



Providing power to the railway

To provide power to the railway, we need to connect into the National Grid network at a number of points along the route.

These sites, known as autotransformer feeder stations (ATFS), will house the equipment required to make this connection. To allow sufficient space for this equipment, these sites need to be approximately 200m by 135m and approximately 8m high. Along the Phase 2b route we currently think we need ATFS sites in the following locations:

- Kingsbury, North Warwickshire
- Thurcroft, near Rotherham
- Bottom Boat, near Wakefield
- Kegworth, Leicestershire
- Hoo Green, Cheshire

In addition to the ATFS sites, we also need a series of smaller sites every three miles (5km) along the route to house equipment required to boost the power available to the trains. These sites, known as autotransformer stations (ATS), will need to be approximately 50m by 20m in size.

HS2



Why HS2 will be good for jobs and businesses

“By bringing our major cities, regions and communities closer together we are encouraging business and innovation”

Chris Grayling MP, Secretary of State for Transport

- We will help small businesses in the Midlands and the North to grow by improving their access to finance and support networks
- HS2 is set to create 25,000 new jobs, including 2,000 apprenticeships, with the newly-opened National College for High Speed Rail playing a key role in generating the workforce of the future
- By more than halving the journey time from Birmingham to Manchester and Leeds, as well as to other destinations in the North, we will make it easier for the region to operate as a single economic unit and access new markets

“Improved connectivity will drive productivity growth across the Midlands and the North”

Survey of businesses and regional bodies

[hs2.org.uk](https://www.hs2.org.uk)



Park Street Gardens construction compound for Curzon Street station, Birmingham

Construction compounds

Two types of construction compounds are required along the route:

- main construction compounds
- satellite construction compounds

Main construction compounds act as strategic hubs for engineering, planning and construction staff, including areas for:

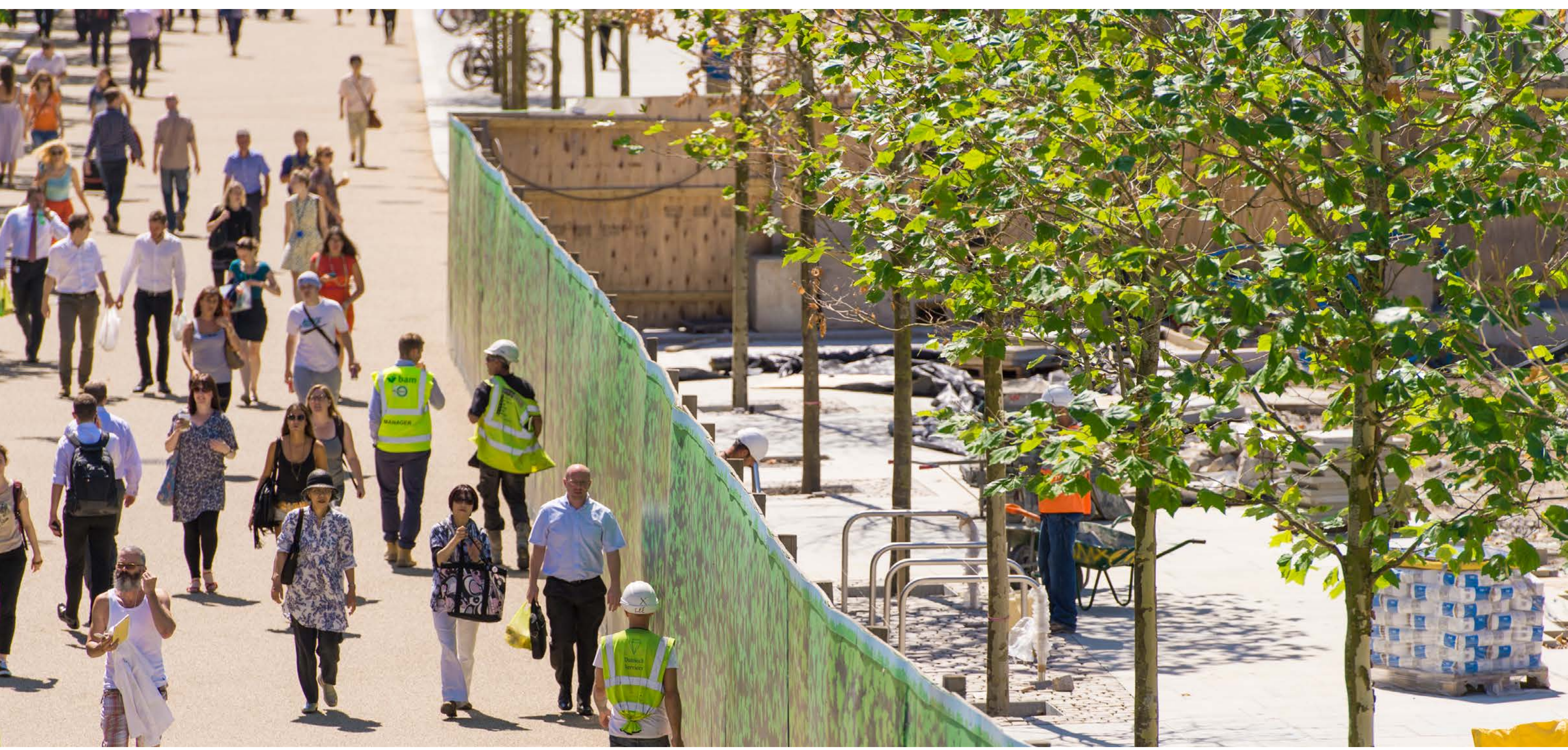
- storing construction equipment and materials
- maintenance and parking facilities
- welfare facilities and accommodation for staff

