

## Best coverage dataset for network planning in the UK

- High resolution 2m coverage for more than 300 cities including Greater London
- The whole of the Great Britain and Northern Ireland at 10m

### Leading-edge satellite and spatial data enable accurate 3D mapping across the UK

Accurate mapping is a hot topic for telcos tasked with planning and rolling out 5G networks across the UK. The performance demands of 5G can only be met by dense mobile networks that provide reliable coverage in even the most cluttered urban neighbourhoods.



### Unmatched coverage for network simulation

We're expanding our high-resolution 3D coverage from around 30 cities at the start of the year to almost 300 urban centres with more than 30,000 inhabitants. This is in addition to our mid-resolution mapping coverage, which provides 10-metre resolution across the entire country.

### Off-the-shelf data solution

All the data has been processed, verified, void-infilled and error-corrected to provide seamless coverage. The maps are delivered in industry-standard formats, so they interface with all major GIS software solutions.

NTT DATA's solution gives users access to some of the most accurate and up-to-date geodata on the market. The solution also integrates with all the major RF simulations.



## Quality data for a seamless solution

NTT DATA's Nationwide 3D Maps enable planners to factor in potential obstacles ranging from buildings to vegetation.

### For Whom

This is essential for mobile network operators and equipment vendors looking to optimise their RF simulation and wireless network design and planning. It is also a valuable tool for long-distance wireless communication design.

## Why choose NTT DATA?

Only NTT DATA can provide an off-the-shelf dataset for the entire UK for network simulation. Our Nationwide 3D Maps provide an off-the-shelf solution for mobile network planning and other applications. Our approach to satellite data is well-proven in the US and Japan, as well as the UK.

Better still, NTT DATA's experience and expertise enables us to combine an excellent solution with next-level support. We help clients quantify the expected benefits of combining satellite data with existing GIS systems and geo data to optimise their return on network investments.



## Off-the-shelf dataset in UK

	3D Vectors (building/vegetation/ bridge)	Digital Height Model (DHM)	Digital Terrain Model (DTM)	Digital Land Use Model (DLU)
Resolution	-	2m	2m/10m	2m/10m
Horizontal Accuracy (RMSE)	2m	2m	2m	2m
Vertical Accuracy (RMSE)	1-2m	1-2m	1-2m	-
Coverage	Major Cities*	Major Cities*	Major Cities* (2m) Nationwide (10m)	Major Cities* (2m) Nationwide (10m)

\*all major cities in the UK with a population with more than 30,000 inhabitants



Get in touch with Matthew O'Neill [matthew.oneill@nttdata.com](mailto:matthew.oneill@nttdata.com) to find out more about how NTT DATA's 3D mapping solutions can help you accelerate and simplify your 5G network rollout

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