



# Caerphilly Tunnel



## Case Study

### Background

Centregreat Rail received a request from AIW to support emergency works at Caerphilly Tunnel. Following on from a prolonged period of rain, water had started to ingress into the tunnel and on a number of occasions had flooded the tunnel, blocking the operational railway line.

### Delivery

Centregreat became involved to design bespoke water holding pans. This allowed the tunnel wall water ingresses to be funnelled into bespoke water holding areas from which it could be channelled into the correct existing drainage points within the tunnel.

### Outcome

The Caerphilly Tunnel project demonstrated some of the multi-disciplinary capability for work types delivered by the Centregreat group of companies. The ability of one group member to call upon the support of fellow Centregreat companies supports our organisational flexibility to respond and source bespoke solutions within tight timescales.

include testimonials where possible  
Centregreat's in-house capability meant that the company could promptly survey the affected areas, produce drawings and manufacture and install a solution which reduced the impact of closures on this section of the operational railway.

Due to the nature of the construction of the tunnel, Centregreat Rail could not adopt a 'one size fits all' approach, therefore each one of our solutions required a bespoke fabrication. Works were completed over two weeks.



**Client:** Amey Infrastructure Wales / Transport for Wales

**Value:** £50,000

**Delivery Period:** November 2021