

SMART ANTENNA XY SCANNER

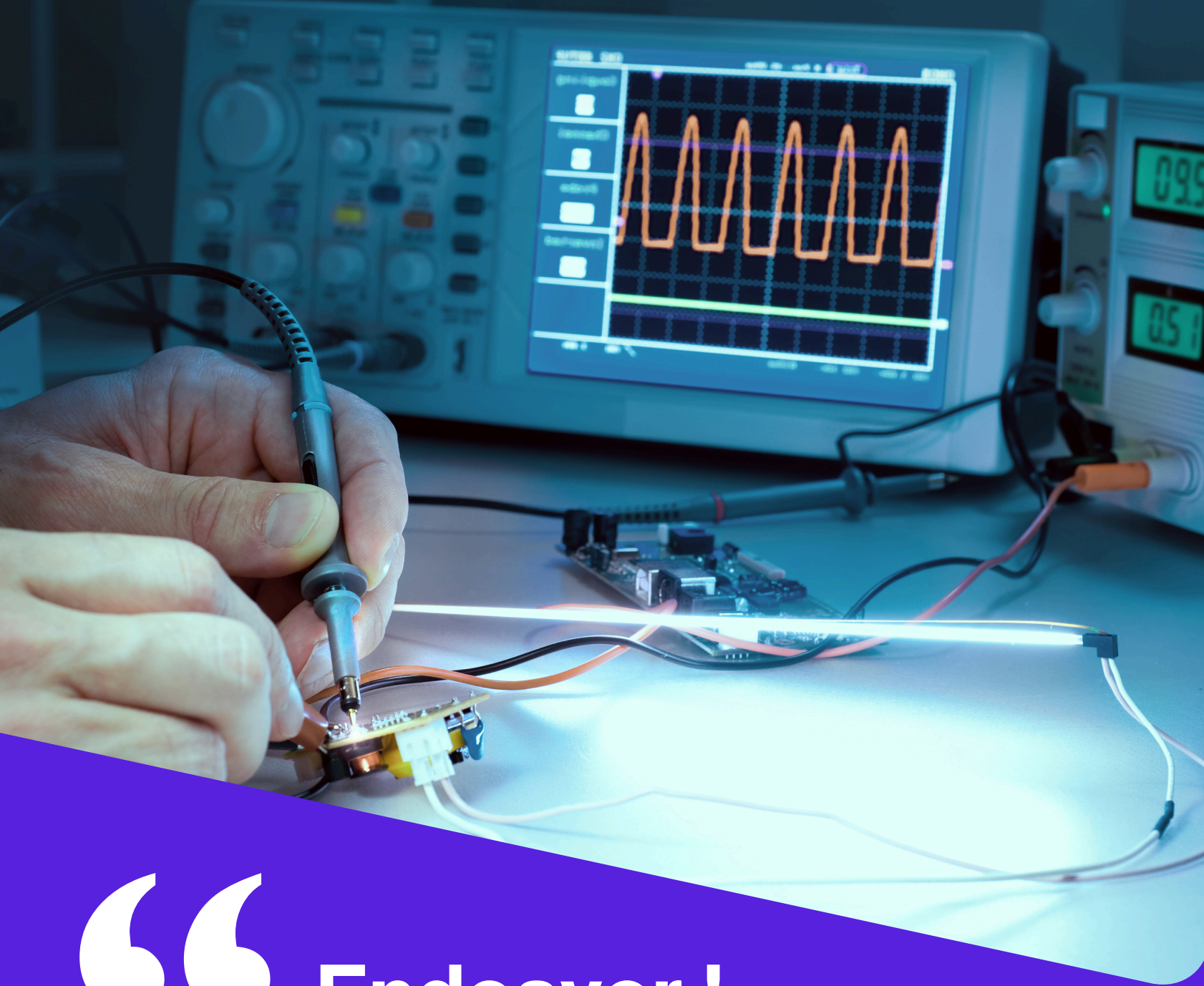
CASESTUDY





Patron Profile

A leading provider of wireless broadband solutions, sought to address the challenges faced by the telecommunications industry in efficiently testing signal strength and quality across various locations. Amidst the demand for reliable and robust signal transmission, manual testing proved to be time-consuming and prone to inaccuracies.

