



MONTHLY  
NEWSLETTER OF  
INTERLOCKS  
SURVEYS LIMITED

# October 2022

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## Who are we?

Interlocks Surveys Limited was established in 1995 and Incorporated in 2000.

Since then, it's become one of the principal independent land surveying companies, regulated by The Royal Institution of Chartered Surveyors.

If you require a quotation for an upcoming project, email us at: [info@interlocksurveys.co.uk](mailto:info@interlocksurveys.co.uk) or drop us a call on 01926 330123.

If you'd like to find out a little more about us, click [here](#) to see our website!



## Helping Shape the Future of British Transport

5 years later and we're back on HS2 – the largest infrastructure project in Europe, and one of the most ambitious (and expensive) ever undertaken!

With a total investment of £55bn and a whopping 16-year construction plan, it's certainly the biggest we've ever worked on, and we're proud to be helping shape the future of British transport.

Our introduction to HS2 began in 2017 as part of the clearance process near Euston. Before any project begins – let alone of this size – it's important to know what you're building on. And that's where we came in.

However, this time around, we're much closer to home. In fact, as the 250-mile high-speed line snakes its way through the Midlands and up towards Birmingham, it's practically on the doorstep.

So far, we've supplied several Setting Out Engineers to prepare the route, and we're looking forward to more involvement further down the line.

## SnakeGrid

Whatever you're building, it's important to be accurate. But the bigger the project, the more difficult this becomes. For projects extending hundreds of miles, it's very important to consider the curvature of the earth, which can lead to distortion.

Instead of different scale factors for different locations, HS2 is using SnakeGrid – a single, seamless, low-distortion coordinate system for large linear projects. This way, everyone can use the same system, wherever they are. Easy, right?

## Flood Risk Modelling

But that's not all. We've also been travelling across the Midlands, providing National Grid and Western Power with *Critical Asset Levels* for a series of electrical sub-stations.

Once completed, the data will be utilized for Flood Risk Modelling – a complex form of risk analysis in which topographical & hydrological data are used to create accurate flood simulations.

These will then go on to help safeguard the grids from any flood-based damage.