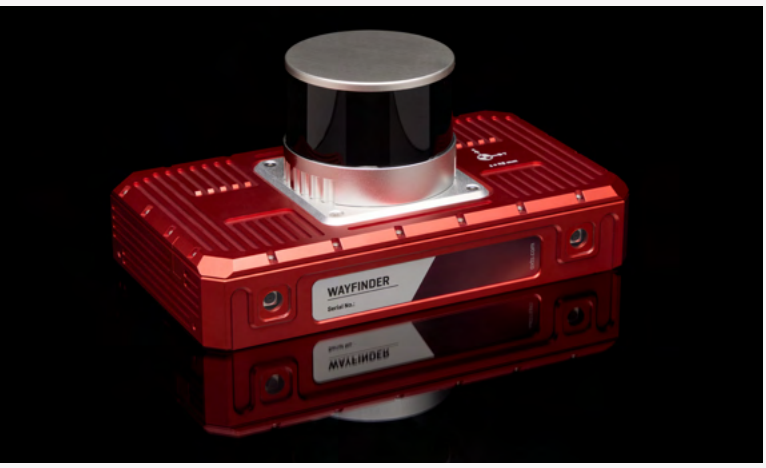
OXTS

WayFinder

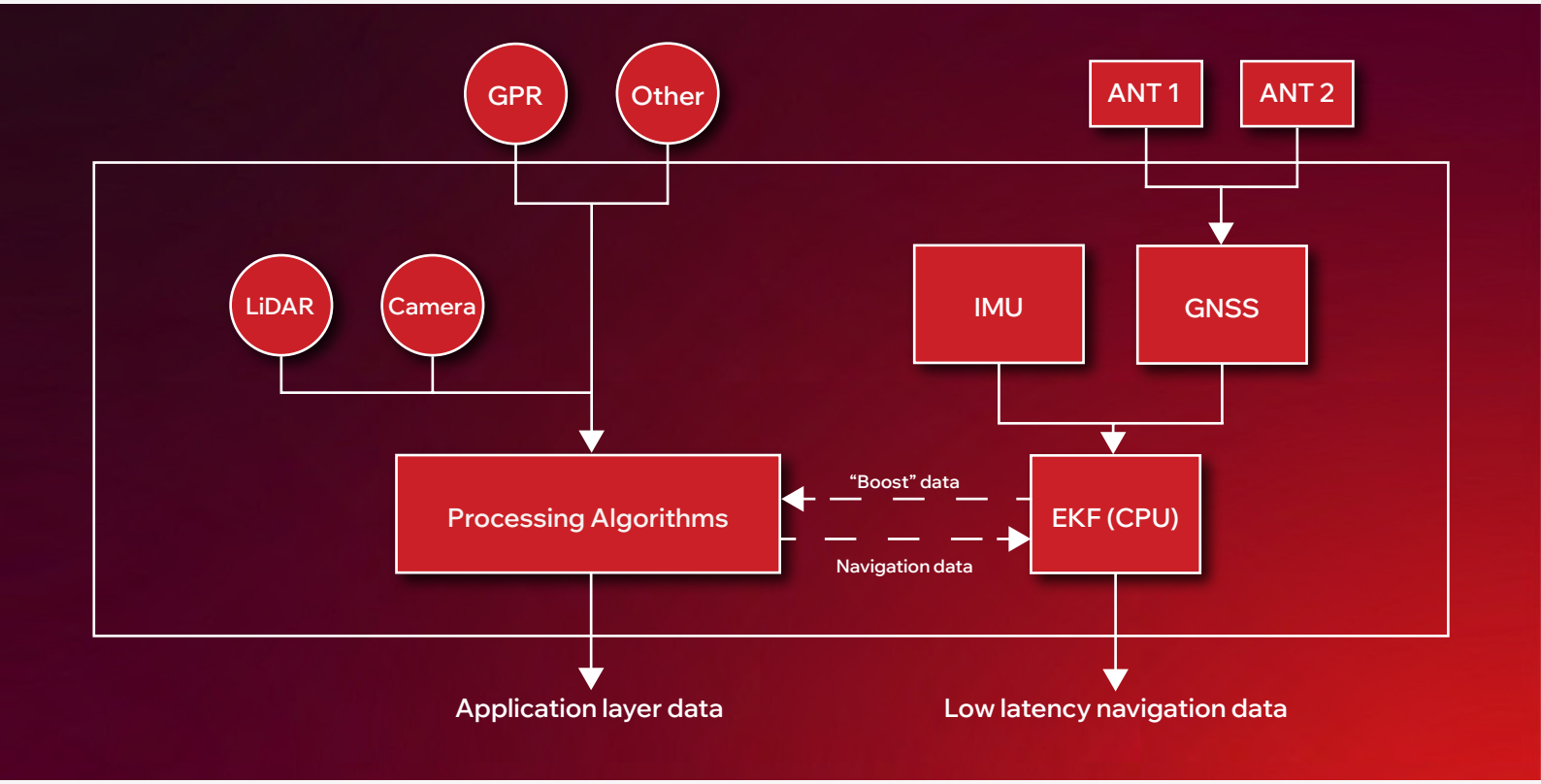
Locate and navigate, where others can't.

+ Built for challenging or absent GNSS Environments
+ Reliable, real-time data from native multi-sensor fusion
+ Pre-integrated LiDAR and cameras
+ Fast and easy setup
+ Simple & powerful interface



What is WayFinder?

