

# CASE STUDY: BORDERS RAILWAY

## About the project:

Expected to deliver £33m of benefits to the local economy, including a boost to tourism and helping to reduce congestion between the Borders and Edinburgh, the new Borders Railway is the longest new domestic railway to be constructed in Britain for over 100 years.

The construction phase of the Borders Railway Project was delivered by Network Rail in partnership with Transport Scotland, The Scottish Borders Council, Midlothian Council, City of Edinburgh Council and BAM Nuttall.

## Power supplied:

Six 55 KVA single phase sets for individual principal supply points.

## Application:

Located at six principal signal points (PSPs): Kingsgate, Fushie Bridge, Tynehead, Galabank, Bowlands and Tweedbank, the generating sets provide an uninterrupted back-up power supply for signal points along with UPS. This was a complex installation completed over a three month time frame working to enhanced specification for front and back synchronisation to minimise disruption to site critical power. The finished installation is also fully remote accessible for control and monitoring, and can be accessed via a mobile App.

Whilst Network Rail utilise in-house resources to maintain and service this installation, the DTG team is always on hand to provide specialist support as required.

## Why DTG?

We have worked in the rail sector for many years and delivered over 25 key projects for Network Rail including Edinburgh Waverly, Glasgow Queen Street and Aberdeen, so our track record is unrivalled!

Specialist rail projects come with the requirement for bespoke solutions to meet a whole variety of specifications, and our team has the technical ability to deliver high quality, reliable systems time and time again.

## What the client says:

"We have worked closely with the staff and engineers at Dieselec for many years and on some very large projects. When it comes to reliability and professional engineering to the highest standard they can't be beaten. Our Borders Rail project provided many challenges with regards space constraints, introduction of new remote access and communication modules. Our solid relationship with these guys insured a smooth installation and commissioning into operational service."

