

Case Study: OLE Isolation Control System at Reading Train Care Depot

Client: Network Rail

Project Partner: WJ Project Services

Location: Reading Train Care Depot

Scope: Commissioning a temporary feeding arrangement, supporting the installation of new interlocked motorised OLE switches and Remote Control Panels (RCP), testing and commissioning new system into operational use.



Project Overview

WJ Project Services commissioned a new OLE isolation system at Reading Train Care Depot to improve the safety and efficiency of isolating electrified roads within the train care shed. Previously, nominated persons were required to walk over 400 metres to operate isolation points at both ends of the shed.

Approach

The project introduced Remote Control Panels (RCPs) to allow trained personnel to control OLE switching locally. WJ Project Services carried out the testing and commissioning of the motorised OLE switches, ensuring correct functionality of the isolation system.

Commissioning & Training

Functional testing confirmed that the switching system operated safely through the RCPs. The sequence ensured that the West End OLE switches are placed into the earthed position before the OLE feed key is released, securing the applied earth and allowing safe access to the East End switching location.

Equipment

Motorised OLE switches with positive indication interlocked MLE Motor Control Units, and Remote Control Panels were installed and tested as part of the upgraded isolation system.

Outcome

The commissioned system significantly reduced operational workload for depot staff while maintaining safe and efficient isolation procedures for electrified roads within the train care shed. In addition to the remotely operated system, a fortress manual interlocked isolation system was also commissioned to provide additional resilience in the event of remote / motorised operation issues.