Smaller satellite compounds are used as a base to manage specific works along a section of route and for local storage. Satellite compounds will also be used for work on the track, and for signal and communications systems following completion of the main works.

Compound sizes will vary and sites will be required for the duration of the construction process.

Construction compounds are regulated by the Code of Construction Practice (CoCP), which is monitored and regulated by the local authority.

HS2



Realignment of roads and public rights of way

The proposed scheme will cross many existing roads and public rights of way.

Rather than alter existing layouts, where practicable, the railway will be designed so that roads and public rights of way are carried over or under the railway.

During construction, both temporary and permanent realignments may be required. Temporary arrangements will remain until work is completed and the road or public right of way is either re-established or a permanent realignment is constructed.

Where permanent realignments are required these will usually adopt the shortest practicable route. We aim to minimise the impacts on vehicles, pedestrians, cyclists and equestrians when developing new road layouts and public rights of way.

We will work with highway authorities, Local Access Forums and communities to identify the best way of maintaining road access and public rights of way during construction.

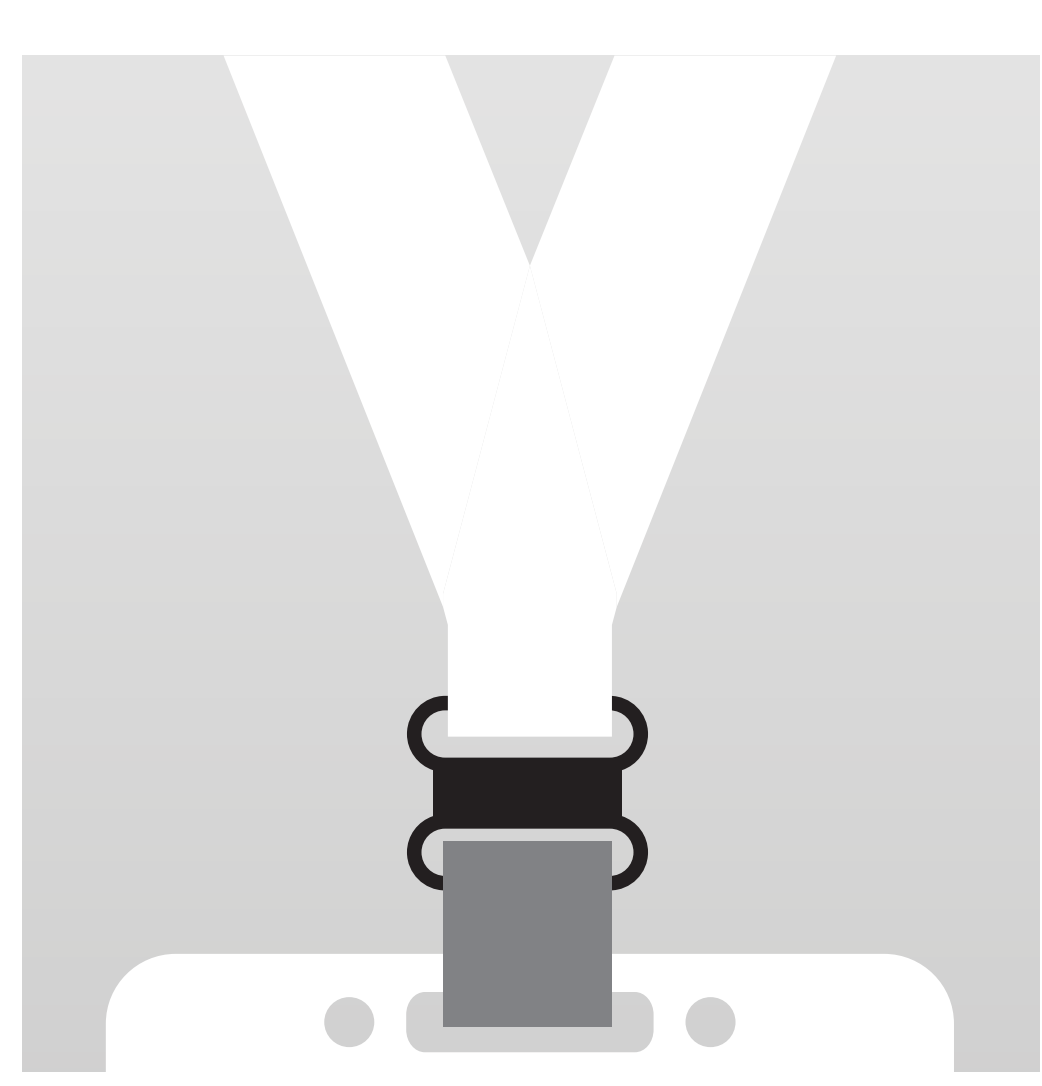
HS2



Can I help you?

We have a variety of staff with different expertise. We can answer many different questions about HS2, but we also specialise.

If you want specific answers to queries you will see that our badges have different coloured lanyards. Please make a note and find someone with the coordinating colour:



