



CASE STUDY

Canton Bogie Drop

Customer
Transport for Wales

Completion Date
March 2026

Location
Cardiff

PROJECT OVERVIEW

As part of the Transport for Wales (TfW) Core Valley Lines (CVL) transformation programme, Cairn Cross was appointed to design and construct a new, state-of-the-art bogie drop maintenance facility at Canton Depot, Cardiff.

The facility was developed to service and maintain TfW's new fleet of FLIRT vehicles, including 11 bi-mode and 24 tri-mode units, supporting the long-term modernisation of rail infrastructure across Wales.



THE CHALLENGE

Delivering this flagship facility within a live operational depot environment presented several complex challenges.

The project required close coordination with multiple stakeholders including Network Rail, Transport for Wales Rail, Pullmans, and National Grid Electricity Distribution (NGED). Maintaining alignment across all parties. We implemented fluid resequencing and adapted the programme on a monthly basis to minimise disruption to depot operations. This transparent and adaptive approach was recognised and praised by the client.

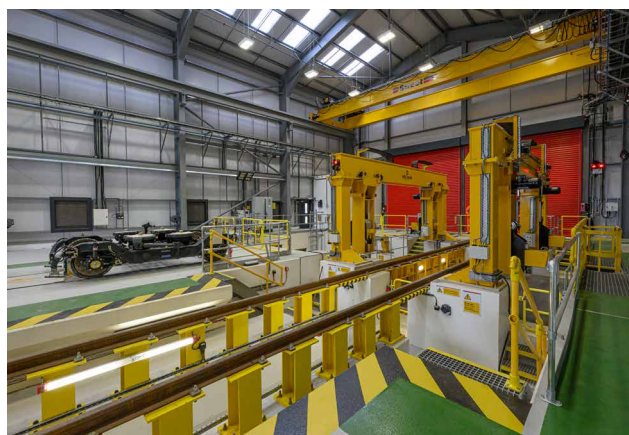




THE SOLUTION

Cairn Cross adopted an open, honest and pragmatic approach to project management, built on collaboration and transparency.

By combining technical expertise with adaptive planning, we ensured that operational railway activities could continue safely alongside major construction works.



THE RESULT

The Canton Bogie Drop facility showcases engineering capability and a benchmark approach to collaborative project delivery.

The project has been recognised by Transport for Wales as an example of best practice in programme transparency and stakeholder management. Our methodologies have since been referenced across other CVL packages as a new standard of “what good looks like,” encouraging contractors to maintain open, honest and fluid critical path management.

The completed facility now plays a vital role in maintaining TfW’s modern FLIRT fleet, supporting the long-term resilience and performance of rail services across Wales.



For the full story - please visit www.cairncross.uk.com/projects/

CAIRNCROSS

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