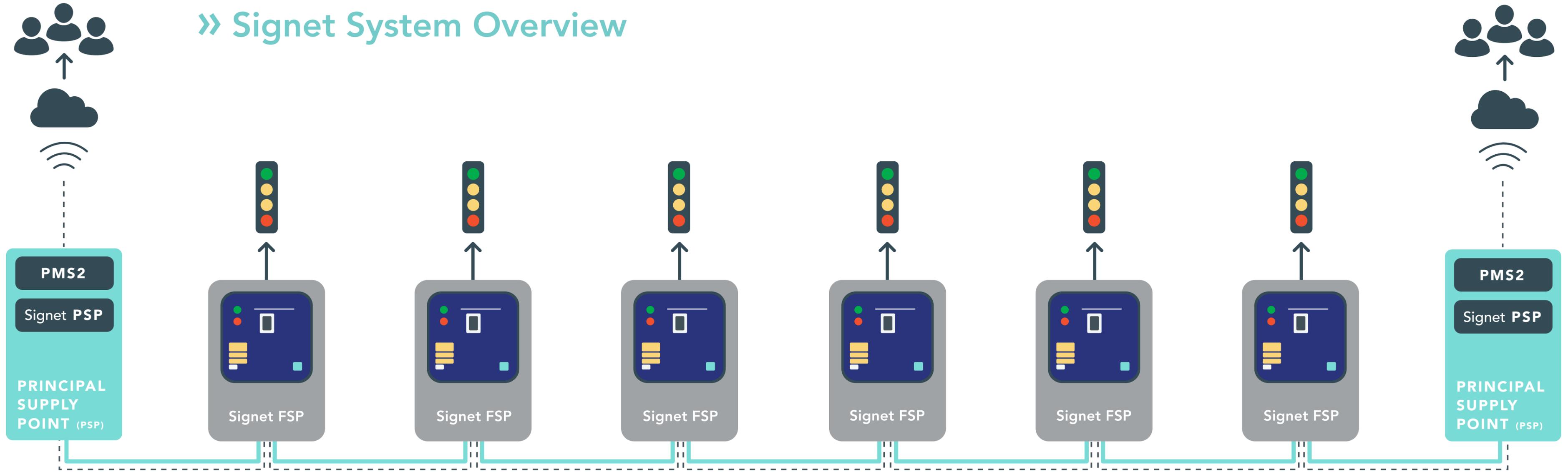
### Network Rail Approved

Signet is approved by Network Rail, with over 2,500 units deployed on major UK rail projects including West Coast Main Line, Crossrail and Thameslink.



Graphical example of fault between FSP4 and FSP5. SIGNET system has automatically isolated the fault and maintained supply to all FSPs.

# »» Signet System Overview





# Elizabeth line

## THE SPECIFICS

- ✓ The Elizabeth line is a prestigious route with a high frequency of passengers, requiring fault detection to ensure reliability
- ✓ Camlin Rail have installed over 500 Signets within two sections of the main line route between Paddington and Maidenhead and Stratford to Shenfield
- ✓ Signet was installed to protect networks and enhance availability to keep trains moving



# West Coast

## THE SPECIFICS

- ✓ The West Coast Route Modernisation (WCRM) project began in 1998 to modernise the railway, increase capacity and reduce journey times
- ✓ Linking London with Glasgow and also with Birmingham, Liverpool and Manchester, the WCML is a key strategic railway line in the UK with key hubs for commuting passengers
- ✓ Aligned with Network Rails Digital Railway Strategy to ensure safety of staff and enhancing availability, Camlin Rail have installed over 1000 Signets to automatically isolate faults and reduce down time.



To find out more about Camlin Rail and Signet, get in touch with the team or visit [camlingroup.com/rail](http://camlingroup.com/rail) today to take the journey further.

**Camlin Rail**

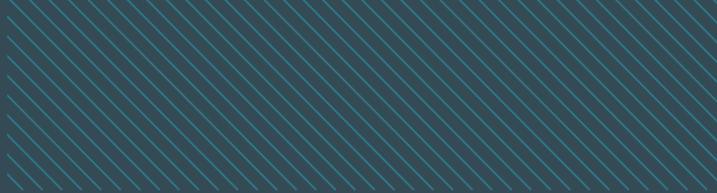
31 Ferguson Drive  
Knockmore Hill Industrial Park  
Lisburn BT28 2EX  
Northern Ireland

**Camlin Rail (US)**

1765 N. Elston Ave. Unit 105  
Chicago, IL 60642

- +44 (0)28 9262 6989
- [mail@camlinrail.com](mailto:mail@camlinrail.com)
- [camlinrail.com](http://camlinrail.com)





Whilst every effort has been made to ensure that the information given is accurate, Camlin reserve the right to change any of the details or specifications in this document without prior notice and disclaims liability for any editorial, pictorial or typographical errors.