**HS2
Representative**
White



Property
Orange



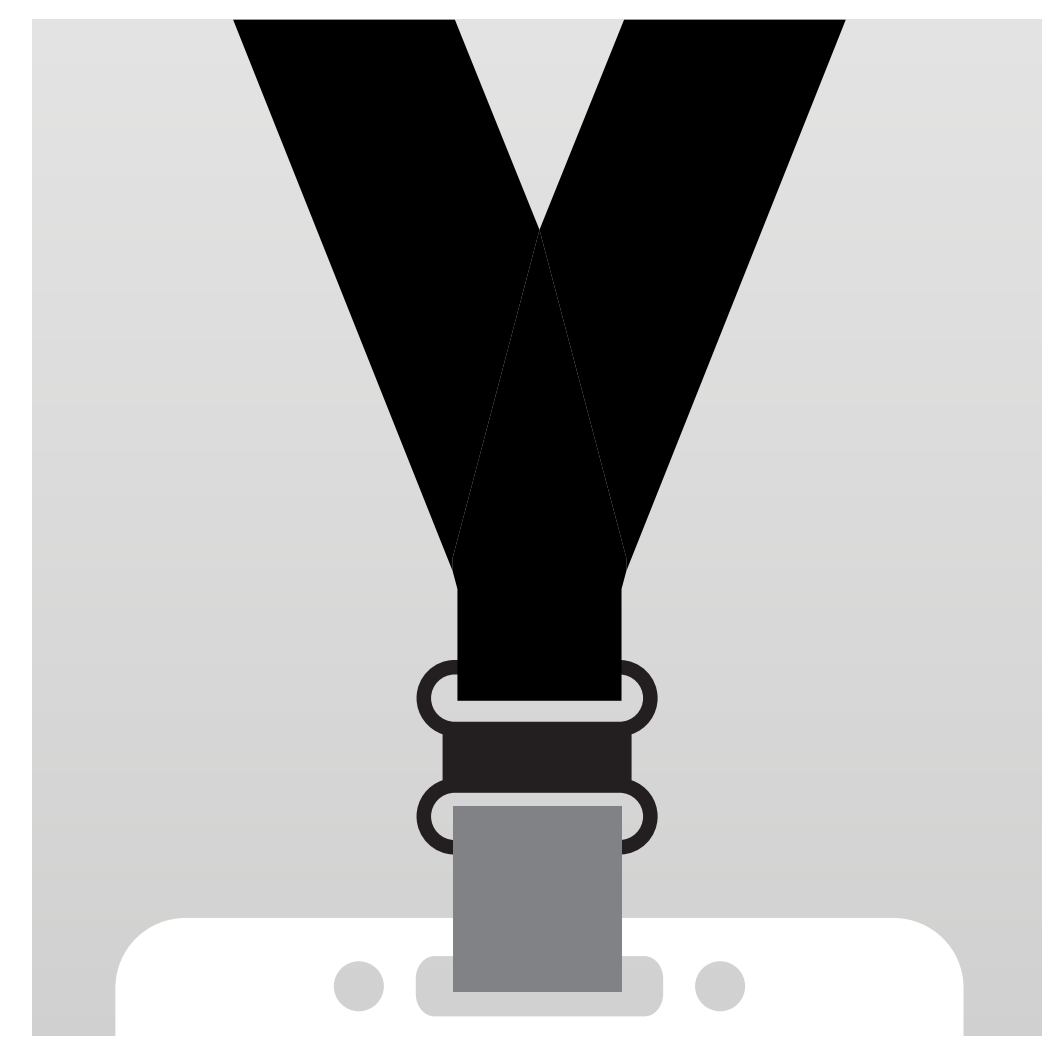
Engineering
Yellow



Engagement
Purple



Environment
Green



Policy
Black

[hs2.org.uk](https://www.hs2.org.uk)

HS2



Surveys

As plans for HS2 develop, we need to build a clear picture of the local environment. Surveys are an important part of this.

Where possible, we work on land accessible to the public, but for some surveys we need access to private land. In these cases, we agree access with the people who own and use the land.

Non-intrusive surveys

These surveys don't cause significant disturbance to the environment or to land and property. They take place in:

- woodlands, rivers and streams
- buildings - for ecological species surveys
- agricultural land - ground sampling to check soil
- archaeological and heritage sites

Ecology surveys

These include surveys on protected wildlife species in:

- ponds and lakes (e.g. amphibians)
- hedges, woodland scrubland, grassland, heathland or bog (e.g. dormice, badgers)
- flowing water, ditches and rivers (e.g. crayfish, otters, fish, water plants and kingfishers)
- buildings or human structures (e.g. barn owls)

[hs2.org.uk](https://www.hs2.org.uk)



Farm impact assessments

We will be meeting with people who own or rent farmland that might be affected by HS2.

These meetings will help us understand the potential effects on individual farms and will help inform part of the Environmental Impact Assessment (EIA) for Phase 2b.

The type of information we will be looking to gather includes:

- size, location and use of the farm
