

Support Services

Factory based refurbishment of switches and crossings

As an extension to our Support Services business Corus Cogifer can offer factory based refurbishment of switches and crossings and other components to provide clients with better value for money from their infrastructure.

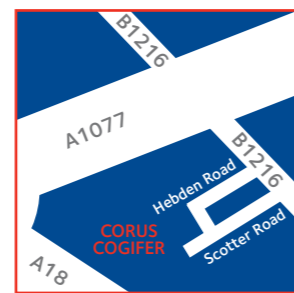
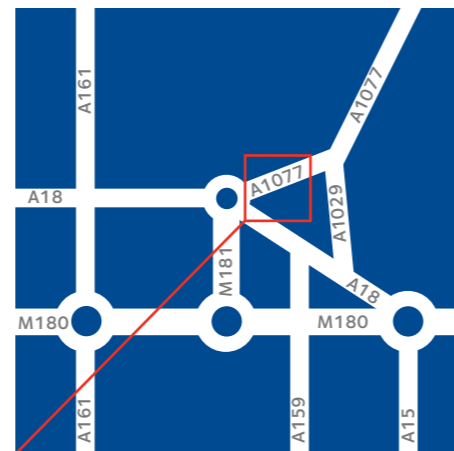
Before...



After...



HOW TO FIND US



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Corus Cogifer Switches and Crossings Limited now offer a range of support services to our customers:

- Site inspection of switches and crossings
- Supervision of assembly work
- Diagnostic assessment of switches in service
- Trackside assembly of switches and crossings
- Maintenance grinding of switches and crossings
- Factory based refurbishment of switches and crossings and components
- Support planning for installers
- General post installation product support



The aim of the new Support Services business unit from Corus Cogifer is to offer a unique combination of both "high & low tech" support to switches and crossings during the design, manufacture, pre-installation preparatory work, installation and maintenance stages.

The services which are available are intended to give our customers the option to extend the serviceable life of their switches and crossings, keep them in good repair and make use of our skilled assembly work force.

Using the extensive experience and knowledge of our personnel we are able to offer an improved level of service to assist customers in the selection of products and provide diagnosis of existing turnouts providing technical recommendations and proposals for maintenance and/or replacement of components.

At Corus Cogifer we consider your infrastructure as a whole using our comprehensive experience in all areas of rail. In this way, we are able to develop and implement effective concepts for the optimisation of your track that are individually adapted to your conditions of use. We identify the cost-driving factors in your system and treat the causes. As a result, many maintenance measures that are actually unnecessary, are dispensed with automatically. The causes of possible problems are identified before problems actually arise. By means of preventative measures that, for example, minimise wear and tear, we are able to reduce costs and improve performance.

To meet Network Rail's requirements for the delivery of a fully integrated and tested switch and crossing system, Corus Cogifer has developed the RAPIER (Realtime Portable Integration Test Recorder). This state of the art instrumentation allows us to actuate, monitor and analyse the performance of switches and crossings both inside a workshop environment and trackside. The RAPIER instrumentation is capable of operating the switches either manually or automatically to a pre-determined number of cycles. It is designed to operate switches which are driven by either HW2000, M63, T72 or Vossloh Cogifer's MCEM and MCEH series of electromechanical and hydraulic point machines.

With a real-time link to a portable computer the system is capable of graphically recording a number of key measurements (every 2 milliseconds) including:

- *Switch linear displacement*
- *Multiple measurements of forces required to lock and unlock switches*
- *Current used by the point machine to operate the switch forces at the rear crank on the switch backdrive*

The RAPIER provides Corus Cogifer with a precise footprint for pre and post installation switch performance, which can be analysed and allows us to make recommendations which could enhance the life cycle of the turnouts and also prove useful in future research and development works.

Typical switch system footprint