WayFinder is a complete real-time sensor fusion platform that enables you to accurately navigate in any environment - even if GNSS signal is intermittent or completely blocked. Ready to deploy out of the box, and including LiDAR Boost software, WayFinder is the solution for anyone needing accurate localisation data in challenging GNSS conditions.



Why choose WayFinder?

+ Navigate Anywhere

WayFinder ensures confidence in your data, even in the most challenging GNSS environments. Our LiDAR Boost technology seamlessly integrates data from any 32-laser, 360° LiDAR with our powerful Nexus core, delivering accurate, real-time localisation in any environment.

+ Fast and easy setup

WayFinder is a complete solution, requiring no additional hardware to run. Simply mount it to your vehicle or platform, configure, initialise, and begin navigating. OXTS has built integrator tools that enable you to connect Wayfinder to your robotic control stack, surveying payload, or data logging systems with ease.

+ LiDAR pre-integrated

LiDAR Boost is a unique OXTS feature that uses data from WayFinder's integrated LiDAR sensor to constrain position drift stabilising position accuracy in environments where GNSS signal is patchy or nonexistent.

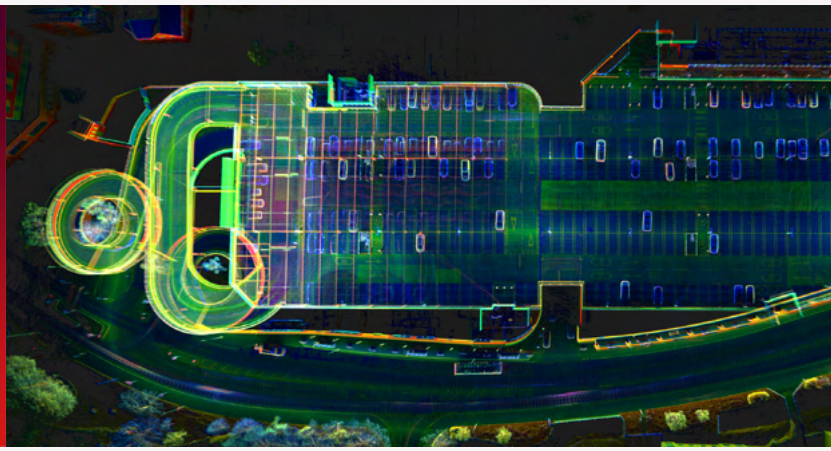
Where can WayFinder take you?

Deep into autonomy

WayFinder enables an autonomous platform to navigate accurately in environments where GNSS signal is poor or nonexistent, and move between environments without interruption.

Seamless surveying

Surveyors working underground or in other areas where GNSS signal is poor can use WayFinder to improve the quality of their survey data for more accurate georeferencing.

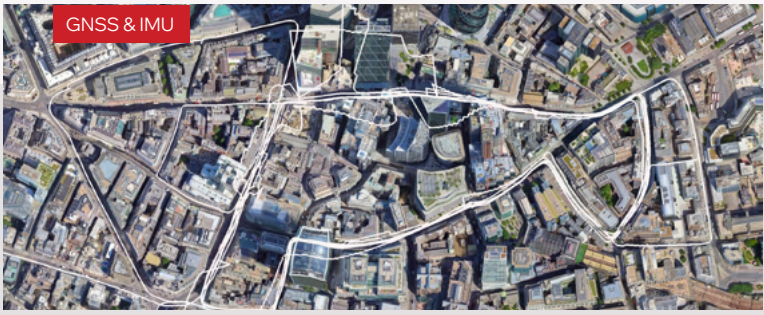


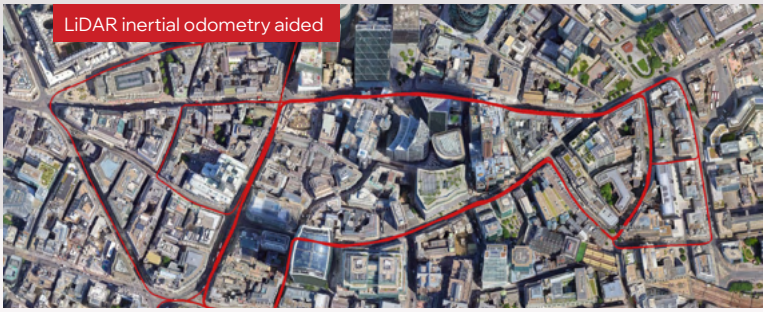
Off the beaten track

WayFinder delivers highly accurate ground truthing beyond the proving ground, enabling automotive testers to conduct open-road or indoor testing with confidence - without the need for any external infrastructure.

Proven performance in challenging GNSS environments

WayFinder has been tried and tested across various challenging environments, including in dense urban canyons and indoor spaces. The LiDAR Boost technology extends the high performing nexus core of our products.





+ London Sky Garden Quarter

The London Sky Garden Quarter is a notoriously difficult environment in which to obtain accurate localisation data. Using LiDAR odometry updates there is a vast improvement in both data accuracy and repeatability.

+ Oxford

Oxford is a typical city in the UK. Tall buildings and tree cover make obtaining consistent GNSS position updates difficult. Where this occurs, using odometry updates from WayFinder's integrated LiDAR sensor can significantly improve overall position accuracy. This is demonstrated through the clarity of the pointclouds created from the data.

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