- type and size of agricultural land and non-agricultural businesses based on the farm
- potential impacts of HS2 on the structure and operation of the farm
- potential options to reduce, avoid and manage impacts, although no commitments can be made at these initial meetings

A record of the meetings will be shared with each farm to check that the facts and subjects we discussed have been correctly understood and recorded.

This information will form part of the Farm Pack that we will use to help reduce, avoid and manage disturbance.



Keeping you informed

We have local engagement teams that cover every area of the route. We also try to keep you up-to-date with different aspects of HS2 in a number of ways.

Residents' Charter and Commissioner

The Residents' Charter is our promise to communicate as clearly as we can with people who live near the route.

Visit www.hs2.org.uk to learn more.

Property and compensation

If you live near the line of route, you may be eligible for compensation. To find out more, visit www.hs2.org.uk.

Project updates

For more information about Phase Two plans, visit www.gov.uk/hs2 and click on HS2 Phase 2b: Crewe to Manchester and the West Midlands to Leeds.

For details of events in your area, visit www.hs2.org.uk

Jobs and skills

To see what jobs are available on HS2 at the moment, check out our careers page: www.hs2.org.uk/careers

If you're interested in a career in high speed rail, visit www.nchsr.ac.uk

And if you're a business wondering how to get involved with HS2, go to www.hs2.org.uk/supply-chain

hs2.org.uk