

5G is leading us to a hyper-connected future

Now is the time to measure its progress



Always-on, seamless connectivity



video calls





video







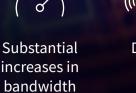


5G is serious business.

\$6.3 billion:

amount lawmakers for its Digital UK initiative, aimed at bringing super-fast connectivity across the entire UK by 2035.





Driverless cars



smart homes, &

smart industries

Immersive entertainment & virtual reality

with zero delay

Zero-latency gaming

in the UK committed



global economic output

\$13.1 trillion:

enabled by 5G in 2035, which is nearly equivalent to combined annual consumer spending in China, France, Germany, Japan, and the UK (\$13.4 trillion).



\$235 billion: annual amount

the 5G value chain will invest to continually expand and strengthen 5G technology.

testing has never been greater.

Partnering across the connectivity landscape Bringing the future

promises of 5G closer to reality today

and governments need the right network coverage and performance data, and they need it now.

Businesses, industries,



West Midlands, the UK's first 5G testbed, was selected by the UK government for trials of several

Testing in action

5G use cases, including connected ambulances, driverless cars, and other smart technologies.

Measuring 5G performance in West Midlands, England

To provide an in-depth look at how 5G is progressing in the area, we tested 5G performance in Sandwell, a borough of West Midlands.



organization with two key goals: to accelerate the

a telecom and digitalization

benefits of 5G, and test, prove, and scale new 5G projects and services. Key stats and figures from testing in Sandwell

technology data company, to measure 5G performance in

a UK-based roadway

Sandwell and help WM5G achieve its goals.

performance on every street in Sandwell.

April 6 to April 17:

dates of testing.

21,000+: total number of data

performance tests conducted.

comprehensive scienceplus-crowd picture of 5G

that can't be achieved by crowd data alone.

performance in Sandwell

33 square miles: area covered during testing.

Results at a glance

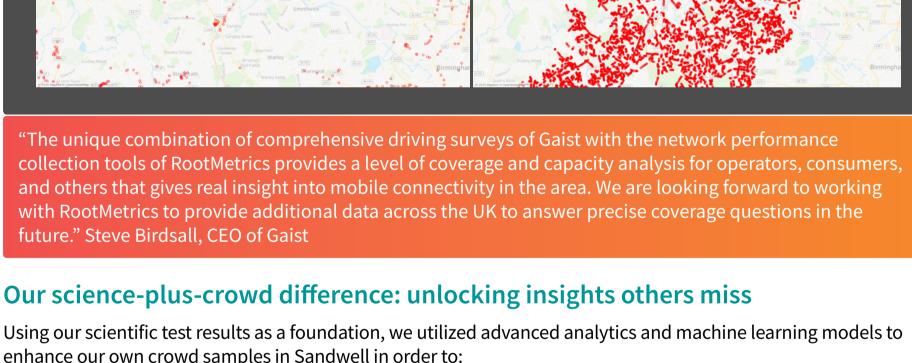
270 miles: how far we drove to test

5G performance in Sandwell.

What we found

Our testing reached a level of test sample density that no other testing firm has ever achieved,

Measuring 5G availability and speed with unprecedented test sample density



< -105 -105 – -95 **-95** – **-85** -85 - -75 > -75 Our crowd results in Sandwell, when informed and enriched by our scientific results, allow us to offer a science-plus-crowd picture of performance that's more reliable and actionable than results from crowd testing alone. **The bottom line**: Businesses and organizations in Sandwell now have the information they need to help bring 5G and connectivity in general to all 328,000 residents of the borough and make better decisions for the implementation of: New cellular towers Smart traffic sensors Smart parking meters Automated recycling/trash collection solutions

Ready to learn more about our industry-best

science-plus-crowd approach? RootMetrics crowd data at a glance:

100M+ devices

Aggregated data from

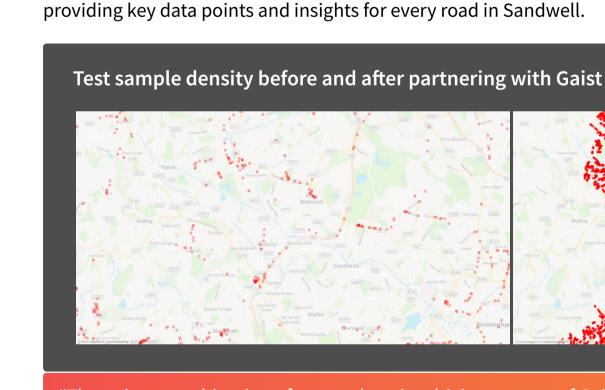
Smart traffic cameras

Science-plus-crowd: Providing data and insights on a micro-level to help organizations save money, better allocate resources, and realize the goals of a hyper-connected world

Read our <u>new report</u> to learn more about our new science-plus-crowd solution.

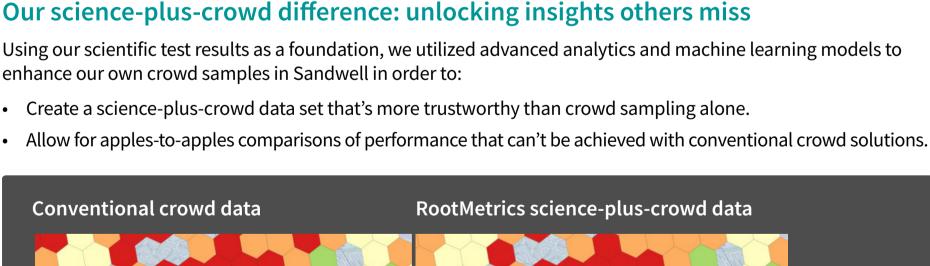


LTE RSRP









Collected from 600K+ active

users per month and growing

Countless other smart technologies

testing network performance can help your organization.