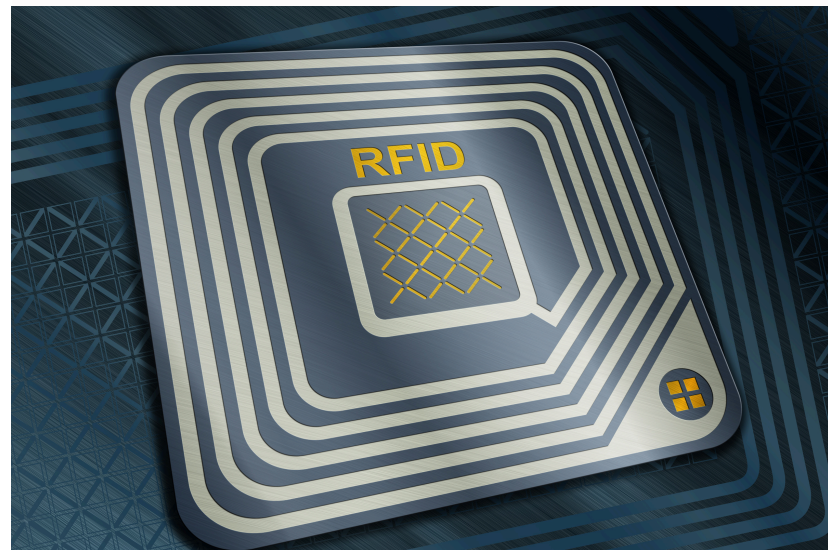


“ Endeavor !

Our objective is to highlight how our deployment of the smart antenna scanner system effectively tackled signal strength measurement hurdle encountered by the client within the telecommunications sector. This initiative resulted in heightened operational efficiency and elevated client satisfaction levels.



Obstacle confronted



RFID Challenges

The industry encountered hurdles in RFID technology and signal reception strength testing.



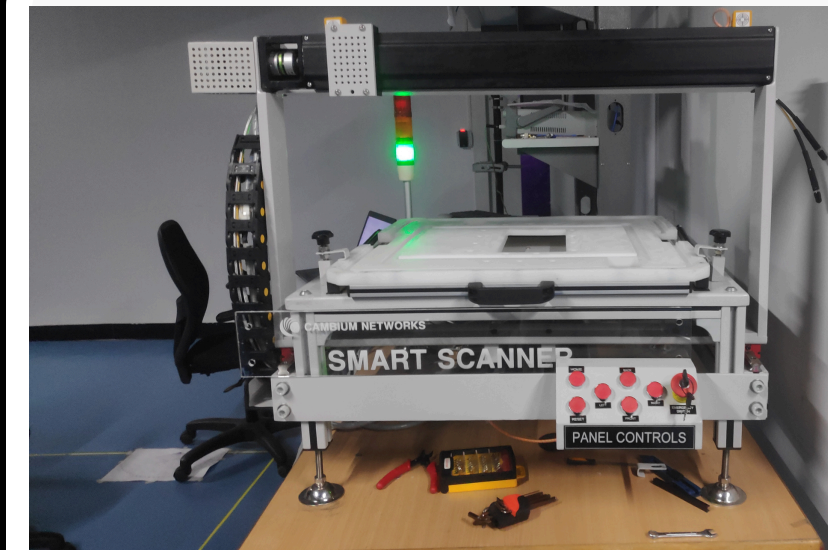
Manual Inefficiencies

Manual testing methods across various locations proved time-consuming and prone to inaccuracies.



Signal Accuracy

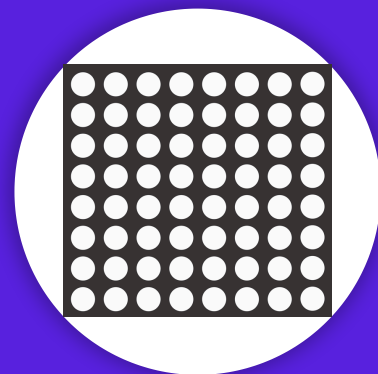
Inefficiencies in signal quality assessment arose due to these challenges.



Testing Solutions

Addressing these issues required a more efficient and accurate testing solution.

Enduring Strategy



Innovative Solution

Our team introduced the automated navigation System as a solution to overcome the challenges faced. This innovative system offers precise positioning capabilities, facilitating efficient signal testing across an 8x8 matrix.

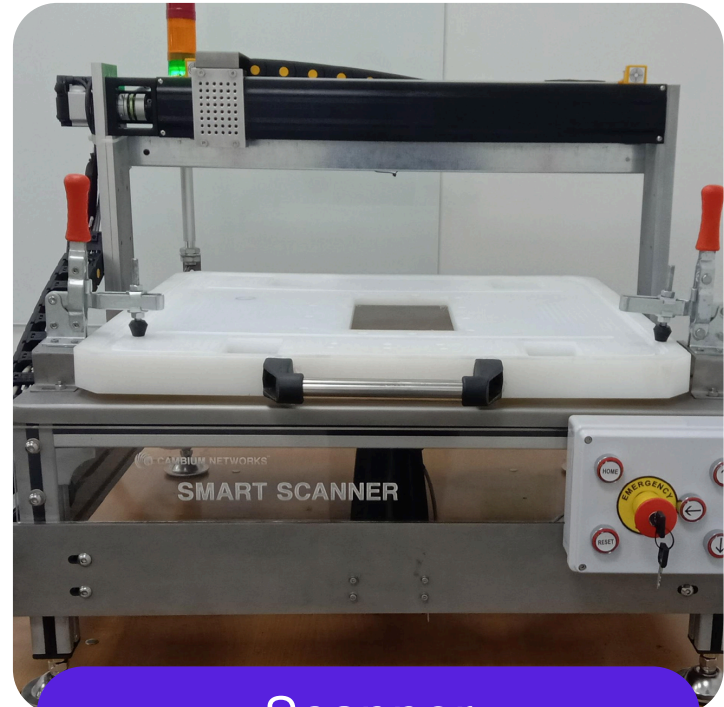


Precision Analysis

With an impressive accuracy of 0.5mm, automated coordinate System ensures reliable data capture at each position, enabling thorough analysis of signal strength and quality, thereby addressing the identified challenges effectively.



