KOREC

Trimble TIP Tilt works well under tree canopy

Q: What is the standout feature of the Trimble R12i for your company?
A: "It always works"

Benchmark Surveys was the first company in the UK to invest in a Trimble R12i GNSS and the company's continuing commitment to the technology is based on Trimble's 40-year legacy of reliability and innovation.

It's been 40 years since Trimble launched its first GPS onto the market and since then we've seen over 30 different iterations culminating in the arrival of the R12i in 2022.

The most advanced survey grade GNSS available, the Trimble R12i, underlines Trimble's commitment to development with its unique combination of technologies delivering a 30% productivity improvement on standard GNSS.

The adoption of this receiver by Exeter based Benchmark Surveys, the first company to purchase one in the UK, has not only transformed the way the company's surveyors work but has also significantly enhanced the quality and quantity of data they provide to clients.

Transformative system "makes surveying pleasurable"

Benchmark Surveys' Survey Manager, James Richards, one of xyHt's esteemed 23 Young Geospatial Professionals to Watch in 2023, is appreciative of all the technologies offered by the Trimble R12i, but rightly points out that the single most important factor for productivity in the field is that that your GNSS always works!

He reports that everyone on the Benchmark team appreciates the R12i simply because it's always reliable, always works and there's never been a hardware issue- important benefits that work hand in hand with its performance:
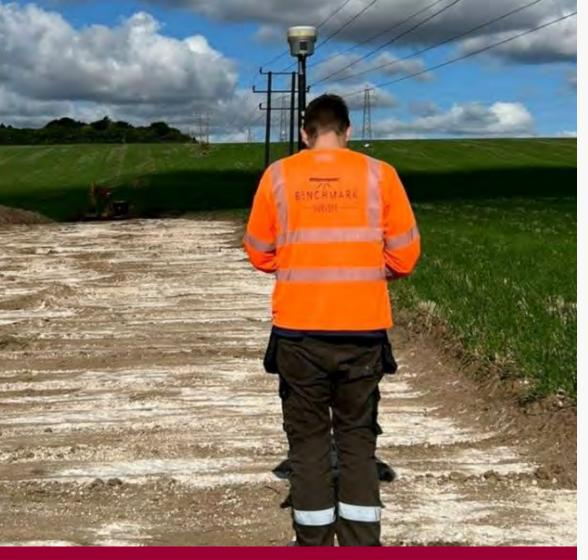
> "The R12i's capabilities shine, even in challenging surveying environments with difficult terrains such as banks, ditches, and areas with overhanging canopies – these are scenarios that surveyors come up against regularly and an area where the R12i decidedly ups productivity. Traditional equipment might falter in such conditions, but Trimble's TIP and ProPoint technologies ensure that Benchmark surveyors can effectively capture these challenging data points, leading to fewer client requests for additional information."

What was once a time-consuming task has become fast and easy and even "pleasurable",

Trimble R12i - three stand out technologies

• Trimble TIP Tilt Compensation Technology- offering calibration-free Inertial Measurement Unit based tilt compensation with immunity to magnetic interference.

• Trimble ProPoint GNSS Technology- bringing increased accuracy, reliability and productivity near tree canopy and a robust performance in urban environments.

• Trimble xFill- providing seamless, centimetre-level back-up corrections via satellite if RTK or VRS signal sources are interrupted due to signal disruptions or loss of radio connectivity.

"It always works"

40 years of development culminated in the arrival of the R12i in 2022

adding to the overall satisfaction of the Benchmark team who can effectively capture points in vegetation and under canopy where other GNSS would struggle.

In particular, James emphasises the strong business case for investing in the R12i GNSS over any other system. The decision to adopt Trimble's technology is not merely based on brand loyalty but on the functionality and reliability that the team relies on to deliver the highest quality data to clients.

Trimble's commitment to innovation, backed up by KOREC's support, training and T.R.U.S.T ethos aligns seamlessly with Benchmark's dedication to providing top-notch surveying services.

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>
> **James Richards, Survey Manager**