

Stay safe around the railway

Electrifying the railway brings many benefits but it also has safety implications:

25,000 Volts = 100x 

overhead power lines carry 25,000 volts - 100 times greater than the home supply.



9 out of 10 people die from the electric shock received when they've got too close to railway overhead power lines. Tragically, 69 people have been electrocuted on the railway in the last ten years.

Contact us

About the Great Western Route Modernisation programme

If you have a question about the work or would like more information about GWRM or the electrification element of the programme, please contact us:

- networkrail.co.uk/great-western-route-modernisation/
- GWepComms@networkrail.co.uk
- Like us on facebook – facebook.com/networkrail
- The 'Live Wire' education resources and supporting materials - www.networkrail.co.uk/safetyeducation

Travel enquiries

If you have a question about train times or journey planning please visit your train operator's website or visit:

www.firstgreatwestern.co.uk

www.nationalrail.co.uk

NetworkRail



Great Western Route Modernisation

Networkrail.co.uk/great-western-route-modernisation

CSM@raillifewest

RAIL LIFE



Department for Transport



Great Western Electrification

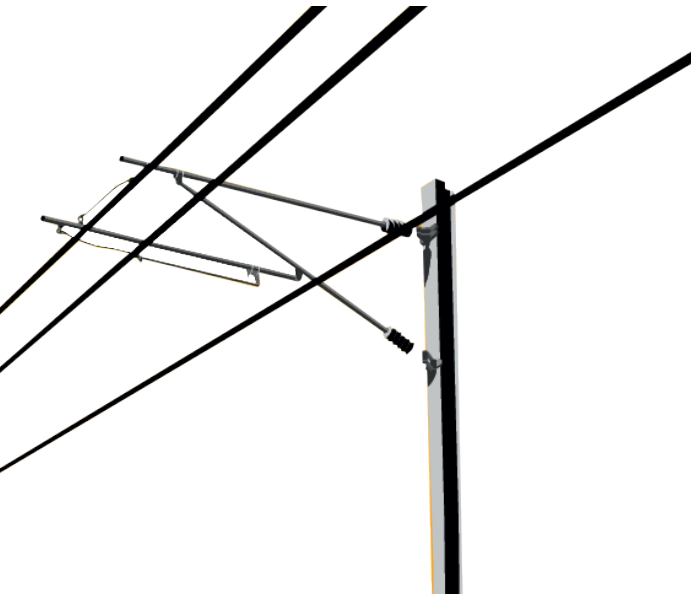
We're electrifying the Great Western route to make journeys more reliable, greener and quieter for thousands of passengers.

The electrification of one of Britain's busiest and oldest railways will improve connections between major towns and cities across southern England and South Wales. Journeys will be smoother and more comfortable for passengers and quieter for people living near the railway.

The work between London and Bristol, including Newbury and Oxford, will be completed by 2018, with the route to Cardiff electrified by 2019.

Our pioneering high output equipment will be used which can electrify around 1.5km of railway per night, allowing us to keep the railway open during large parts of the construction work.

To prepare for the work we need to upgrade bridges and tunnels, and carry out safety improvement work to parapets.



Why Electrify the Great Western?

Improved reliability

Electric trains are cheaper to operate than diesels.

They require less maintenance and have lower energy costs. They're also lighter and do less damage to the track, helping make the railway more reliable.

Better for the environment

Electric trains emit around 20-35% less carbon than diesel trains and there are no emissions at the point of use, improving air quality in pollution hot spots such as city centres and main line stations. They are also quieter and are virtually silent when waiting at stations.

Longer, faster trains

The Intercity Express Programme will transform travel on the Great Western by providing a new fleet of faster, longer trains and more frequent services on intercity journeys.

The trains will run on the newly electrified track and support the move to a greener, cleaner and more efficient rail network.

Stimulating the economy

Electrification will stimulate economic growth across the region by improving connections between towns and cities.

More trains with additional seats will improve access to jobs and services and open up new opportunities for business.

Supporting the region's long-term, low-carbon economy and better connecting people to jobs, services, friends, family, education and leisure opportunities.