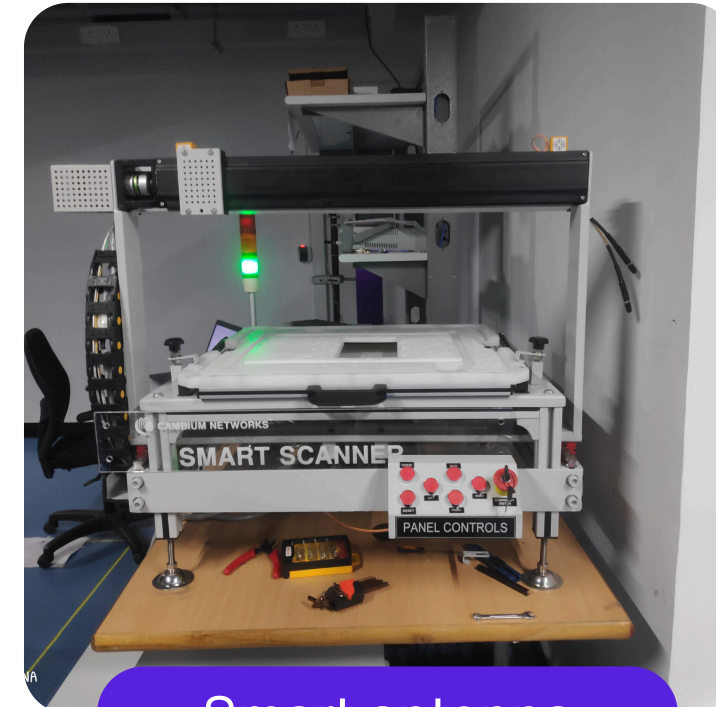
Device Overview & Benefits



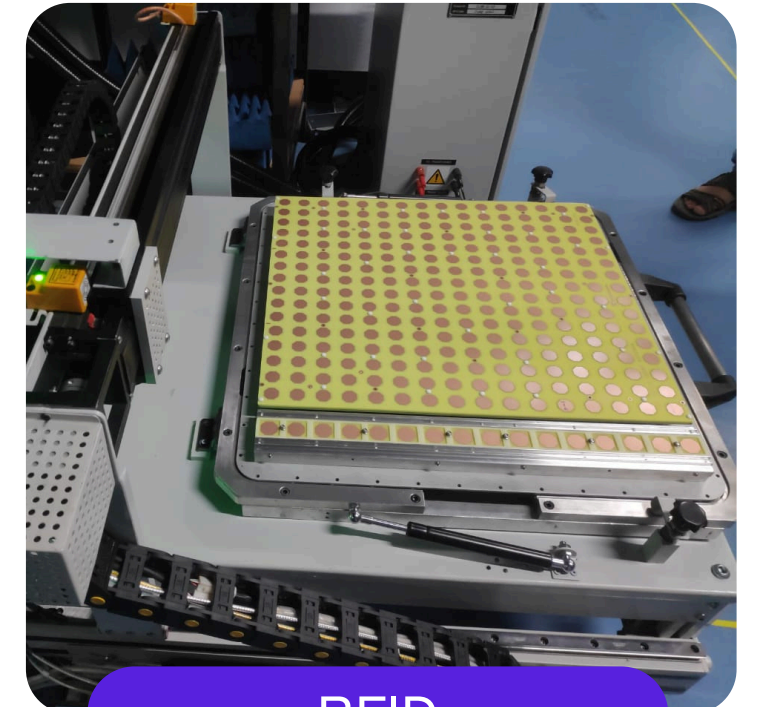
Scanner



Control Panel



Smart antenna



RFID

Enhanced Flexibility

Automated navigation system tests diverse smart antenna board sizes efficiently.

Stringent Quality Assurance

Impeccable performance maintains strict quality standards for reliability.

Successful Deployments

Proven effectiveness in Bangalore and Mexico ensures operational success.

Tangible Benefits

Integration benefits Cambium Networks and clients by optimizing testing.

Signal Insight

Data traces provide nuanced signal metrics for informed decision-making.

Conclusion

- Testers are crucial for evaluating signal quality in communication devices.
- Partnering with similar companies expands our solution range.
- This expansion enables comprehensive client support for superior signal transmission and reception
- Collaborating with industry peers is essential for advancing capabilities and addressing industry needs.

Get In Touch

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